

**MINUTES OF THE 197<sup>TH</sup> MEETING OF THE  
UNIVERSITY GRANTS COMMISSION  
HELD ON 17<sup>TH</sup> OCTOBER, 1977.**

**UGC**

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Minutes of the 197th meeting of the  
University Grants Commission held on 17th  
October, 1977.

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The following were present:

Professor. Satish Chandra . . .	- Chairman
Professor B.Ramachandra Rao . . .	- Vice-Chairman . . .
Shri G.Ramachandran	- Member
Professor R.P.Bambah	- Member
Professor S.S.Saluja	- Member
Professor (Miss) A.J.Dastur	- Member
Professor S.Gopal	- Member
Professor S.Maqbool Ahmad	- Member
Professor B.M.Udgaonkar	- Member
Shri R.K.Chhabra	- Secretary

Shri P.Sabanayagam, Dr.Amrik Singh Cheema and Dr.Chandran

.S.Devanesan had expressed their inability to attend the meeting.

SECRETARIAT

Additional Secretary

Dr.D.Shankar Narayan

Joint Secretary

Dr.J.N.Kaul

Deputy Secretaries

Shri V.C.Menon  
Dr.S.C.Goel  
Dr. S.P.Gupta  
Shri Y.D.Sharma  
Shri A.B.Gupta  
Shri M.P.Balakrishnan  
Shri L.R.Mal

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Item No.1: To receive minutes of the meeting of the Commission held on September 26, 1977.

The minutes of the meeting of the Commission held on September 26, 1977 were confirmed.

Arising out of Item No.47, the Chairman mentioned that the Andhra University had since indicated that they would like to start postgraduate course in Rural Economics at the Nuzvid Centre and not in Commerce as proposed earlier. The Commission agreed that assistance may be provided to the Andhra University on the same basis as earlier agreed to in case of departments to be started at Srikakulam.

Item No.2: a) To approve the action taken on certain matters.  
b) To receive the items of information.  
c) To approve the statement of proposals which could not be accepted by the Commission

(a) The Commission approved the action taken on items listed in Appendix I.\*

(b) This was noted.

(c) This was noted.

Item No.3: To approve the statement of grants released after the meeting of the Commission held on 26th September, 1977.

The Commission approved the grants released after the

last meeting of the Commission held on September 26, 1977 (Appendix-II\*).

Item No.4: To receive the statement of expenditure incurred by the University Grants Commission during 1977 - upto 30th September, 1977.

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The Commission noted that most of the universities had taken up active implementation of the proposals accepted during the Fifth Plan period and, the rate of expenditure had also gone up in recent months. It was, however, noted that in the case of schemes relating to Engineering and Technology where the Visiting Committees had recently completed their work and their reports had been accepted by the Commission, the expenditure during the current year was low. It was, therefore, agreed that pending receipt of proposals indicating schemes finally selected by the universities within the allocation indicated to them, grants may be released to the universities for purchase of books and journals and equipment on the basis of Visiting Committee's recommendations.

The Commission felt that necessary steps should be taken to modernise the management techniques in the universities and also the UGC and for this purpose develop essential infrastructure of information data base and descriptive information system. The Commission desired that this may be further examined.

Item No.5: To receive a statement indicating the progress of issue of Utilisation Certificates during the period ending 30th September, 1977.

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This was noted.



The Commission felt concerned that a large number of outstanding utilisation certificates have yet to be issued and desired that this may be expedited. It was also agreed that a Committee may look into this and see how this could be expedited.

Item No.6: To consider the following postponed Items of the last meeting:

- (17) To consider a reference from the Ministry of Education and Social Welfare regarding the recommendations made by the Working Group-I appointed by the Ministry of Home Affairs; at its meeting held on 27th November, 1976 on National Integration..

The Commission while generally agreeing with the recommendation made by the Working Group I appointed by the Ministry of Home Affairs regarding National Integration desired that this may be further discussed with the Ministries of Education and Home Affairs.

In this connection, the Commission noted the decision conveyed to the Universities in September, 1975, regarding provision in the service regulations of teachers, suggesting to them to take necessary steps to treat communal activities of various kinds as improper conduct on the part of university and college teachers.

- (21) To consider a reference received from the Vice-Chancellor, North Eastern Hill University, regarding a resolution of the Postgraduate Studies Council, North Eastern Hill University to increase the percentage of reserved seats in Postgraduate Classes for Scheduled Castes and Scheduled Tribes and other Backward Classes.

It was decided that this may be discussed with the Vice-Chancellor.

- (22) To consider the proposal of North Eastern Hill University for setting up of College Development Council.
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The Commission agreed 'in principle' to assist the North Eastern Hill University to set up a College Development Council which, it was noted, was in line with the guidelines proposed by the Commission. It was desired that details of UGC support may be worked out and similar assistance may be provided to other universities also for setting up such Councils.

- (26) To consider further the proposal of Kalyani University for change in the field of Specialisation of the post of Professor in Zoology approved during V plan period.
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The Commission agreed to the change of specialisation for the post of Professor in Zoology from Entomology to Cell Biology/Entomology.

- (27) To consider a proposal from Kalyani University for sanction of one post of Lecturer each in Russian and Chinese.
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The Commission agreed to provide assistance to Kalyani University for the creation of one post of Lecturer each in Russian and Chinese for starting diploma/certificate courses in these languages.

The Commission could not, however, accept the proposal of the University to initiate a programme of Areas Studies with the availability of these posts.

- (29) To consider the proposal of the Calicut University for the provision of an additional amount of Rs.1,51,890/- in respect of the IV Plan Staff Quarters outside the V Plan allocation.

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The Commission agreed to provide an additional grant of Rs.1,51,890/- to the Calicut University towards the construction cost of the staff quarters agreed to during the Fourth Five Year Plan within the Fifth Plan allocation available to the University.

- (30) To consider for acceptance proposals included under the IIrd and IIIrd priorities by the Vth Plan Visiting Committee which assessed the development needs of the Karnatak University.

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The Commission agreed that the proposals of the Karnatak University and of the Postgraduate Centre, Gulbarga may be examined in the light of the decision regarding acceptance of proposals of the Universities in the second and third priorities (within the visiting committees recommendations). Any new proposals falling outside the Plan or the visiting committee's recommendations may be brought up before the Commission. Assistance, however, would not be available for the construction of an auditorium as proposed by the University.

- (31) To consider the proposal of Bhopal University for additional grants for purchase of books and journals, equipment and construction of buildings.

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The Commission agreed that the proposal of the Bhopal

general

University may be examined in the light of earlier decision regarding acceptance of proposals in the second and third priorities (within the visiting committee's recommendations). Any new proposals falling outside the plan or the visiting committee's recommendations may be brought up before the Commission.

- (32) To consider the proposal of Kashi Vidyapith, Varanasi for creation of a Professor's post in the Department of Hindi.

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Consideration of this was deferred.

- (33) To consider the proposal of the Aligarh Muslim University for change of designation of the Staff working in the Computer Centre, and for upgrading the post of Associate Lecturer-cum-Programmer to that of a Lecturer.

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The Commission desired that the Aligarh Muslim University may be requested to fit the existing staff in accordance with the staffing pattern and pay scales suggested for the computer centres earlier by the University Grants Commission.

The Commission could not agree to the upgrading of the post of an Associate Lecturer-cum-Programmer to that of a Lecturer.

- (34) To consider further the proposal of Aligarh Muslim University for expansion of Computer facilities.

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The Commission agreed to provide necessary grant to the Aligarh Muslim University to purchase a new Computer in accordance with the system already recommended by the Electronics Commission in April, 1977.

- (35) To consider the proposal of the Rajasthan University for Financial Assistance towards introduction of Postgraduate Courses through Correspondence.

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The Commission agreed to provide assistance as detailed

below to the University of Rajasthan for the introduction of correspondence courses at the postgraduate level in each of two subjects, namely Political Science and History on the usual terms and conditions:

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|------|---|-------------|
| i)   | Post of one Reader and two Lecturers.                 |             |
| ii)  | Preparation of reading material and guidelines etc.   | Rs.15,000/- |
| iii) | Two contact programmes and one orientation programme. | Rs. 5,000/- |
| iv)  | Visiting lecturers and provision for taped lectures.  | Rs. 5,000/- |
| v)   | Evaluation of reading material and student responses. | Rs. 5,000/- |
| vi)  | Books and Journals                                    | Rs.10,000/- |

It was further suggested that the comments of the Panel on History regarding syllabus of M.A.History may be brought to the notice of the University for their guidance.

- (36) To consider a proposal from Indian School of Mines, Dhanbad, for starting (i) B.Tech.(Mining Machinery) Degree Programme and (ii) M.Tech.(Mining) Industry Oriented Programme.

The Commission desired that the Indian School of Mines, Dhanbad, be informed that new course, even if it does not involve any financial implication, is started after due academic preparation and since introduction of such a course may need additional provision of funds, even at a later stage, it would be desirable if the

concurrence of the Commission is obtained before starting such courses. It was further suggested that the Indian School of Mines may be informed that institution of all such courses should be considered after determining the likely manpower requirement in particular fields.

- (37) To consider the proposal from Jodhpur University for reappropriation of funds during Vth Plan.

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The Commission agreed that the proposal of the Jodhpur University may be examined in the light of earlier decision regarding acceptance of proposals in the second and third priorities (within the visiting committee's recommendations). Any new proposals falling outside the Plan or the visiting committee's recommendations may be brought up before the Commission.

- (38) To consider a proposal from S.N.D.T. Women's University, Bombay, for additional allocation during Vth Plan.

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The Commission agreed to provide assistance to S.N.D.T. Women's University for purchase of books and equipment as asked for by the University. The University be advised to indicate its urgent needs for staff, particularly, in relation to the restructuring of the courses, which could be considered.

- (39) To consider the proposal for the additional non-recurring grants required by the Department of Botany, Calcutta University, under the programme of Special Assistance to selected departments.

The Commission agreed to provide to the Department of Botany, Calcutta University, an additional grant of Rs.2.5 lakhs for equipment and Rs.60,000/- for books and journals to meet the immediate needs upto 31st March, 1979.

- (40) To consider a reference from the Manipur Government regarding financial assistance to the Postgraduate centre of Jawaharlal Nehru University, at Imphal.
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The Commission noted the understanding given by the State Government of Manipur in establishing a University without prior consultation with and agreement of the UGC. In view of this and taking into account the needs of higher education in tribal areas, the Commission agreed to provide assistance for the Postgraduate Centre at Imphal on 100% basis in respect of approved items.

- (41) To consider a proposal from the Magadh University for the creation of a post of professor in the Department of Ancient Indian History and Asian Studies.
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The Commission agreed to the creation of a post of Professor in the Department of Ancient Indian History and Asian Studies within the Fifth Plan allocation on the usual basis.

- (43) To consider the report of the Visiting Committee for Government College, Shivpuri (MP) for the development of postgraduate education during the Vth Plan period.
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The Commission desired that in the light of observations and recommendations made by the Visiting Committee, necessary assistance

may be provided to the Government College, Shivpuri (MP) for development of its postgraduate studies keeping in view the norms prescribed for the purpose and to bring the departments in conformity with these norms. The college may be advised to provide additional library space, that may be agreed to, in a consolidated manner rather than for each individual department.

- (46) To consider the recommendations of the Standing Committee for the College Science Improvement Programme (COSIP) made at its meeting held on 8-9th September, 1977.

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The Commission accepted in principle the recommendations of the Standing Committee for the College Science Improvement Programme and desired that action may be initiated for implementing the various suggestions made by the Committee.

The Commission agreed to the publication of subjectwise Newsletters as suggested by the committee and desired that this may be taken up on an experimental basis for a period of three years in the first instance.

The Commission may also provide necessary assistance to the colleges and U.L.P.Centres for purposes of acquiring materials developed under the COSIP for their use as well as for purposes of setting up functional demonstration museums/Centres.

The Commission agreed with the suggestion that the Colleges which have successfully implemented the COSIP programmes may be enabled to continue their association with the programme and to take up specialised activities and assistance on 100%



basis may be given for such purposes.

The Commission in particular desired that the question of taking into account tutorials, seminar discussions and other forms of teaching for purposes of calculating the teaching load may be referred to the committee being appointed on the recommendation of the joint meeting of the Association of Indian Universities and the UGC.

The Commission felt that the question whether honorarium and or additional staff should be included in the budget approved for implementation of the COSIP/ULP Programmes may be examined further by a committee.

Item No.7: To consider the report of the expert Committee appointed to examine the proposal of Mysore University for financial assistance towards the publication of the Dictionary of the Alankara Sastra.

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The Commission agreed in principle to provide to the Mysore University an assistance of Rs.1,20,000 for the publication of the Dictionary of Alankara Sastra, subject to the condition that the present material is revised and retyped in the light of the suggestions made by the committee and that the re-typed material before being sent to the Press is scrutinised by the committee.

Item No.8: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Political Science Department of Panjab University for participation in the University Leadership Programme

The Commission accepted in principle to invite the Political Science Department of Panjab University for participation in the University Leadership Programme of COHSIP. The Department may take up for implementation of those activities which are possible within the framework of the existing staff and assistance may be provided for other items provided as recommended by the Committee (Appendix-III). The question of additional staff and/or honorarium will be decided after the report of the Committee appointed under Item No.6(46) is considered by the Commission.

Item No.9: To consider further the report of the visiting committee which examined the proposal of the Department of Economics Panjabi University, Patiala for participation in the Programme of Centres of Advanced Study/Department of Special Assistance in the Humanities and Social Sciences.

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The Commission agreed to invite the Department of Economics, Panjabi University, Patiala, for participation in the Programme of Departments of Special Assistance in Humanities and Social Sciences and agreed to provide assistance as indicated in Appendix IV.

Item No.10: To consider the report of the Visiting Committee which examined the proposal of the Department of Philosophy, Rajasthan University, Jaipur for participation in the Programme of the Centres of Advanced Study/Department of Special Assistance in the Humanities and Social Sciences.

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The Commission agreed to invite the Department of Philosophy, Rajasthan University for participation in the Programme of Departments

of special assistance in the Humanities and Social Sciences and agreed to provide assistance as indicated in Appendix-V.

Item No.11: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of Delhi University for participation in the University Leadership Programme.

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The Commission desired that this may be discussed with the Vice-Chancellor, Delhi University, in the first instance.

Item No.12: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of the Madras University for participation in the University Leadership Programme.

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The Commission regretted its inability to invite the Commerce Department of Madras University for participation in the University Leadership Programme at this stage.

Item No.13: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of the Rajasthan University for participation in the University Leadership Programme.

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The Commission desired that the question of inviting the Commerce Department of the University of Rajasthan may be considered when a revised proposal formulated in consultation with the colleges is received from the University.

Item No.14: To consider the recommendations of the Vth Plan Visiting Committee for Engineering & Technology, University of Jodhpur.

The Commission generally accepted the recommendations of the Visiting Committee for development of Engineering and Technology and agreed to provide assistance to the University of Jodhpur as indicated in Appendix-VI.

The Commission however desired that it may be left to the University to decide whether to have a separate Department of Electronics or provide facilities for the same in the Electrical Engineering Department.

The Commission further desired that the change in the contact-hours suggested by the Committee may be linked with the implementation of the semester system. The question of institution of additional scholarships may also be examined.

Item No.15: To consider the report of the Visiting Committee appointed to assess the development proposals of A.C.College of Technology and School of Architecture and Planning, Madras University during the fifth Five year plan.

The Commission accepted the recommendations of the Visiting Committee for the development of A.C.College of Technology and School of Architecture and Planning, Madras University and agreed to provide assistance as given in Appendix-VII. In this connection the Commission desired that assistance towards additional staff now recommended may be provided on receiving an assurance from

the University that existing vacancies have been filled up.

Item No.16: To consider the report of the Visiting Committee appointed to assess the development proposals of the Sambalpur University College of Engineering, Burla during the Fifth Five Year Plan.

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The Commission generally accepted the recommendations of the Visiting Committee regarding development of the University College of Engineering, Burla, and agreed to provide assistance as given in Appendix VIII. The Commission could not, however, agree to the starting of a postgraduate course in machine designs.

The Commission further desired that the University may be further requested to inform the Commission of the action taken with regard to other recommendations made by the Visiting Committee.

Item No.17: To consider the recommendations of the Committee appointed to review the working of Diploma Course in Television Engineering at Roorkee University.

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The Commission was of the view that it will be desirable that the University only provides one-year diploma course in television engineering and not a two-year postgraduate degree course.

Item No.18: To consider the report of the Visiting Committee appointed to assess the development proposals of the Visvesvaraya College of Engineering, Bangalore, Bangalore University during the Fifth Five Year Plan.

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The Commission generally accepted the recommendations of the Committee for the development of Visvesvaraya College of Engineering, Bangalore University, and agreed to provide

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assistance as given in Appendix IX.

Item No.19: To consider the report of the Visiting Committee appointed to examine the proposals of the Colleges located in the city of Madras for the development of the Postgraduate studies during the Fifth Plan.

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The Commission agreed to provide assistance to the 12 colleges whose proposals were examined by the Committee appointed for the purpose as given in Appendix-X. It was noted that the recommendations made by the Committee were in accordance with the norms prescribed by the Commission for the purpose.

Item No.20: To consider the proposal of the Visiting Committee appointed to examine the supplementary proposals of the Madras University for instituting an M.A. Course in Defence Studies and in Criminology.

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The Commission accepted the recommendations of the Committee for instituting an M.A. course in defence studies and agreed to provide the following assistance.

1. Books and Journals	Rs. 60,000
2. Equipment	Rs. 20,000
3. Building	Rs. 20,000
Total:	Rs. 1,00,000

Teaching Staff:

Professor	1	
Reader	1	
Lecturers	2	contd....18

With regard to M.A. course in Criminology, assistance recommended by the Committee may be made available only after the course structure is re-organised in consultation with the user agencies regarding the employment opportunities and the State Government transfers the Diploma Course in Criminology at present being run by the Madras Medical College to the University.

Item No.21: To consider the report of the Committee appointed by the University Grants Commission to review the working of the Examination Reform Unit at the Mysore University.

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The Commission agreed to continue assistance to the Examination Reform Unit at the Mysore University within the existing allocation of Rs.5 lakhs for the period ending 1978-79 towards facilities already approved for the purpose. The university may be asked to orient its examination reforms programme in the light of the recommendations of the Committee.

Item No.22: To consider the proposal of North Eastern Hill University for starting Hindi Programme in the School of Languages.

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It was pointed out that the N.E.H.U. had since sent additional proposals for establishment of Departments for providing facilities for North Eastern languages and literature, Sanskrit, Latin, French, German and Russian.

The Commission desired that the University may be advised to frame a comprehensive proposal for the starting of new courses of

Modern Indian Languages and Foreign Languages along with their financial implications and the matter brought up before the Commission again.

Item No.23: To consider the areas of specialisation for the post of Professor and Reader in the Department of Economics, Jadavpur University.

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The Commission could not agree to the proposal of Jadavpur University for changing the area of specialisation for the post of Professor and Reader in the Department of Economics.

Item No.24: To consider the proposal from Vice-Chancellor, Gujarat University regarding revision of Students Teacher ratio for the increased slab of financial assistance for Commerce Colleges.

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The Commission could not agree to revise the student-teacher ratio as suggested by the Gujarat University.

Item No.25: To consider a proposal from the Gujarat University for providing additional facilities in the Gymnasium of the University.

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The Commission accepted the proposal of the Gujarat University to provide wooden flooring and adequate lighting in the gymnasium of the University at an estimated cost of Rs.1,50,000 and provide assistance on 50:50 sharing basis as part of the students amenities programme.



Item No.26: To consider a proposal of Tata Institute of Social Sciences Bombay for continuing the post of Assistant Lecturers.

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The Commission desired that the Tata Institute of Social Sciences be informed that as and when a post of an Assistant Lecturer falls vacant, it may consider the desirability of converting the same to that of a Lecturer. However, where according to its requirements, it is not necessary to convert the post of an Assistant Lecturer to a Lecturer, it may appoint an Instructor on a consolidated salary of Rs.700 per month for a period of three years, which could be extended for a further period of two year. No further extension would however be permitted.

Item No.27: To consider the proposal of the Delhi University for enhancement of Recurring grants for the maintenance of Science laboratories in the Colleges for Under-graduate, Pass and Hons. courses.

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It was agreed that this may be referred to a Committee.

Item No.28: To consider the proposal of the Patna University for the change of specialisation of the post of Professor approved for the Department of Psychology during the Fifth Plan period.

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The Commission could not agree to the proposal of Patna University to change the specialisation of the post of Professor in the Department of Psychology.

Item No.29: To consider additional proposals for Staff from Kalyani University for University Grants Commission's assistance in the light of implementation of the Scheme approved during Vth Plan period.

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The Commission agreed that the Kalyani University may be allowed to make appointments in respect of posts included in 2nd and 3rd priorities of the Visiting Committee's recommendations. The Commission further agreed to provide for a post of one Professor in Bengali and post of one Reader each in the Departments of Political Science, History and Commerce within the total allocation available to the University.

Item No.30: To consider the proposal of the Utkal University (Department of Psychology) for collaboration with Birmingham University, U.K., in the field of Education Psychology under the Indo-British University Collaboration Programme.

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The Commission accepted the programme of academic collaboration proposed by the Department of Psychology, Utkal University and Birmingham University, U.K. The Commission noted that the programme would be conducted for a total period of five years, and its progress reviewed after a period of three years. The Commission's assistance under this programme would be primarily for exchange of personnel on either side as per terms of the agreement.

Item No.31: To consider the University Grants Commission's assistance for development of Postgraduate Department in Kerala in the context of the Report of Joint Survey Committee.

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The Commission agreed that the Departments as indicated in Appendix-XI which conform generally to the norms laid down for the purpose, may be provided assistance for development of postgraduate studies in accordance with the recommendations made by the Committee. The Commission further agreed that the Colleges may also be assisted to take up faculty improvement programme within the total allocation available to each Department and as recommended by the Committee.

The Commission was of the view that generally not more than 20 per cent of the total number of teachers in a college may be nominated at any given time for taking up teacher fellowships under the Faculty Improvement Programme.

Item No.32: To consider the proposal of Lunglei College, Lunglei (North Eastern Hill University) for financial assistance as special case.

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The Commission accepted the proposal of Lunglei College, Lunglei (N.E.H.U.) for assistance to construct reading room and agreed to provide assistance for development programmes in relaxation of the usual norms of eligibility.

Item No.33: To consider the proposal from the Audit regarding investment of surplus funds of the Commission under short term deposits.

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It was agreed that the Central Government be requested to accord approval to the investment of surplus funds by the Commission as may be decided from time to time in short-term deposits with the State Bank of India.

contd...23

Item No.34: To consider certain establishment matters of the University Grants Commission.

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It was agreed that this will be brought up at the next meeting of the Commission.

Item No.35: To note the date and place for the next meeting of the Commission.

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It was noted that the next meeting of the Commission will be held on 7th and 8th November, 1977, in New Delhi.

Item No.36: To consider the proceedings of the meeting of the University Grants Commission Standing Committee on New Universities and University Centres held on 7th September, 1977. —

The Commission accepted the recommendations of the UGC Standing Committee on New Universities and University Centres as indicated below:

(a) Proposal from the University of Gujarat for the setting up of a Postgraduate Centre at Modasa may be accepted in principle. The details of the proposals may be got examined with the help of a Committee.

(b) The proposal of the Kerala University for establishment of Postgraduate Centres at Quilon and Chenganachery may not be accepted.

(c) A committee be appointed to examine the need of a postgraduate Centre at Nanded as proposed by the Marathawada University.

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In this connection, the Chairman mentioned that the Committee which had been appointed regarding the new University at Midnapore had discussed the matter with the State Government. The State Government have since indicated their support to the proposal of setting up a new university at Midnapore. It was agreed that the matter may be referred to the New Universities Committee in the first instance and then brought up before the Commission.

Item No.37: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of Kashmir University, Srinagar, for assistance towards the establishment of a Centre for Adult and Continuing Education.

The Commission agreed to provide assistance towards the following facilities for the establishment of a Centre of Continuing Education at the Kashmir University, Srinagar, on the usual terms and conditions and subject to the Commission's share being limited to 75% of the approved expenditure.

(a) Staff:

Director-cum-Coordinator ...	Honorary or one in the scale of Rs.1100-1600 if and when a suitably qualified person is available.
Programme Coordinator	One Rs.750-1350
Head Assistant-cum-Typist	One Rs.280-520
Junior Assistant	One Rs.200-320
Messenger	One Rs.170-230

- (b) Expenditure on programmes including honorarium to the resource persons (for a course and not per lecture) TA/DA, printing of literature books and journals, misc.expenditure e.g. publicity, stationary, postage etc. Rs.50,000 p.a.
- (c) Non-recurring
- Initial library grant, duplicator, typewriter, audio-visual aids etc. Rs.50,000

Item No.38: To consider the report of the Visiting Committee appointed by the University Grants Commission to examine the University Leadership Programme proposal of the Department of Sociology, S.N.D.T.Women's University, Bombay.

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The Commission accepted in principle to invite the Department of Sociology, S.N.D.T.Women's University, Bombay for participation in the University Leadership Programme of COHSIP. The Department may take up for implementation those activities which are possible within the framework of the existing staff and assistance may be provided for other items as recommended by the Committee (Appendix-XII). The question of additional staff and/or honorarium will be decided after the report of the Committee appointed under Item No.6(46) is considered by the Commission.

Item No.39: To consider the minutes of the meeting of the Committee appointed by the Commission on the Constitution of Schools in Universities.

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The Commission accepted the recommendations of the Committee regarding formation of Schools of Studies in related subjects

contd.....26

where considered necessary in the Universities. The guidelines are given in Appendix-XIII.

In this connection, the Commission agreed that such of the universities which set up such Schools and ear-mark out of their normal budget some funds to meet the requirements of organising inter-disciplinary courses, etc. could be suitably assisted by the Commission on the merits of each case.

R.K.Chhabra  
Secretary

Satish Chandra  
Chairman.

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Appendix-III to Item No. 8 dated 17.10.77

Support approved and recommended by the UGC for the Department of Political Science, Panjab University, Chandigarh for participation in the University Leadership Project.

Recurring for Three Years:

1. T.A. and D.A. to University teachers for visiting colleges.	Rs. 15,000/- p.a.
2. Support for translation programme (Stationary and other incidentals, remuneration, etc.)	Rs. 10,000/-p.a.
3. TA/DA to college teachers for visits to the University or the laboratory college.	Rs. 15,000/- p.a.
4. Refresher Courses, Seminars, Conferences, etc.	Rs. 20,000/- p.a.
5. Contingencies:	Rs. 5,000/-p.a.
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Total (R):	Rs. 65,000/- p.a.

Non-Recurring:

6. Books for the University Department.	Rs. 25,000/- (for 3 years)
7. Office and Laboratory equipment.	Rs. 25,000/-
8. Furniture.	Rs. 5,000/-
9. Text books and reading materials for colleges.	Rs. 15,000/-
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Total: (NR)	Rs. 70,000/-

Grand Total (R + NR) for 3 years: Rs. 2,65,000/-



Appendix IV to Item No. 9

Support recommended and approved by the UGC for the department of Economics, Punjabi University, Patiala.

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Recurring:

A. Academic Staff:

- i) One Professor
- ii) Two Readers
- iii) Three Lecturers
- iv) Two Research Associates.

B. Fellowships

- i) Junior Fellows-4 (at any one time)
- ii) Senior Fellows-2 (at any one time)
- iii) National Scholarships 4 (every year)
- iv) Teacher Fellows-2 (at any given time)
- v) Visiting Teachers Rs.25,000/- p.a.

C. Other Items

- i) Books and Journals Rs. 10,000/- p.a.
- ii) Publication Rs. 10,000/- p.a.
- iii) Research & Field work Rs. 10,000/- p.a.
- iv) Adm. and Technical Staff Rs. 15,000/- p.a.
- v) Contingencies Rs. 5,000/- p.a.
- vi) Seminars etc. Rs. 5,000/- p.a.

D. Non-recurring

- i) Books and Journals Rs. 1,00,000/-
- ii) Equipment Rs. 25,000/-
- iii) Furniture & Fixtures Rs. 10,000/-

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Appendix V to Item No. 10

Support recommended and approved by the UGC for the department of Philosophy, Rajasthan University, Jaipur

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Recurring

A. Academic Staff

- i) One Professor in Logic and Philosophy of Science.
- ii) One Professorship in Philosophy of Law to be created during 1979-80 after review of work to be made by the UGC.
- iii) Two Readers (one in Logic and another in Indian Philosophy)
- iv) One Lecturer in Philosophy of Science.
- v) One Sastry trained in Navya Nyaya or Vyakarana
- vi) Three Research Associates in each of the three main areas.

B. Fellowships

- i) Junior Fellows 4 (at any one time)
- ii) Senior Fellows 2 (at any given time)
- iii) National Scholarships 4 (every year)
- iv) Teacher fellows - 3 (at any given time)
- v) Visiting teachers Rs. 30,000/- p.a.

C. Other Items:

- |                                       |              |            |
|---------------------------------------|--------------|------------|
| i) Books and Journals                 | Rs. 10,000/- | per annum. |
| ii) Publications                      | Rs. 10,000/- | -do-       |
| iii) Seminars                         | Rs. 5,000/-  | -do-       |
| iv) Research and field work           | Rs. 5,000/-  | -do-       |
| v) Administrative and Technical Staff | Rs. 15,000/- | -do-       |
| vi) Contingencies                     | Rs. 5,000/-  | -do-       |

D. Non-Recurring

- |                               |                |
|-------------------------------|----------------|
| i) Books and Journals         | Rs. 1,00,000/- |
| ii) Additional building space | Rs. 2,50,000/- |
| iii) Equipment                | Rs. 25,000/-   |
| iv) Furniture and fixtures    | Rs. 10,000/-   |

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Jodhpur University Faculty of Engineering & Technology

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	<u>U.G.C. Share</u>
<u>Civil Engg.</u>	
Professor 1 (Enviromental Engg.)	
Reader 1 (Desert Technology)	
Equipment	2,00,000
Working expenses	10,000
	<u>2,10,000</u>
 <u>Structural Engg.</u>	
Reader 1 (concrete technology)	-
Equipment	2,00,000
	<u>2,00,000</u>
 <u>Mechanical Engg.</u>	
Professor 1 (Production Engg.)	
Reader 1 { -do- }	
Reader 1 (Machine Design )	
Equipment	3,00,000
Working expenses	10,000
	<u>3,10,000</u>
 Research Fellowship 2	
<u>Electrical Engg</u>	
Professor 1 (Electronics and Com. Engg)	
Readers 2 { -do- }	
Technicians 3 { -do- }	
Equipment	7,00,000
Working expenses	10,000
	<u>7,10,000</u>
 <u>Mining Engg.</u>	
Professor 1 (Metalls ferous)	
Reader 1 (Open cast)	
Reader 1 (Mining Machinery)	
Technicians 2	
Equipment	3,00,000
Working expenses	50,000
Books & Journals	10,000
	<u>3,50,000</u>
 <u>Computer Centre:</u>	
Equipment	1,00,000

Total assistance from the University Grants Comm including spillover and basic grant amounting to Rs. 9 lakh not exceed Rs. 30.00 lakhs upto the period ending 31.3.1979

Appendix VII to Item No.15

A.C. College of Technology and School of  
Architecture & Planning, Madras University.

....

Chemical Engg. Deptt. U.G.C. Share  
Rs.

Non-recurr-ing

Building	75,000
Equipment	15,00,000
Books and Journals	1,75,000

Recurring

Teaching Staff

One Professor 5 Readers

Technicians supporting staff

Technician Asstt.	One
Mechanic	One
Technician	Two

Six Research fellowships at any given time

Seminar & Symposia	30,000
--------------------	--------

Textile Technology Deptt.

Non-Recurring.

Building	75,000
Equipment	7,00,000
Books and Journals	75,000

Recurring

Teaching staff

Professor	Two
Lecturer	One
Senior Tech.Astt.	Two

Two Research fellowships at any given time

Seminars and conference etc.	10,000
------------------------------	--------

Department of Architecture & Town Planning

Non-recurring

Building	2,25,000
Equipment	3,00,000
Books and Journals	1,00,000
Diesel Bus (50% of Rs, 1.26 lakhs as UGC share).	63,000

Recurring

Professor	1
Reader	1
Photographer	1
Driver	1
Mechanic	1
Modeller	1
Visual aid	1

: 2 :

Department of Architecture & Town Planning (Contd).

Education and study tours.	5,000
Contingencies for the Undergraduate course in Architecture for materials	10,000
Conferences, Visits Seminars & symposia.	15,000
General (Hostel for Women Students)	1,50,000

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Appendix VIII to Item No. 16

Sambalpur University College of Engineering, Burla.

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<u>1. Department of Civil Engineering</u>	<u>U.G.C. Share.</u>
<u>Non-recurring</u>	Rs.
Building	25,000
Equipment	3,80,000
Library Books and Journals	85,000
<u>2. Department of Electrical Engineering</u>	
<u>Recurring</u>	
Professor One	
Reader Two	
<u>Non-recurring</u>	
Equipment	6,00,000
Lib. Books	1,20,000
Building	50,000
Seminar, Symposia etc.	15,000
<u>3. Department of Mechanical Engineering</u>	
<u>Non-recurring</u>	
Building	75,000
Equipment	5,50,000
Library books and journals	1,50,000
<u>4. Science Departments</u>	
<u>i) Physics department</u>	
Equipment	75,000
books	15,000
<u>ii) Chemistry Department</u>	
Equipment	75,000
Books	15,000
<u>iii) Maths department</u>	
Equipment	20,000
Books	15,000

Total assistance from University Grants Commission including spillover and basic grants amounting to Rs. 13,11,500. not to exceed Rs. 30 lakhs upto the period ending 31-3-1979.

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Appendix IX to Item No. 18

Bangalore University - Visvesvaraya college of  
Engineering, Bangalore.

.....

UGC Share.

Rs.

1. Department of Civil Engineering

(i) Equipment and working expenses upto 31.3.1979

(i) Structural Engineering.	1,08,000
(ii) Soil Mechanics and Foundation Engg.	2,16,000
(iii) Environmental Engineering	1,89,000
(iv) Highway & Airport Engineering . . . .	2,11,000
(v) Prestressed Concrete	1,86,000
(vi) Materials Science and Const. Technology	1,56,000
(vii) Allied subjects	70,000

(ii) Library Books and Journals

(i) Structural Engg.	35,000
(ii) Soil Mechanic & Foundation.Engg.	35,000
(iii) Environmental Engg.	35,000
(iv) Highway and Airport Engineering	40,000
(v) Prestressed Concrete	15,000
(vi) Material Science & Technology	25,000
(vii) Allied subjects	15,000

(iii) Recurring

3 Readers and 4 lecturers.

2. Department of Electrical Engineering

Recurring.

1. Professor and 3 Lecturers

Non-recurring

Equipment	13,00,000
Library Books	2,50,000
Building	14,00,000
Working expenses.	25,000 (Upto 31.3. 1979).

3. Department of Mechanical Engg.

Non-Recurring.

Equipment.	13,00,000
Library Books & Journals	3,00,000

Recurring

1. Professor and 3 lecturers

Working expenses	25,000 (upto 31.3. 1979).
------------------	------------------------------

: 2 :

	<u>Rs.</u>
4. <u>Department of Architecture:</u>	
Building	6,00,000
Equipment	4,00,000
Library books	75,000
Contingencies.	25,000 (upto 31.3 1979.)
5. <u>Department of Science and Humanities:</u>	
i) <u>Department of Physics</u>	
Equipment	20,000
Lib. Books and Journals	5,000
ii) <u>Department of Chemistry</u>	
Equipment	20,000
Lib. Books & Journals	5,000
iii) <u>Department of Mathematics.</u>	
Books	5,000
iv) Humanities and Social Sciences	5,000

Total assistance from University Grants Commission including Spillover and basic grant amounting to Rs. 22,01,500/- not to exceed Rs. 75 lakhs upto the period ending 31.3.1979.

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APPENDIX-X to Item No.19:

Name of the College	Amounts Approved					Basic grant already provided.	Balance to be provide	
	Eldg.	Books & Journals	Equip-ment.	FIP	Misc.			Total
(Rupees in lakhs)								
1. Madras Christian College.	- -	2.30	2.95	1.52	1.13	7.90	.95	6.95
2. Pachiappas' College.	.500	2.30	1.88	1.08	0.98	6.74	.40	6.34
3. Govt. Women's College.	- -	.20	- -	.10	- -	.30	- -	.30
4. Ethiraj College for Women.	.250	.60	- -	.60	- -	1.45	.10	1.35
5. Presidency College.	- -	4.65	3.25	2.97*	1.445	12.415	- -	12.415
6. Stella Maris College.	- -	1.40	- -	0.90	.75	3.05	- -	3.05
7. Queen Mary's College.	.375	1.10	.595	0.75	.19	3.01	- -	3.01
8. Loyala College	- -	1.20	.40	0.80	0.05	2.45	- -	2.45
9. New College	.300	1.70	.80	1.14	0.16	4.10	- -	4.10
10. Vivekananda College.	- -	1.20	1.20	.42	0.44	3.26	.10	3.16
11. A.M. Jain College.	- -	.60	.08	.284	- -	.964	- -	.964
12. SIET Women's College.	- -	.20	.20	.40	- -	.800	- -	.800
<b>Total:</b>	<b>1.425</b>	<b>17.45</b>	<b>11.355</b>	<b>10.964</b>	<b>5.145</b>	<b>46.419</b>	<b>1.55</b>	<b>44.869</b>

\*including Rs.10,000/- for Herbarium Keeper for 1977-79.

A. CALICUT UNIVERSITYFinancial Implications of Committee's Recommendations

S.No.	Name of the College	Books & Journals	Equipment	F.I.P./Visiting Experts	Other facilities (Workshop/Animal House, Museum Botanical Garden, Green House etc.)	Building	Grand Total
1	2	3	4	5	6	7	8
1.	S.N. College, Cannanore (Economics)	30,000	10,000	10,000	-	10,000	60,000
2.	Govt. College, Kasaragod	50,000	10,000	5,000	-	-	65,000
3.	Govt. Brennen College, Tellicherry	1,10,000	-	20,000	-	-	1,30,000
4.	St. Joseph's College, Devagiri	80,000	30,000	20,000	-	32,000	1,62,000
5.	Guruvayurappan College, Calicut	1,30,000	20,000	20,000	-	25,000	1,95,000
6.	Farook College, Farook	2,50,000	1,25,000	50,000	20,000	90,000	5,35,000
7.	Govt. Sanskrit College, Pattambi.	1,20,000	15,000	10,000	-	-	1,45,000
8.	N.S.S. College, Ottapalam (English)	60,000	-	10,000	-	25,000	95,000
9.	Govt. Victoria College, Palghat.	3,20,000	2,00,000	60,000	-	2,00,000	7,80,000
10.	Govt. College, Chittur.	80,000	10,000	10,000	-	1,00,000	2,00,000
11.	St. Thomas College, TCR	3,30,000	2,70,000	70,000	40,000	-	7,10,000

1	2	3	4	5	6	7	8
12.	Vimla College, TCR	80,000	25,000	20,000	-	50,000	1,75,000
13.	Sree Kerala Varama College, TCR.	2,10,000	50,000	50,000	-	1,00,000	4,10,000
14.	Christ College, Jrinjalakuda	1,40,000	1,40,000	30,000	20,000	90,000	4,20,000
		19,90,000	9,05,000	3,85,000	80,000	7,22,000	40,82,000

B. Kerala University

1.	College for Women, TVM.	5,40,000	4,60,000	-	55,000	2,50,000	13,05,000
2.	University College, TVM	5,90,000	3,20,000	80,000	1,00,000	4,00,000	14,90,000
3.	Govt. Sanskrit College, TVM.	90,000	-	5,000	5,000	-	1,00,000
4.	Loyola College of Social Science, TVM.	1,00,000	20,000	-	-	80,000	2,00,000
5.	Mar Ivanios College, TVM.	1,70,000	1,70,000	40,000	1,00,000	-	4,80,000
6.	Mahatma Gandhi College, TVM.	1,50,000	1,95,000	10,000	-	1,35,000	4,90,000
7.	Fatima Mata National College, Quilon.	3,70,000	2,30,000	70,000	1,00,000	-	7,70,000
8.	S.N. College, Quilon	6,90,000	4,00,000	75,000	10,000	1,00,000	12,75,000
9.	S.N. College for Women, Quilon.	40,000	60,000	12,500	-	37,500	1,50,000
10.	S.D. College, Alleppey	2,80,000	1,30,000	45,000	40,000	-	4,95,000
11.	N.S.S. College, Pandalam	1,80,000	1,60,000	30,000	20,000	-	3,90,000

1	2	3	4	5	6	7	8
12.	Catholicate College, Pathanathitha	2,60,000	1,60,000	50,000	10,000	35,000	5,15,000
13.	Mar Thoma College, Thiruvalla.	1,10,000	50,000	20,000	30,000	-	2,10,000
14.	St. Thomas College, Kolanchary	60,000	60,000	10,000	20,000	-	1,50,000
15.	N.S.S. Hindu College, Changenacherry	2,80,000	10,000	40,000	-	-	3,10,000
16.	S.B. College, Changenacherry	4,35,000	4,30,000	80,000	-	-	9,45,000
17.	C.M.S. College, Kottayam	2,85,000	2,60,000	40,000	20,000	-	6,05,000
18.	St. Thomas College, Patlai.	3,20,000	2,35,000	40,000	1,25,000	2,40,000	9,60,000
19.	Nirmala College, Muvathupuzha	1,50,000	80,000	15,000	-	1,00,000	3,45,000
20.	Mar Athanasius College, Kolancherry	1,00,000	80,000	20,000	-	-	2,00,000
21.	Union Christian College, Alwaye.	1,90,000	1,10,000	40,000	58,000	95,000	4,93,000
22.	Sree Sankara College, Kaladi	1,20,000	10,000	20,000	-	-	1,50,000
23.	Maharaja's College EKM	7,80,000	3,40,000	50,000	40,000	3,90,000	16,00,000
24.	Sacred Heart College, Thavera	3,40,000	1,50,000	60,000	30,000	1,00,000	6,80,000

1	2	3	4	5	6	7	8
25.	St. Alberts College, EKM	40,000	30,000	10,000	20,000	-	1,00,000
26.	St. Theresa' College, EKM	1,20,000	90,000	30,000	20,000	1,40,000	4,00,000
27.	Govt. Sanskrit College, Tripunithura.	60,000	-	10,000	-	-	70,000
		68,30,000	42,40,000	9,02,500	8,03,000	21,02,500	1,48,78,000

Note : The share of the UGC is on 100% basis for all items except in the case of buildings (functional and non-functional ) for which it is on 50:50 basis. The amount shown under buildings represents UGC's share.

EKM : Ernakulam  
TVM : Trivandrum  
TCR : Trichur

\*SLK\*

Appendix-XII to Item No. 38 of the UGC  
Minutes dated the 17th October, 1977.

Support approved and recommended by the U.G.C. for the  
Department of Sociology, SNDT Women's University, Bombay  
for participation in the University Leadership Project.

Item	Expenditure			Total Rs
	Ist Year Rs	2nd Year Rs	3rd Year Rs	
1. Senior or Junior Research Fellowships	20,000	20,000	20,000	60,000
2. Visiting Professor.	30,000	30,000	30,000	90,000
3. Seminars/Workshops 2-3 a year.	10,000	10,000	10,000	30,000
4. Consultancy	2,500	2,500	2,500	7,500
5. Research collaboration with College Teachers.	5,000	5,000	5,000	15,000
6. Field study & travel.	5,000	5,000	5,000	15,000
7. Preparation of reading material (Book, Monographs, Work books).	8,000	10,000	10,000	28,000
8. Publication.	10,000	10,000	10,000	30,000
9. Books for colleges.	25,000	25,000	25,000	75,000
10. Books for the Department.	5,000	5,000	5,000	15,000
11. Postage	2,500	2,500	2,500	7,500
12. Stationery (Paper)	5,000	5,000	5,000	15,000
13. Administrative & Techni- cal support.	10,000	10,000	10,000	30,000
14. Contingency.	2,000	2,000	2,000	6,000
15. Typewriters.	10,000	- -	- -	10,000
16. Furniture.	1,000	2,000	2,000	5,000
<b>Total:</b>	<b>1,51,000</b>	<b>1,44,000</b>	<b>1,44,000</b>	<b>4,39,000</b>

GUIDELINES FOR THE CONSTITUTION OF SCHOOLS  
IN THE UNIVERSITIES.

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1. In universities where the existing departmental and faculty pattern continues to operate Schools/Centres may be formed by grouping together departments which have common programmes & which can interact in the matter of organising common courses and research programmes.
2. Such Schools/Centres may be administered by committees which may be formed with the concerned heads of departments and some other colleagues in the departments who are specialists in the areas or specialities concerned.. .
3. The Convenorship of the Schools/Centres may be by rotation among the heads of departments who are members of the Committee.
4. The Committee may meet as often as there is need but not less than twice a year.
5. The Committee may deal with the following topics, besides any other matters pertaining to the schools :
  - a) To identify and organization of interdisciplinary courses such as Life Sciences, Marine Sciences, Environmental Sciences, etc., or courses which would help breaking down barriers between departments and promote greater academic co-operation between them.
  - b) To identify and develop new areas of research in the interdisciplinary area pertaining to the school.
  - c) To organise M.Phil/pre-Ph.D inter-disciplinary courses in in the School.
  - d) To review the progress of research schemes undertaken on an inter-disciplinary basis.
  - e) To organise seminars and discussion groups and such other activities including summer institutes, conferences etc. relevant to the school.
  - f) To recommend scholars and fellows in the research schemes jointly undertaken by the teachers in the school & to assess their progress.
  - g) To decide how to allocate the budget for common programmes made available by Departments the University and any other agencies

(h) To decide the manner of utilisation of facilities such as equipment, laboratories etc. placed at the disposal of the school by the Departments, University and any other agencies.

6. The School may through the University approach the University Grants Commission and other functioning agencies, for separate ear-marked funds for common programmes.

While it may not be possible to give an exhaustive list of schools that may be set up a few examples are given below:-

School of Earth Sciences

School of Life Sciences

School of Environmental Sciences

School of Marine Sciences

School of Energy Studies

School of Basic Medical Sciences

School of Population studies

School of Historical Studies

School of Regional Studies.

School of Behavioural Sciences

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:  
Date : 17th October, 1977  
Time : 10.00 A.M.  
Place : UGC Office,  
New Delhi.

A G E N D A

- Item No.1. To receive minutes of the meeting of the Commission held on 26th September, 1977.
- Item No.2. a) To approve the action taken on certain matters.  
b) To receive the items of information  
c) To approve the statement of proposals which could not be accepted by the Commission.
- Item No.3 To approve the statement of grants released after the meeting of the Commission held on 26th September, 1977.
- Item No.4 To receive the statement of expenditure incurred by the University Grants Commission during 1977. upto 30th September, 1977.
- Item No.5 To receive a statement indicating the progress of issue of Utilisation Certificates during the period ending 30th September, 1977.
- Item No.6 To consider the following postponed Items of the last meeting :-
- (17) To consider a reference from the Ministry of Education and Social Welfare regarding the recommendations made by the working group appointed by the Ministry of Home Affairs at its meeting held on 27th November, 1976 on National Integration.
- (21) To consider a reference received from the Vice-Chancellor, North Eastern Hill University regarding a resolution of the Postgraduate Studies Council, North Eastern Hill University to increase the percentage of reserved seats in Post-graduate Classes for Scheduled Castes and Scheduled Tribes and other Backward Classes.

- (22) To consider the proposal of North Eastern Hill University for setting up of College Development Council.
- (24) To consider the proposal of the Jadavpur University for additional staff during the Vth Plan period for the Department of Physics & Mathematics (withdrawn in the light of the decision taken on Item No. 25).
- (26) To consider further the proposal of Kalyani University for change in the field of Specialisation of the post of Professor in Zoology approved during Vth Plan period.
- (27) To consider a proposal from Kalyani University for sanction of one post of Lecturer each in Russian and Chinese.
- (28) To consider proposals from Kalyani University for UGC's assistance in the light of implementation of the schemes approved during Vth Plan period (withdrawn - Revised item included in the Agenda).
- (29) To consider the proposal of the Calicut University for the provision of an additional amount of Rs. 1.51,890/- in respect of the IVth Plan Staff Quarters outside the Vth Plan allocation.
- (30) To consider for acceptance proposals included under the IIInd and IIIrd priorities by the Vth Plan Visiting Committee which assessed the development needs of the Karnatak University.
- (31) To consider the proposal of Bhopal University for additional grants for purchase of books and journals, equipment and construction of buildings.
- (32) To consider the proposal of Kashi Vidyapith, Varanasi for creation of a Professor's post in the Department of Hindi.
- (33) To consider the proposal of the Aligarh Muslim University for change of designation of the Staff working in the Computer Centre, and for upgrading the post of Associate Lecturer-cum-Programmer to that of a Lecturer.

- (34) To consider further the proposal of Aligarh Muslim University for expansion of Computer facilities.
- (35) To consider the proposal of the Rajasthan University for Financial Assistance towards introduction of Postgraduate Courses through Correspondence.
- (36) To consider a proposal from Indian School of Mines Dhanbad for starting (i) B. Tech. (Mining Machinery) Degree Programme and (ii) M.Tech. (Mining) Industry Oriented Programme.
- (37) To consider the proposal from Jodhpur University for reappropriation of funds during Vth Plan.
- (38) To consider a proposal from S.N.D.T. Women's University, Bombay for additional allocation during Vth Plan.
- (39) To consider the proposal for the additional non-recurring grants required by the Department of Botany, Calcutta University under the programme of Special Assistance to selected departments.
- (40) To consider a reference from the Manipur Government regarding financial assistance to the Post-graduate Centre of Jawaharlal Nehru University, at Imphal.
- (41) To consider a proposal from the Magadh University for the creation of a post of professor in the Department of Ancient Indian History and Asian Studies.
- (43) To consider the report of the Visiting Committee for Government College, Shivpuri (M.P.) for the development of Post-graduate education during the Vth Plan period
- (46) To consider the recommendations of the Standing Committee for the College Science Improvement Programme (COSIP) made at its meeting held on 8-9, September, 1977.

- Item No.7 To consider the report of the expert Committee appointed to examine the proposal of Mysore University for financial assistance towards the publication of the Dictionary of the Alankara Sastra. p.1-6.
- Item No.8 To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Political Science Department of Panjab University for participation in the University Leadership Programme. p.7-16.
- Item No.9 To consider further the report of the Visiting Committee which examined the proposal of the Department of Economics, Punjabi University, Patiala for participation in the programme of Centres of Advanced Study/Department of Special Assistance in the Humanities and Social Sciences. p.17-27
- Item No.10 To consider the report of the Visiting Committee which examined the proposal of the Department of Philosophy, Rajasthan University, Jaipur for participation in the Programme of the Centres of Advanced Study/Department of Special Assistance in the Humanities and Social Sciences. p.28-42
- Item No.11 To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of Delhi University for participation in the University Leadership Programme. p.43-56.
- Item No.12 To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of Madras University for participation in the University Leadership Programme p.57-66.
- Item No.13 To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of Rajasthan University for participation in the University Leadership Programme. p.67-77.
- Item No.14 To consider recommendations of the Fifth Plan Visiting Committee for Engineering & Technology, University of Jodhpur. p.78-94.
- Item No.15 To consider the report of the Visiting Committee appointed to assess the development proposals of A.C. College, of Technology and School of Architecture and Planning, Madras University during the Fifth Five year Plan. p.95-110.

- Item No.16 To consider the report of the Visiting Committee appointed to assess the development proposals of the Sambalpur University College of Engineering, Burla during the Fifth Five year plan. p.111-137.
- Item No.17 To consider the recommendations of the Committee appointed to review the working of Diploma Course in Television Engineering at Roorkee University. p.138-143.
- Item No.18 To consider the report of the Visiting Committee appointed to assess the development proposals of the Visvesvarya College of Engineering, Bangalore, Bangalore University during the Fifth Five year Plan. p.144-167.
- Item No.19 To consider the report of the Visiting Committee appointed to examine the proposals of the Colleges located in the city of Madras for the development of the Post-graduate Studies during the Fifth Plan. p.168-181.
- Item No.20 To consider the proposal of the Visiting Committee appointed to examine the supplementary proposals of the Madras University for instituting an M.A. Course in Defence Studies and in Criminology. p.182-191.
- Item No.21 To consider the report of the Committee appointed by the University Grants Commission to review the working of the Examination Reform Unit at the Mysore University. p.192-201.
- Item No. 22 To consider the proposal of North Eastern Hill University for starting Hindi Programme in the School of Languages. p.202-203.
- Item No.23 To consider the areas of specialisation for the posts of Professor and Reader in the Department of Economics, Jadavpur University. p.204-208.
- Item No.24 To consider a proposal from Vice-Chancellor Gujarat University regarding revision of Students Teacher ratio for the increased slab of financial assistance for Commerce Colleges. p.209-210.
- Item No.25 To consider a proposal from the Gujarat University for providing additional facilities in the Gymnasium of the University. p.211-212.

- Item No. 26 To consider a proposal of Tata Institute of Social Sciences, Bombay for continuing the post of Assistant Lecturers. p.213-217.
- Item No.27 To consider the proposal of the Delhi University for enhancement of Recurring grants for the maintenance of Science laboratories in the Colleges for Undergraduate, Pass and Hons. Courses. p.218-225
- Item No.28 To consider the proposal of the Patna University for the change of specialisation of the post of Professor approved for the Department of Psychology during the 5th Plan period. p.226-231.
- Item No.29 To consider additional proposals for Staff from Kalyani University for University Grants Commission's assistance in the light of implementation of the Schemes approved during Vth Plan period. p.232-233.
- Item No.30 To consider the proposal of the Utkal University (Department of Psychology) for collaboration with Birmingham University, U.K. in the field of Education Psychology under Indo-British University collaboration Programme. p.234-241.
- Item No.31 To consider University Grants Commission's assistance for development of Post-graduate Department in Kerala in the context of the Report of Joint Survey Committee. p.242-247.
- Item No.32 To consider the proposal of Lunglei College, Lunglei (North Eastern Hill University) for financial assistance as special case. p.248-249.
- Item No.33 To consider the proposal from the Audit regarding investment of surplus funds of the Commission under short term deposits. p.250-2
- Item No.34 To consider certain establishment matters of the University Grants Commission.
- Item No.35 To note the date and place for the next meeting of the Commission.

Any other item.

.....

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting

Date : 17th October, 1977

Time : 10.00 A.M.

Place : UGC Office, New Delhi

A G E N D A

- Item No. 36 : To consider the proceedings of the meeting of the University Grants Commission Standing Committee on New Universities and University Centres held on 7th September, 1977. p.253-255.
- Item No. 37 : To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the University of Kashmir, Srinagar for assistance towards the establishment of a Centre for Adult and Continuing Education. p.256-265.
- Item No. 38 : To consider the report of the Visiting Committee appointed by the University Grants Commission to examine the University Leadership Programme proposal of the Department of Sociology, S.N.D.T. Women's University, Bombay. p.266-275.
- Item No. 39 : To consider the minutes of the meeting of the Committee appointed by the Commission on the constitution of Schools in Universities. p.276-282.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Minutes of the 196th meeting of the University  
Grants Commission held on September 26, 1977.

...

The following were present:

Professor Satish Chandra	-	Chairman
Professor B. Ramachandra Rao	-	Vice-Chairman
Shri P. Sabanayagam	-	Member
Professor R.P. Bambah	-	Member
Professor S.S. Saluja	-	Member
Professor (Miss) A.J. Dastur	-	Member
Dr. Amrik Singh Cheema	-	Member
Shri R.K. Chhabra	-	Secretary

Shri G. Ramachandran, Professor S. Gopal, Professor S. Maqbool Ahmed, Professor B.M. Udgaonkar and Dr. Chandran D.S. Devanesen regretted their inability to attend the meeting.

SECRETARIAT

Addl. Secretary

Dr. D. Shankar Narayan

Joint Secretaries

Dr. J.N. Kaul  
Shri S. Viswanath

Deputy Secretaries

Shri I.C. Menon  
Dr. S.C. Goel  
Dr. S.P. Gupta  
Dr. M.L. Mehta  
Dr. T.N. Hajela  
Shri A.B. Gupta  
Shri M.P. Balakrishnan  
Shri L.R. Mal

Director (SRC)

Dr. Jagdish Shankar

At the outset, the Chairman mentioned about the demise of Dr. S.R. Das, who was a member of the Commission from 30th January, 1962 to 14th January, 1966.

PTO



The Chairman recalled the valuable services of the late Dr. S.R. Das (to the U.G.C.) during his tenure as member of the Commission. The Commission resolved to convey to members of the bereaved family its sense of greivous loss and condolences. As a token of their respect to the memory of the departed soul, the members observed silence for a minute.

Item No. 1: To receive minutes of the meeting of the Commission held on 23rd August, 1977.

...

The minutes of the 195th meeting of the Commission held on 22nd and 23rd August, 1977 were confirmed.

Item No. 2: a) To approve the action taken on certain matters.  
b) To receive the items of information.  
c) To approve the statement of proposals which could not be accepted by the Commission.

...

(a) The Commission approved the action taken on items listed in Appendix 1\*.

Arising out of Item 2a(6), the Commission desired that it may be ensured that the concerned departments in the three colleges affiliated to Agra University fulfil the norms laid down by the Commission for instituting M.Phil. courses.

(b) This was noted.

(c) This was noted.

Item No. 3: To approve the statement of grants released after the meeting of the Commission held on 23rd August, 1977.

...

The Commission approved the grants released after the last meeting of the Commission held on August 23, 1977 (Appendix II\*).

Item No. 4: To receive the statement of expenditure incurred by the University Grants Commission during 1977-78 upto 31st August, 1977.

...

The Commission expressed its concern at the slow rate of progress of expenditure and desired that this may be looked into.

It was noted that the conference of the Vice-Chancellors of Southern Universities had already met. It was desired that steps may be taken to organise the conferences of Vice-Chancellors of other regions.

Item No. 5: To consider a reference from the Ministry of Education and Social Welfare inviting the views of the Commission for incorporation in the National Policy on Education.

...

The Commission considered the reference from the Ministry of Education regarding the National Policy Resolution on Education and desired that the suggestions (listed in Appendix III) may be communicated to the Ministry of Education and ~~Social Welfare~~ for consideration while reviewing the National Policy on Education.

Item No. 6: To consider the recommendations of the Committee appointed by the Commission to work out norms for creation of posts of Readers in the colleges  
· providing undergraduate courses at its meeting held on 11th May, 1977

...

The Commission, keeping in view the criteria generally followed for the purpose, accepted the recommendations of the Committee for creation of posts of Readers in the colleges as indicated in Appendix IV. It was, however, desired that before these Readerships are created, it may be ensured that the departments concerned would generally meet the criteria laid down for the purpose. The Commission's assistance would be subject to the following conditions:

- (a) Assistance from the Commission for creation of these posts of Readers would be provided at 100% basis upto 31.3.1983;
- (b) Assistance will be provided to the colleges on receipt of specific assurance from the college through the University that the expenditure on effectively maintaining the Readers posts would be taken over by the College/State Government after the Commission's assistance ceases;
- (c) The procedure for recruitment to the posts of Readers will be same as for the corresponding posts in the universities. For that purpose, the Universities may, if necessary, make necessary amendments in their Statutes/Ordinances.

It was further noted that as desired by the U.P. Government, the decision relating to the colleges located in U.P. would be communicated only after the State Government has taken a decision regarding the institution of Readerships in the colleges.

Item No. 7: To consider the Report of the Visiting Committee on development of the Department of Mining Engineering at Banaras Hindu University.

...

The Commission considered the report of the Visiting Committee on the development of the Department of Mining Engineering at Banaras Hindu University and generally accepted the recommendations made by the Committee. The Commission agreed to provide assistance for the items listed in Appendix V.

The Commission could not agree to a separate provision of Rs. 8 lakhs for the construction of staff quarters for the Department of Mining Engineering and desired that the University be requested to send its proposals for the utilization of this amount to meet the urgent needs of the Department.

It was suggested that the expenditure on recurring items recommended by the committee be met out of the allocation of Rs. 3 crores agreed to for the Institute of Technology, Banaras Hindu University during the current Plan period.

Item No. 8: To consider the report of the Committee to the Department of Zoology, Marathwada University, for inviting the department to participate in the programme of Special Assistance to Selected Departments.

...

The Commission desired that the report of the committee for the Department of Zoology, Marathwada University, may be brought up before the Commission after a period of six months by which time the University will have filled the V plan positions in the department sanctioned to it.

Item No. 9: To consider the report of the Committee to the Department of Geography, Aligarh Muslim University, for inviting the department to participate in the programme of Special Assistance to Selected Departments.

...

The Commission, on the recommendations of the committee, agreed to invite the Department of Geography, Aligarh Muslim University, to participate in the Programme of Special Assistance to Selected Departments and to make available grants as indicated in Appendix VI upto the end of 1983-84.

Item No. 10: To consider the report of the Committee appointed by the University Grants Commission for reviewing the working of the Department of Economics, Presidency College, Calcutta as a department of Special Assistance.

...

The Commission accepted the recommendations of the committee and agreed to continue support to the Department of Economics, Presidency College, Calcutta, under the programme of Special Assistance to selected departments. It was noted in this connection that the Commission's assistance at the present level would be available to the Department upto 31.3.1979. The Commission agreed that the revised scale of assistance recommended by the present Commission (Appendix VII) may be made available to the college for a period of five years as soon as the State Government/Presidency College agree to re-institute Professorships in the department in the scale of Rs. 1500-2500 and also continue the three old posts of Professors in the Department in the revised scale of the Professor. It was emphasized in this connection that the creation and continuation of posts of Professors in the scale of Rs. 1500-2500 would be essential to attract and retain outstanding and eminent scholars in the Department. On them will depend the leadership of the Department and without that it may lose its standing.

Item No. 11: To consider further the report of the Visiting committee which examined the proposal of the Economics Department of the Calcutta University for participation in the programme of Centres of Advanced Study/Department of Special Assistance in the Humanities and Social Sciences.

...

The Commission agreed to invite the Economics Department of Calcutta University to participate in the Programme of Special Assistance to selected departments in the Humanities and Social Sciences and agreed to provide assistance as given in Appendix VIII.

Item No. 12: To consider further the report of the Visiting Committee appointed by the University Grants Commission to examine the proposal of the Department of Anthropology of the Ranchi University for participation in the programme of Centres of Advanced Study/Department of Special Assistance in the Humanities and Social Sciences.

...

The Commission agreed to invite the Department of Anthropology of Ranchi University to participate in the Programme of Special Assistance to selected departments in the Humanities and Social Sciences and agreed to provide assistance as given in Appendix IX.

Item No. 13: To consider the recommendations of the Visiting Committee appointed by the University Grants Commission to examine the proposal of the Marathwada University for setting up a museum of historical materials.

...

The Commission agreed to provide assistance to the Marathwada University for setting up a museum of historical materials on the usual sharing basis as part of the V Plan..

Item No. 14: To consider the recommendations of the Committee suggesting qualification for appointment to the posts of Professor and Readers.

...

The Commission considered the recommendations of the Committee for suggesting qualifications for appointment to the posts of Professors and Readers in the Faculties of Arts, Social Sciences including Commerce and Sciences and agreed that the qualifications may be prescribed as below:

Professor

An eminent scholar with published work of high quality actively engaged in research. Ten years' experience of teaching and/or research. Experience of guiding research at doctoral level.

OR

An outstanding scholar with established reputation who has made significant contribution to knowledge.

Reader

Good academic record with a doctoral degree or equivalent published work. Evidence of being actively engaged in (i) research or (ii) innovation in teaching methods or (iii) production of teaching materials.

About five years' experience of teaching and/or research provided that at least three of these years were as Lecturer or in an equivalent position.

This condition may be relaxed in the case of candidates with outstanding research work.

The above qualifications may be communicated to the universities for their guidance.

The views of the universities may be invited before the qualifications mentioned above are included in the Regulations under Section 26(1)(e) of the U.G.C. Act.

Item No. 15 : To consider a reference from the Ministry of Education and Social Welfare regarding communicating the qualification laid down by the University Grants Commission from time to time for future recruitment to the post of Lecturers in the Universities/Colleges to the State Government/Universities.

...

The Commission agreed with the suggestion of the Ministry of Education and Social Welfare that henceforth the qualifications prescribed for the posts of Lecturers in the universities and colleges be communicated direct to the State Governments by the Commission under intimation to the Ministry of Education.

Item No. 16 : To consider the qualification prescribed by Jawaharlal Nehru University for recruitment to the post of Associate Fellows.

...

The Commission was of the view that if the Jawaharlal Nehru University proposed to prescribe the qualifications for the posts of Associate Fellows as at present (which are different from those prescribed for Assistant Professor), the University may prescribe a scale of Rs. 700-1300 for Associate Fellows.

Item No. 17: To consider a reference from the Ministry of  
1 Education and Social Welfare regarding the recommendations made by the working group I appointed by the Ministry of Home Affairs at its meeting held on 27th November, 1976 on National Integration.

...

Consideration of this item was postponed to the next meeting.

Item No. 18: To consider a note on the Conference of Principals of affiliated colleges of Calcutta University held on 30th August, 1977.

...

The Commission agreed that keeping in view the urgent need for improvement of instructional facilities in the Colleges, basic grants may be made available to them for purchase of essential books and scientific equipment. The details of the scheme may be worked out and action taken may be reported to the Commission.

The Commission further agreed that the assistance for schemes to be taken up for utilising the metropolitan colleges grant to Calcutta, Bombay and Madras Universities may be made available for development of inter-institutional facilities on 100 per cent basis.

- Item No. 19 : To consider the programme of academic collaboration between AC College of Technology, Madras University and the Department of Chemistry, Chemical Engineering, Cambridge University, Cambridge (U.K.) in the field of Chemical Engineering.

...

The Commission accepted the programme of academic collaboration proposed by the A.C. College of Technology, Madras University with the Department of Chemical Engineering, Cambridge University, U.K. The Commission noted that the joint programme would be conducted for three years in the first instance. The Commission's assistance under the programme would be primarily for exchange of personnel on either side as per terms of the agreement.

The Commission agreed to provide three research associates to the A.C. College of Technology, Madras University, at any given time for this purpose.

The Commission noted that research equipment needed for the joint programme and not available indigenously is likely to be available through Colombo Plan Assistance from U.K. Efforts may be made to procure the equipment needed for the programme through Colombo Plan failing which the amount required for import of the equipment may be found by the University from its development grants for equipment.

- Item No. 20 : To consider the resolution of the Standing Committee of the Association of Indian Universities regarding introduction of Physical Education as an examination subject.

...

The Commission desired that the views of the universities may be invited in the first instance on the proposal of the Association of Indian Universities regarding introducing physical education as an examination subject.

- Item No. 21 : To consider a reference received from the Vice-Chancellor, North Eastern Hill University regarding a resolution of the Postgraduate Studies Council, North Eastern Hill University to increase the percentage of reserved seats in Post-graduate classes for Scheduled Castes and Scheduled Tribes and other Backward Classes.

...

Consideration of this item was postponed to the next meeting.

Item No. 22: To consider the proposal of North Eastern Hill University for setting up of College Development Council.

...

Consideration of this item was postponed to the next meeting.

Item No. 23: To consider the views of the Visva Bharati University on the recommendation of the Committee appointed by the University Grants Commission to examine the Vth Plan development proposals of the University.

...

The Commission considered the views of the Visva Bharati on the recommendations of the UGC Visiting Committee on V Plan development proposals of the University and agreed to give the following additional assistance for development during the V Plan period:

1. Pali Sangathan Vibhaga (Social Science Unit)

- |      |                     |   |
|------|---------------------|---|
| (i)  | Computing Assistant | 1 |
| (ii) | Steno-typist        | 1 |

(The suggestion of the Universities to give an independent status to the Unit could not be accepted).

2. Department of Geography

- |      |          |   |
|------|----------|---|
| (i)  | Reader   | 1 |
| (ii) | Lecturer | 1 |

3. Department of English & Modern European Languages.

- |       |                               |   |
|-------|-------------------------------|---|
| (i)   | Lecturer in English           | 1 |
| (ii)  | Lecturer in Linguistics       | 1 |
| (iii) | Lecturer in Italian Language. | 1 |

4. Department of Philosophy & Comparative Religion

- |      |                               |   |
|------|-------------------------------|---|
| (i)  | Reader (Comparative Religion) | 1 |
| (ii) | Lecturer                      | 1 |

The proposal for an additional post of Lecturer for teaching separate subsidiary course in Mathematics for Humanities department could not be accepted.



5. Patha Bhavan & Uttar Shiksha Sadan

The Commission could not accept the proposal that the six Assistant Lecturérships sanctioned for the two year post-secondary school should be raised to those of Lecturers. The scale and designation should be equated with teachers at the higher secondary/equivalent stage. An allocation of Rs. 50,000 for the children library was approved.

6. School of Life Sciences

For the Professorship already sanctioned, the area of specialisation may be decided by the University within the limits of the recommendations of the Visiting Committee report.

7. Vidya Bhavan:

The Commission did not approve creation of six posts of Office Assistants for the six departmental offices.

Item No. 24: To consider the proposal of the Jadavpur University for additional staff during the Vth Plan period for  
. . .the Department of Physics & Mathematics.. .

...

Consideration of this item was postponed to the next meeting.

Item No. 25: To consider fresh proposal from Burdwan University for University Grants Commission assistance in the light of the implementation of scheme approved during the Vth Plan period.

...

The Commission agreed that programmes included in the V Plan Visiting Committee's recommendations and within the total allocation available to the Universities and which may would be to implement may be accepted keeping in view the satisfactory implementation of the academic and other recommendations made by the Visiting Committees. Any proposal from the universities which are outside the recommendations made by the Visiting Committee may be brought before the Commission for consideration.

The proposal of the Burdwan University may be examined in the light of this decision.

Item Nos. 26 to 41:

Consideration of item nos. 26 to 41 was postponed to the next meeting.

Item No. 42: To further consider the proposal for collaboration between Indian Institute of Science, Bangalore (CISL) and University of Hull under Indo-British Universities Collaboration Programme.

The Commission accepted the programme of academic collaboration proposed by the Indian Institute of Science, Bangalore (CISL) and the University of Hull, U.K. The Commission noted that the programme would be conducted for five years. The Commission's assistance under this programme would be primarily for exchange of personnel on either side as per terms of the agreement.

The Commission noted that scientific equipment required for the programme and not manufactured in India is likely to be made available through Colombo Plan assistance. The Commission, however, agreed to provide a special grant of Rs. 2.50 lakhs to the Indian Institute of Science Bangalore, to procure equipment available indigenously required for the programme.

Item No. 43: To consider the report of the Visiting Committee for Government College, Shivpuri (M.P.) for the development of Post-graduate education during the Vth Plan period.

...

Consideration of this item was postponed to the next meeting.

Item No. 44: To consider certain establishment matters of the University Grants Commission.

- i) Representation of Mrs. Pushpa Arora, Senior Library Attendant for promotion as Junior Library Assistant.

...

The Commission while considering the circumstances of the case of Mrs. Pushpa Arora, Senior Library Attendant for promotion as Junior Library Assistant, desired that in the light of the last reply received by the Commission from the Directorate of Education, Delhi Administration, it may again be got confirmed from the Ministry of Education & Social Welfare, Government of India, if the certificate in Library Science from Raja Balwant Singh College, Agra possessed by Mrs. Pushpa Arora has since been recognised for the purpose of employment under the Central Government and the matter placed before the Commission accordingly.

Item No. 45: To note the date and place for the next meeting of the Commission.

...

It was noted that the next meeting of the University Grants Commission will be held on October 17, 1977 at New Delhi.

Item No. 46: To consider the recommendations of the Standing Committee for the College Science Improvement Programme (COSIP) made at its meetings held on 8-9, September, 1977.

...

Consideration of this item was postponed to the next meeting.

Item No. 47: To consider a proposal of the Andhra University for starting of Postgraduate courses under University's supervision at Nuzvid and Srikakulam.

...

The Commission considered the proposal of Andhra University for starting post-graduate courses at Nuzvid and Srikakulam and felt that the proposals were more in the nature of establishing University Centres for postgraduate studies rather than initiating postgraduate courses in selected colleges under the supervision of the University. The Commission also noted that the Andhra University had also permitted some colleges to start postgraduate courses in certain subjects and it may be difficult for the University to discontinue them. The University, however, may not give further affiliation to the colleges for starting postgraduate courses.

Keeping in view the pattern of assistance available to the colleges for strengthening their postgraduate courses, the Commission agreed that the Andhra University may be provided assistance for the various departments at Nuzvid on the same basis as is available for developing postgraduate courses in the subjects of mathematics, physics and chemistry.

It may not be necessary for the University to start M.Com. course at the Srikakulam Centre as ~~these courses are~~ already available in other colleges. The University may therefore make specific proposals for starting postgraduate courses in other subjects keeping in view the demand for such courses in the area.

P.K. CHHABRA  
SECRETARY

SATISH CHANDRA  
CHAIRMAN

Suggestions made in connection with the revision  
of the National Policy on Education.

Teachers:

1. Urgent steps should be taken to improve the status, emoluments service conditions and facilities for school teachers commensurate with their responsibilities and qualifications. This step is essential in order to attract the right type of persons from whom society has the right to expect the successful implementation of the goals of education.
2. Teachers are expected to play a pivotal role in bringing about the much needed educational reforms, and in building the character and values of the young generation. Their conduct and fulfilment of the functions and responsibilities should be in conformity with highest moral values. In order to enable them to play this role effectively and fearlessly, they have to be guaranteed security of service. Correspondingly greater initiative, responsibility and involvement in social development specially of weaker section will be expected of teachers.
3. In order that a teacher may be able to fulfil his responsibilities effectively, he should have the qualities and qualifications, in particular, the capacity to keep abreast of rapidly expanding knowledge, awareness of emerging social needs and the requirements of a learning society. For the purpose, necessary facilities should be provided to help teachers to continuously improve their professional competence.
4. The academic freedom of teachers to pursue and publish independent studies and researches and to speak and write about significant national and international issues should be protected. This is all the more important in order to inculcate a spirit of intellectual fearlessness, independent thinking and a rational outlook along with an awareness of our national heritage and fundamental values in the younger generation.

While emphasizing that education is an instrument of social transformation and growth, the academic community has to analyse the social situation in a rational manner as also to engage itself in programmes of community development.

Medium of Instruction:

Some of the main reasons for the slowness of transition to regional languages as medium of instruction have been the continued advantages available to students trained in English Medium Schools in regard to entrance to all-India professional educational institution and with regard to Public Service competitive examination and better job opportunities in general.

1. Regional Languages: The energetic development of Indian languages and literature is a sine qua non for educational and cultural development. Unless this is done, the creative energies of the people will not be released, standards of education will not improve, knowledge will not spread to the people, and the gulf between the intelligentsia and the masses will remain if not widen further.

2. In view of this, steps be taken to have a single medium of instruction, namely, the regional language or mothertongue at the school level. The needs of the children or persons who are likely to move from one State to another can be taken care of by allowing the link language(s) as an alternative medium of instruction and expanding the facilities of central schools.

3. Facilities for learning Hindi and English as languages of communication at the national and international levels should be provided at the secondary stage. This is necessary to ensure and promote national integration and provide for inter-regional mobility.

4. In order to promote a better appreciation of the composite culture of the country, while teaching any regional language, translation of outstanding works in other regional language should be used, both at the school and collegiate level and the students made aware of the life and contribution of outstanding personalities in the country.

5. In the universities, steps should be taken to adopt regional languages as media of instructions at the undergraduate level. This should be accompanied by measures to ensure that the students can use Hindi and English as library languages and develop adequate communication skills in at least one of them.

6. The medium of instruction at the professional and postgraduate levels should be decided, keeping in view national requirements, the needs of inter-regional mobility, high professional standards and availability of university level books and journals. Under all circumstances, it would be necessary to ensure that the students have adequate knowledge of the link language(s) as a means of communication at the national and international levels.

#### Equalisation of educational opportunities:

1. Strenuous efforts should be made to equalise educational opportunities and to democratise access to education.

(a) To promote social cohesion and national integration, the Common School System as recommended by the Education Commission should be adopted. Efforts should be made to improve the standard of education in all schools.

(b) More comprehensive and intensive efforts are needed to develop education among the socially and economically backward sections of society and specially among the tribal people.

(c) Until such time as sufficient number of schools are brought up to a fairly high level, scholarships to meet all necessary expenses be provided to enable the more able students especially those in the rural areas to study away from home in better equipped schools.

#### Identification of Talent:

For the cultivation of excellence, it is necessary that talent in diverse fields should be identified at an early as age as possible and every stimulus given for its full development. Proper tests will have to be devised to identify intrinsic talent and potential so as to

avoid the handicaps suffered by students from disadvantaged backgrounds. Talent search must be carried out at all levels and for a variety of abilities.

### Compulsory National Service

1. There should be compulsory National Service of one year duration for all students admitted to the first degree course. It should be undertaken immediately after the admission is taken and completed before the student embarks upon his formal course of study. The admission to the first degree course will be confirmed only after a satisfactory completion of National Service. This should be introduced in a phased manner over a specified period.
2. Well thought out steps would have to be taken to make full use of this resource to maximise the benefits from it. The teachers should be suitably involved with the students.
3. The compulsory national service should also be utilised for a campaign for universal literacy and adult education. Universities will thus be expected to play an important role in this high priority national programme.

### Science Education

Science Education should not be confined to the four walls of educational institutions but full use should be made of the environment of the student to bring out the scientific principles and methods.

### Research

Research in the universities should be supported at the highest level both in the basic areas and in relation to application relevant to national development. High quality education has to be accompanied by involvement of teachers in research and other creative activities. For the purpose, it is necessary for the emergence of an increasing number of Centres of Excellence within universities.

### Examination

1. A major goal of examination reforms should be to improve the reliability and validity of examinations and to make evaluation a continuous process aimed at helping the students to improve his level of achievement rather than at 'certifying' the quality of his performance at a given time.
2. For certification and degree purpose, the examination should be largely decentralised and conducted by the teachers who are teaching a particular class. Face setter voluntary examination expecting a high level of performance may be organised at regional and national levels.

### Secondary Education:

Vocationalisation of higher secondary education should be actively pursued. However, in order to minimise the financial burden on the education sector arising out of this full use should be made of the infrastructure already existing in the society, in particular, industries. Other productive organs of the society must also take the responsibility in this regard and if necessary, necessary legislation should be enacted.

### Production of Books

The quality of books should be improved and the best talent in the country invited to write books, so as to remove dependence on foreign books in any sector.

This, however, should not mean that the students should not have access to foreign books which add to their knowledge.

### University Education

1. University education should equip the graduate or postgraduate students with knowledge, skills and attitude that would enable him to understand and contribute to the solution of problems of national development.
2. The University system must provide for a diversity of courses to suit different capabilities, needs and aptitudes. Different institutions (colleges and universities) may specialise in catering to specific needs.
3. University is an intellectual resource of the community and its intellectual resources must be made available to the society through the involvement of the academic community in societal problems. From this point of view, education cannot be confined to the walls of a college or a university and the whole community and the social environment has to become the learning place. Such enhancement of social activism is in fact essential if the University has to become a tool of social change.
4. Universities will have to play an increasing role in life long or continuing education, providing courses of different duration to people coming from different walks of life.
5. Efforts will be made to remove regional imbalances, and in particular, to ensure that opportunities for high quality education and research will be available in all States and regions.
6. Education has to be treated as an integrated whole and efforts will be made to remove the barriers, horizontal and vertical, which today separate different sectors of education. Links should be established and strengthened between universities, national laboratories and productive enterprises so that the research facilities and expertise may be used for the best purpose.

7. In order to maintain standards in university system, care would have to be ensured that adequate financial resources are made available or regulate the expansion of universities and colleges in consonance with the national requirements.

8. Assistance to under-privileged sectors of society, in particular scheduled castes and tribes, in their pursuit for higher education should be intensified. In particular, emphasis will be laid on remedial courses, for such students from these sectors of society as need them so as to enable them to improve their performance, and to come on par with the others.

...



Appendix-IV to Item No.6

Recommendations made by the Committee appointed by  
the Commission for creation of posts of Readers  
in colleges.

.....

S.No.	Name of the University/ College	Department	Number of Readership(s) recommended	Remarks
1	2	3	4	5
1.	I <u>Agra University</u> D.S. College, Aligarh	Physics Chemistry Mathematics Botany Economics Hindi Psychology Education English	1 1 1 1 1 1 1 1 1	
2.	II <u>Andhra University</u> Hindu College Masulipatnam	Economics Commerce	1 1	
3.	III <u>Bombay University</u> Rakniranjan Jhujhunwala Arts & Science College, Bombay.	Chemistry	1	
4.	Ramnarain Ruia College Bombay	English Economics	1 1	
5.	IV <u>Bhagalpur University</u> T.N.B. College, Bhagalpur	Hindi English Economics Psychology Mathematics Physics Chemistry Botany Zoology	1 1 1 1 1 1 1 1 1	
6.	R.C. & D.J. College Monghyr	Hindi Commerce English Physics Chemistry Botany Zoology	1 1 1 1 1 1 1	

1	2	3	4	5
7.	Marwari College Bhagalpur	Commerce English	1 1	
8.	S.P. College, Dumka	Physics Chemistry	1 1	
9.	Deograh College, Deogarh	English	1	
10.	Sahibganj College, Sahibganj	English Economics Hindi Chemistry Physics	1 1 1 1 1	
11. V	<u>Guru Nanak University</u> Bans Raj Mahila Mahavidyalaya, Jullundur	Hindi Pol. Science English Music	1 1 1 1	
12.	Khalsa College, Amritsar.	English Economics Pol. Science Punjabi Chemistry Zoology Botany Physics Ag. Economics Commerce Mathematics	1 1 1 1 1 1 1 1 1 1 1	
13.	Baring Union Christian College, Batala	English	1	
14. VI	<u>Kanpur University</u> A.N.D. Mahapalika Mahila Mahavidyalaya, Harsh Nagar Kanpur	Hindi Psychology Botany English	1 1 1 1	
15. VII	<u>Karnatak University</u> Karnatak Arts College Dharwar	English	1	
16.	Karnatak Science College Dharwar	Chemistry Physics	1 1	

1	2	3	4	5
17.VIII	<u>L.N. Mithila University</u> G.D. College, Bagusarai	English Physics Chemistry	1 1 1	
18.	R.K. College, Madhubani	English Mathematics Commerce	1 1 1	
19.	Samestipur College Samestipur	English Hindi Pol. Science History	1 1 1 1	
20.	B.S. College, Katihar	English	1	
21.	C.M. College, Darbhanga	English Economics Sociology Commerce Pol. Science Maithili Hindi	1 1 1 1 1 1 1	
22.	C.M. Science College, Darbhanga	Physics Chemistry Botany Zoology Mathematics	1 1 1 1 1	
23.	T.P. College, Madhupur	Pol. Science	1	Subject to receipt of complete information.
	<u>IX Lucknow University</u>			
24.	Lucknow Christian College Lucknow	Chemistry	1	
	<u>X Madras University</u>			
25.	Soeth Lakshmi Ramaswamy College, Tirucherapalli	Mathematics Chemistry	1 1	
26.	P.S.G. Arts College Coimbatore	Physics Economics	1 1	
27.	Sri Vinashilingam Home Science College for Women, Coimbatore.	Nutrition Department	1	
28.	S.I.E.T. Women's College Madras.	Home Science	1	

1	2	3	4	5
	<u>XI Magadh University</u>			
29.	Nalanda College Biharshariff	English Hindi Chemistry Physics	1 1 1 1	
30.	Gaya College, Gaya	English Hindi Economics Psychology Geography Pol. Science Philosophy Commerce Mathematics Chemistry Physics	1 1 1 1 1 1 1 1 1 1 1	
31.	College of Commerce, Patna			Clarification to sought regarding Bifurcation of the college.
32.	S.P. Jain College, Sasaram	Hindi	1	
33.	B.S. College, Dinapur	Mathematics Chemistry Physics English	1 1 1 1	
34.	A.N.S. College, Barh (Patna)	Hindi English	1 1	
35.	Kisan College, Patna	English Economics Philosophy Chemistry Physics	1 1 1 1 1	
36.	A.N. College Patna	Physics Chemistry Botany Zoology English Hindi	1 1 1 1 1 1	
	<u>XII Marathwada University</u>			
37.	Yashwant Mahavidyalaya Nanded	Zoology Chemistry Commerce	1 1 1	

1	2	3	4	5
39.	J.B.S.R.G. Bagidu Permanent Arts S.B.L. Commerce and R. Bezaniya Science College, Jalna Distt. Aurangabad.	Physics	1	
<u>XIII Meerut University</u>				
39.	D.A .V. College, Muzaffarnagar	Physics Botany Zoology Chemistry	1 1 1 1	
40.	R.G. College, Meerut	English Hindi Drg. & Painting Pol. Science Sociology Music Psychology	1 1 1 1 1 1 1	
41.	M.M.H. College, Gaziabad	Economics English Hindi Pol. Science Chemistry Mathematics Physics	1 1 1 1 1 1 1	
<u>XIV Nagpur University</u>				
42.	Govt. Institute of Science, Nagpur	Zoology Physics Chemistry Botany Mathematics Statistics	1 1 1 1 1 1	Number of Readership needed by the college may be ascertained first so that one reader for every six posts in a department could be considered.
<u>XV North Bengal University</u>				
43.	Shiliguri College Darjeeling	Physics Chemistry Geography English	1 1 1 1	
<u>XVI Coimbatore University</u>				
44.	A.V. College of Science, Commerce, Hyderabad.	Botany Chemistry Physics Zoology	1 1 1 1	On receipt of infor- mation regarding number of readerships needed.
45.	S.M. Vanita Mahavidyalaya Hyderabad	Zoology Botany Chemistry	1 1 1	



Appendix V to Item No.7

Department of Mining Engineering, Institute of  
Technology, Banaras Hindu University.

Non-recurring :

(i) Equipment	Rs. 25.00 lakhs
(ii) Buildings	Rs. 7.00 lakhs

Recurring :

A. (i) Books & Journals	Rs. 20,000 p.a.
(ii) Visiting Specialists	Rs. 10,000 p.a.
(iii) Departmental Research	Rs. 30,000 p.a.
(iv) Contingencies	Rs. 10,000 p.a.
(v) Seminar/Symposia/ Publication	Rs. 10,000 p.a.
(vi) Driver & Vehicle maintenance etc.	Rs. 15,000 p.a.
(vii) Technical/Workshop staff	Rs. 10,000 p.a.
(viii) Field work/travel and maintenance of students for training in industry	Rs. 10,000 p.a.

Rs. 1,15,000 p.a.

B. Additional Staff

Professors - Two (one in Mine Environment and one in  
Mining Machinery)

Readers - Two (one in Mining Geology and one in  
building material and construction)

Research  
Associate - One

Senior Research  
Fellows - Two at any time

Appendix VI to Item No.9

Aligarh Muslim University - Department of Geography

Non-Recurring :

1. Books & Journals	Rs. 1,00,000
2. Equipment	Rs. 2,00,000
3. Building	Rs. 1,50,000
4. Museum-Model etc.	Rs. 1,00,000
5. Vehicle, Lab. furniture etc.	Rs. . 75,000
6. Documentation Centre	Rs. . 50,000
	<hr/>
	Rs. 6.75,000

Recurring : (Upto end of VI Plan period)

Staff :

1 Professor (with specialisation in population geography)	'	
1 Reader (with specialisation in Land Use and Agricultural Geography)	'	
1 Lecturer and 1 Cartographer	'	Actual expenditure
	'	
Junior Research Fellows - Three per annum	'	
	'	
Senior Research Fellows - Two at any time	'	
2. Technical & supporting staff	Rs. 20,000	
3. Seminar and symposia	Rs. 10,000	
4. Field work	Rs. 10,000	
5. Contingency and working expenses	Rs. 15,000	
6. Visiting fellows	Rs. 10,000	



Appendix VII to Item No.10

Support recommended and approved by the UGC for the department of Economics, Presidency College, Calcutta.

Recurring

(a) Academic Staff :

- i) Two Professor (Rs.1500-2500)
- ii) Three Readers (Rs.1200-1900)

(b) Fellowships

- i) Junior Fellows -4 (every year)
- ii) Senior Fellows -2 (at any given time)
- iii) National Scholarships -4 (every year)
- iv) Teacher Fellowships - 2 (at any given time)
- v) Visiting Teachers - Rs.30,000/- p.a.

(c) Other Items

- i) Books and Journals Rs. 10,000/- p.a.
- ii) Publication Rs. 15,000/- p.a.
- iii) Research & Field work Rs. 10,000/- p.a.
- iv) Administrative & Technical staff. Rs. 10,000/- p.a.
- v) Seminars Rs. 10,000/- p.a.
- vi) Contingencies Rs. 10,000/- p.a.

Non-Recurring

- i) Books & Journals. Rs.1.5 lakhs
- ii) Building Rs.2.5 lakhs
- iii) Equipment for Library Office and electronic calculators Rs. 20,000/-
- iv) Furniture(fixtures & fittings Rs. 25,000/-

Appendix VIII to Item No.11.

Support approved and recommended by the UGC for  
the department of Economics, Calcutta University.

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Recurring :

A. Staff :

- i. One Professor (Urban Economics)
- ii. One Reader (Urban Economics/Related Areas)
- iii. One Research Associate

B. Fellowships :

- i. Two Junior Research Fellowships for Ph.D. every year, tenable for 4 years subject to a maximum of 8 at any given time.
- ii. Two Senior Research Fellowships (at any given time), One Teacher Fellowship for M.Phil. every year, tenable for 3 years, subject to a maximum of 4 at any point of time.
- iii. National Scholarships - 4 p.a.
- iv. Visiting Teachers - Rs.30,000/- p.a.

C. Other items :

- |                                   |                    |
|-----------------------------------|--------------------|
| i. Administrative/Technical Staff | - Rs.15,000/- p.a. |
| ii. Books and Journals            | - Rs. 5,000/- p.a. |
| iii. Publications                 | - Rs. 5,000/- p.a. |
| iv. Research & Field work         | - Rs.10,000/-p.a.  |
| v. Seminars                       | - Rs.10,000/- p.a. |
| vi. Contingency                   | - Rs. 5,000/- p.a. |

Non-Recurring :

- |                     |                 |
|---------------------|-----------------|
| 1. Books & Journals | - Rs.1,00,000/- |
| 2. Equipment        | - Rs. 80,000/-  |

Appendix IX to Item No.12.

Support approved and recommended by the UGC for  
the Department of Anthropology, Ranchi University.

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Recurring :

A. Staff :

- i. One Professor/Senior Fellow with specialisation in advanced anthropological theory.
- ii. Three Readers/fellows (one with specialisation in urbanisation and industrialisation, one with specialisation in methodology macro analysis and quantification methods, one in sociology with specialisation in functional/structural and system analysis).
- iii. Two Research Associates.

B. Fellowships :

- i. Four Junior Research Fellowships - per annum
- ii. Two Senior Research Fellowships (at any given time)
- iii. National Scholarships - 4 p.a.
- iv. Visiting Teachers - Rs. 30,000/-
- v. Teacher Fellowships - 4 at any given time.

C. Other items :

- |                                     |                     |
|-------------------------------------|---------------------|
| i. Administrative & Technical Staff | - Rs. 20,000/- p.a. |
| ii. Books & Journals                | - Rs. 20,000/- p.a. |
| iii. Publications                   | - Rs. 10,000/- p.a. |
| iv. Field training programme        | - Rs. 10,000/- p.a. |
| v. Seminars                         | - Rs. 10,000/- p.a. |
| vi. Contingencies                   | - Rs. 5,000/- p.a.  |

Non-Recurring :

- |  |                |
|--|----------------|
| 1. Books & Journals  | - Rs. 50,000/- |
| 2. Equipment (Photographic, recording and camping equipment) | - Rs. 75,000/- |

UNIVERSITY GRANTS COMMISSION

Meeting: .

Dated : 17th Oct. 1977

Item 2(a): To approve the action taken on certain matters:-(1) Proposals of colleges accepted under Rs.5 lakh Scheme.

The following proposals of colleges have been approved by the Commission for the financial assistance under Rs.5.00 lakhs scheme during the Fifth Plan period.

No.	Name of the College	Purpose	Estimated cost	UGC share	Date of approval
2.	3.		4.	5.	6.
			Rs.	Rs.	
<u>RAJSHREE UNIVERSITY</u>					
	Sri Rameshwardas Agarwal Kanya Mahavidyalaya, Hathras.	Construction of library building. Books & Journals	Accepted in principle 40,000/-	30,000/-	10-9-1977
<u>RAJSHREE UNIVERSITY</u>					
	Sewa Ashram Degree College, Dhindui, Pratapgarh	Books & Journals	40,000/-	30,000/-	3-8-1977
<u>RAJSHREE UNIVERSITY</u>					
	SSS Vidyapith Degree College, Peernagar, Ghazipur.	Books & Journals Equipment Const. of Men Students Hostel	48,000/- 24,000/- <u>2,54,400/-</u> 3,26,400/-	36,000/- 18,000/- <u>1,90,800/-</u> 2,44,800/-	3-8-1977
	Sri Mahanth Ramashraya Das Mahavidyalaya, Bhurkura, Ghazipur	Books & Journals Equipment	40,000/- <u>12,000/-</u> 54,000/-	30,000/- <u>9,000/-</u> 39,000/-	18-8-1977

1.	2.	3.	4.	5.	6.
5.	Gulab Devi Mahila Mahavidyalaya, Ballia	Books & Journals Equipment	40,000/- <u>24,000/-</u> 64,000/-	30,000/- <u>18,000/-</u> 48,000/-	29-8-1977
6.	Baba Raghav Das Bhagwan Das Degree College, Ashram Barhaj, Deoria	Books & Journals	24,000/-	18,000/-	23-8-1977
7.	Bapu Degree College, Gorakhpur	Books & Journals Equipment	40,000/- <u>12,000/-</u> <u>52,000/-</u>	30,000/- <u>9,000/-</u> <u>39,000/-</u>	29-8-1977
8.	BRD Postgraduate College, Deoria	Construction of library building	Accepted in principle (2/3 : 1/3)		27-8-1977
9.	Kooba Mahavidyalaya, Azamgarh	Construction of library building	Accepted in principle (2/3 : 1/3)		2-9-1977
<u>GARHWAL UNIVERSITY</u>					
10.	Dayanand Women's Trg. College, Dehradun	Books & Journals	12,000/-	9,000/-	26-8-1977
<u>KANPUR UNIVERSITY</u>					
11.	Iswar Saran Degree College, Allahabad	Construction of 2 class rooms	Accepted in principle		3-8-1977
12.	RMP Degree College Sitapur	Books & Journals i) Construction of library building ii) Teacher Fellowship to Sh. Satish Chandra Gupta, Lecturer in Pol. Sc. for Ph.D. at Kanpur University	40,000/- Accepted in principle	30,000/- Accepted in principle	16-8-1977
<u>ROHILKHAND UNIVERSITY</u>					
13.	Bareilly College, Bareilly	Teacher Fellowship to Shri Sardar Singh Lecturer in Economics			15-8-1977
14.	Gokul Das Hindu Girls College, Moradabad	Teacher Fellowship to Km. Shama Agarwal, Department of Economics			25-9-1977

2.	3.	4.	5.	6.
<u>NANAK DEV UNIVERSITY:</u>				
Baring Union Christian College, Batala	Books & Journals	1,00,000/-	75,000/-	14-9-77
	Equipment	80,000/-	60,000/-	14-9-77
<u>CHAL PRADESH UNIVERSITY:</u>				
Govt. College, Bilaspur	Books & Journals	60,000/-	45,000/-	8-9-1977
	Equipment	40,000/-	30,000/-	8-9-1977
	Equipment for Workshop	15,000/-	15,000/-	8-9-1977
<u>UKSHETRA UNIVERSITY</u>				
IB College, Panipat	Const. of Class-room	1,90,280/-	95,140/-	3-9-1977
SD College, Palwal	Books & Journals	60,000/-	45,000/-	23-9-1977
	Lab. Equipment	24,000/-	18,000/-	23-9-1977
<u>SHRI UNIVERSITY:</u>				
The Islamia Coll. of Sc. & Com. Srinagar	Workshop-shed	34,000/-	34,000/-	20-8-1977
	Equipment Workshop	66,000/-	66,000/-	26-8-1977
<u>JAMMU UNIVERSITY</u>				
Govt. College, Poonch	Books & Journals	40,000/-	30,000/-	3-9-77
	Equipment	60,000/-	45,000/-	3-9-77
	Workshop Equipment	10,000/-	10,000/-	3-9-77
<u>PANJAB UNIVERSITY</u>				
MCM DAV College, for Women, Chandigarh	Women's Hostel	1,66,740/-	1,25,055/-	28-8-77
JG DAV College, Daruya (Hoshiarpur)	Books & Journals	48,000/-	36,000/-	3-10-77
	Equipment	32,000/-	24,000/-	3-10-77
Guru Nanak Khalsa College for Women, Ludhiana	Books & Journals	40,000/-	30,000/-	14-9-77

1.	2.	3.	4.	5.	6.
24.	DAV College, Bhatinda	N.R.S.C.	38,173/-	35,000/-	24-9-
25.	Devki Devi Jain Memorial Colloge for Women, Ludhiana	Books & Journals	10,000/-	7,500/-	26-9-
<u>PUNJABI UNIVERSITY</u>					
26.	Govt. Brijendra Colloge	Books & Journals Equipment	1,20,000/- 80,000/-	90,000/- 60,000/-	17-9- 17-9-
27.	Govt. Ripudaman Colloge	Books & Journals Equipment	1,00,000/- 20,000/-	75,000/- 15,000/-	24-9- 24-9-
<u>GURU NANAK DEV UNIVERSITY</u>					
28.	DAV Colloge for Women, Amritsar	Canteen - Const.	76,000/-	50,667/-	
<u>ROHTAK UNIVERSITY</u>					
29.	Vaish Colloge, Rohtak	Construction of Canteen	1,14,916/-	76,000/-	23-9-1
<u>PANJAB UNIVERSITY</u>					
30.	DAV Colloge, Chandigarh	Construction of Canteen	1,18,858/-	78,705/-	26-9-7
<u>BIHAR UNIVERSITY</u>					
31.	MDEM Colloge, Muzaffarpur	Books & Journal Laboratory Eqpt.	1,60,000/- 1,80,000/-	1,20,000/- 1,35,000/-	22-6-77 22-6-77
<u>BHAGALPUR UNIVERSITY</u>					
32.	Deoghar Colloge, Deoghar	Lab. Equipment Books & Journals	1,80,000/- 12,000/-	1,35,000/- 9,000/-	9-7-77 9-7-77
<u>GAUHATI UNIVERSITY</u>					
33.	Nalbari Colloge, Nalbari	Books & Journals Lab. Equipment	30,000/- 1,00,000/-	22,500/- 75,000/-	21-7-77

	2.	3.	4.	5.	6.
<u>N. MITHILA UNIVERSITY</u>					
34. RK College, Madhubani	Books & Journals Lab. Equip.	80,000/- 98,000/-	60,000/- 73,500/-	14-7-77 14-7-77	
<u>AGADH UNIVERSITY</u>					
35. AN College, Patna	Books & Journals Lab. Equipment	60,000/- 2,55,000/-	45,000/- 1,91,250/-	14-7-77 -do-	
36. Maharaja College, Arrah	Books & Journal Lab. Equipment	75,000/- 2,00,000/-	56,250/- 1,50,000/-	-do- -do-	
<u>RANCHI UNIVERSITY</u>					
37. Tata College, Chaibasa	Books & Journal	15,000/-	11,250/-	-do-	
<u>PATNA UNIVERSITY</u>					
38. Patna Women's College, Patna	Library Building	3,61,530/-	1,67,000/-	21-7-77	
<u>BERHAMPUR UNIVERSITY</u>					
39. Rayagada College, Rayagada	Books & Journal	65,000/-	48,750/-	1-8-77	
40. KSUB College, Bhanjanagar	Const. of Staff quarters Construction of Workshop Lab. Equipment Books & Journals	41,256/- 53,518/- 40,000/- 50,000/-	20,628/- 35,000/- 30,000/- 37,500/-	10-9-77 -do- -do- -do-	
41. VD College, Jeypore	Lab. Equipment Construction of Workshop Workshop Equipment	76,000/- 17,120 65,883	57,000/- 17,120 65,883	10-9-77 -do- -do-	
<u>BHAGALPUR UNIVERSITY</u>					
42. Deoghar College, Deoghar	Teaching Accom. (in principle)	2,49,882/-	1,66,588/-	9-7-77	



1.	2.	3.	4.	5.	6.
43.	KKM College, Jamui	Books & Journal Lab. Equipment	1,60,000/- 1,60,000/-	1,20,000/- 1,20,000/-	10-9-7 10-9-7
<u>BURDWAN UNIVERSITY</u>					
44.	Ramananda College Bishnupur	NRSC	69,720/-	69,720/-	31-7-7
45.	Netaji Mahavid- yalaya, Arambagh	Construction of Class-Room Books & Journals & Equipment	1,54,412/- 2,50,000/-	1,02,941/- 1,87,500/-	3-8-19 3-8-19
<u>CALCUTTA UNIVERSITY</u>					
46.	Bethune College, Calcutta	Centenary grant (Const. of Seminar Hall)	1,41,000/-	1,00,000/-	31-7-7
47.	Heramba Chandra College, Calcutta.	Additional Class Rooms	3,39,761.91	1,66,000/-	20-7-7
48.	RK.Mission. . Residential Coll. Narendrapur	Const. of . Library Extn. of Lab.	1,32,407/- 75,09/-	66,203.50 37,349.50	11-9-7 -do-
49.	Lady Brabourne College, Calcutta	Books & Journals Equipment Workshop Build Workshop Equip.	45,000/- 68,000/- 35,000/- 65,000/-	33,750/- 51,000/- 35,000/- 65,000/-	12-9-7 -do- -do- -do-
<u>DIBRUGARH UNIVERSITY</u>					
50.	JB College, Jorhat	Women's Hostel Extension of Library Books & Journal Lab. Equipment	2,74,227/- 58,586/- 3,00,000/- 2,50,000/-	2,05,670/- 29,293/- 2,25,000/- 1,87,500/-	27-8-7 -do- -do- -do-
51.	Sibsagar College, Joysagar	Books & Journal Lab. Equipment Workshop Shed Teachers' Hostel	1,00,000/- 1,20,000/- 75,000/- 2,87,912/-	75,000/- 90,000/- 33,000/- 1,05,720/-	2-8-7 -do- -do- -do-
52.	Gargaon College, Sinaluguri	Books & Journal Lab. Equip.	11,600/- 1,00,000/-	8,700/- 75,000/-	12-9-7 -do-

2.	3.	4.	5.	6.
<u>BAUHATI UNIVERSITY</u>				
3. Magaldai College, Magaldai	Lab. Equipment Books & Journal	1,12,000/- 80,000/-	84,000/- 60,000/-	11-8-77 -do-
4. Churachandpur College, Churachandpur	Addl. Teaching accommodation	1,61,114/-	1,07,409/- (Revised)	10-9-77
<u>N MITHILA UNIVERSITY</u>				
5. GD College, Begusari	Extension of Science Block Books & Journal Equipment	3,37,325/- 65,000/- 60,000/-	2,22,000/- 48,750/- 45,000/-	10-8-77 -do- -do-
<u>MAGADH UNIVERSITY</u>				
6. TPS College, Patna	Equipment Psych.	20,000/-	15,000/-	21-7-77
7. Maharaja College, Arrah	Workshop Shed Workshop Equip.	37,605/- 62,713/-	35,000/- 62,713/-	17-8-77 -do-
8. KLS College, Nawadeh	Books & Journal Equipment	1,00,000/- 1,00,000/-	75,000/- 75,000/-	11-9-77 -do-
9. MV College, Buxer	Books & Journal Lab. Equipment	1,50,000/- 1,00,000/-	1,12,500/- 75,000/-	10-9-77 -do-
10. AN College, Patna	Workshop Shed & Equipment	74,400/-	67,000/-	19-9-77
<u>WEST BENGAL UNIVERSITY</u>				
1. Belurghat College, Belurghat	Staff Qrs. Addl. Teaching accommodation	1,98,818/- 56,307.75	99,409/- 37,538/-	25.8.77 -do-
<u>MAGADH UNIVERSITY</u>				
2. Magadh Mahila College, Patna	Teaching Accon. Books & Journal Lab. Equipment	3,72,515/- 14,000/- 2,50,000/-	2,22,000/- 10,500/- 1,87,500/-	10-9-77 10-9-77 -do-
<u>JAMSHEDPUR UNIVERSITY</u>				
Jamshedpur Women College, Jamshedpur	Workshop Shed Equipment	1,01,759/-	1,00,000/-	10-8-77

1.	2.	3.	4.	5.	6.
64.	Doranda College, Doranda	Books & Journal	30,000/-	22,500/-	9-9-77
<u>SAMBALPUR UNIVERSITY</u>					
65.	GM College, Sambalpur	Staff quarters	64,000/-	32,000/-	10-9-77
<u>MAHATHWADA UNIVERSITY</u>					
66.	Shri Mahatma Baswe- shwar Mahavidyalaya Latur	Setting up of Workshop Purchase of Lab. Equipment	1,09,387/-  2,00,000/-	1,00,000/-  1,50,000/-	29-9-77  Aug. 77
67.	Shri Chhatrapati Shikshan Prasarak Mandal's Arts & Commerce College, Kannad	Purchase of Books & Journals	50,000/-	37,500/-	Sept. 77
<u>BOMBAY UNIVERSITY</u>					
68.	ML Dehanukar College of Commerce, Bombay	Extension of Teaching Accom. Extension of Library Building	3,46,889/-	1,67,000/-	Aug. 77
69.	Haffkine Insti. for Training & Research & Testing Bombay	Purchase of Equipment for Lib. Purchase of Lib. Books & Journals	75,000/- 2,00,000/-	50,000/- 1,00,000/-	Aug. 77 Aug. 77
<u>RAJASTHAN UNIVERSITY</u>					
70.	Govt. College, Jaisalmer	Students Hostel for 25 Students Books & Journal Remedial Courses	3,20,000/- 32,000/- 10,000/-	2,40,000/- 24,000/- 10,000/-	26-8-77 -do- -do-
71.	Dungar College, Pali	Const. of Reading Room Const. of Principal Residence Const. of Lib. Bldg. Equipments Books	49,896/- 29,486/- 2,24,000/- 1,60,000/- 20,000/-	39,691/-  1,12,000/- 1,20,000/- 15,000/-	17-9-77  -do- -do- -do-

1.	2.	3.	4.	5.	6.
72.	Seth Budnal Dugar Govt. College, Sardarshahr	Const. of Lib. Building	2,58,466/-	1,72,300/-	1-10-77

(2) Proposals of Colleges accepted under Rs.1.5 lakh Scheme

The following proposals of teachers training colleges have been approved by the Commission for financial assistance under Rs.1.5 lakh scheme during the Fifth Plan Period.

KURUKSHETRA UNIVERSITY

1.	Satish Public College of Education, Rewari	Books & Journals Equipment	28,000/- 20,000/-	21,000/- 15,000/-	2-9-77 2-9-77
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GURU NANAK DEV UNIVERSITY

1.	DAV College of Education for Women, Amritsar	Books & Journals Equipment	20,000/- 12,000/-	15,000/- 9,000/-	22-9-77 22-9-77
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PANJAB UNIVERSITY

1.	DAV College of Education, Abohar	Books & Journals Equipment for B.Ed. only	10,000/- 10,000/-	7,500/- 7,500/-	26-9-77 26-9-77
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(3) Sri Venkateswara University - Purchase of Mono Type Machine for University's Press

The 5th Plan Visiting Committee had recommended Rs.5.00 lakhs to Sri Venkateswara University for construction of staff quarters for non-teaching staff and a provision for the same was included under III Priority. The recommendations of the visiting committee were accepted by the Commission in toto and conveyed to the University, but as the policy of the Commission is not to assist the universities for the construction of quarters for non-teaching staff, this amount of Rs.5.00 lakhs could be utilised for the Sri Venkateswara University for any other purpose. The University wanted to utilise a sum of Rs.2.00 lakhs, out of this amount for the purchase of a Mon-Type Machine for its printing press as the existing press which was established during the year 1964-65 is not able to cope up with the present volume of work of the University. The University could not foresee this requirement for a Printing Press, and hence it was not included in the V Plan proposals. In view of the need and urgency for a new machine as explained by the University, the Commission agreed to the above proposal subject to the condition that the Commission's assistance would be limited to Rs.2,00,000/- or the actual expenditure whichever is less. The University has been informed of the above decision vide letter No.F.77-2/77 D.I(a) dated 24-6-1977.

(4) Sri Venkateswara University - Extension of Library Building - during Vth Plan Period - Reg.

Against an initial allocation of Rs.100 lakhs to the Sri Venkateswara University for the Vth Plan, the Commission in the first phase allocated an amount of Rs.62,80 lakhs on the recommendations of the fifth plan visiting committee. This amount fell short by Rs.3.20 lakhs as generally 66% of the initial allocation has been allocated to the various universities in the first phase. The University subsequently submitted the proposal for the construction of an extension to the library building at an estimated cost of Rs.5,90,000/-. In view of the needs and justification given by the University, the Commission accepted the proposal subject to the condition that the share of the Commission would be limited to Rs.2,95,000/- or fifty per cent of the actual expenditure whichever is less. Now, the total allocation of the University in the first phase stands at Rs.65.75 lakhs, against the initial allocation of Rs.100 lakhs. The University has been informed of the decision of the Commission vide letter No.77-8/77(D.I.a) dated 12th December, 1977.

(5) Sri Venkateswara University - Students Amenities - Provision of Canteen assistance for the -

In October, 1976, the University Grants Commission had requested universities to forward suitable proposals for the extension/construction of canteens including furniture/equipment on 2/3rd : 1/3rd sharing basis outside Vth Plan allocation and in compliance of the norms/guidelines prescribed thereunder.

Sri Venkateswara University submitted a proposal for the same at an estimated cost of Rs.2,21,714/-. The Commission has accepted the above proposal subject to the condition that JGC's share of assistance would be limited to Rs.1,47,808/- or actual expenditure whichever is less at the rate of 2/3rd : 1/3rd. The University has been informed of the decision of the Commission vide letter No.F.77-E/77 (D.I(a) dated 9-9-1977.

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(6) Kerala University -- Establishment of a Health Centre during Fifth Five Year Plan

Against an initial allocation of Rs.200.00 lakhs to the Kerala University for the fifth plan, the Commission, in the first phase allocated an amount of Rs.129.11 lakhs on the recommendations of the fifth plan visiting committee. This amount fell short by Rs.2.89 lakhs, as generally 66% of the initial allocation has been allocated to the various universities in the first phase. The University subsequently submitted the proposal for the construction of a Health Centre giving necessary need and justification. The Commission accepted the inclusion of the Health Centre as part of the fifth five year plan programmes subject to the conditions that the expenditure viz. Rs.2.10 lakhs (Rs.1.50 lakhs for Building and Rs.0.60 lakhs for recurring expenditure @ Rs.8.30 lakhs per year upto 31-3-79) will be accommodated within the fifth plan outlay. The University has been informed of the decision of the Commission vide letter No.F.15-1/75(Old) dated 3-8-1977. Now the total allocation of the University in the first phase stands at Rs.131.21 lakhs against the initial allocation of Rs.200.00 lakhs.

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(7) Andhra University - Establishment of new Study Centres during 5th plan period:

The UGC wide its letter No.22-11/76(CP) dated 8-3-1977 invited proposals from the Universities for the establishment of New Study Centres during the fifth plan period. Accordingly,

the proposal of the Andhra University for the establishment of 4 new study centres as indicated below has been accepted by the Commission in accordance with the norms and conditions laid down for the purpose and the university has been informed of the decision vide letter No.75-19/77(D.L.a) dated 29th September 1977:-

- (a) Rajamahendry (Govt. College, Rajamahendry)
- (b) Kakinada (P.R.Govt.College, Kakinada)
- (c) Eluru (Sir C.R. Reddy College, Eluru)
- (d) Vishakhapatnam (Mrs. AVN College, Vishakhapatnam)

(8) Calicut University:-

- (i) Installation of a Language Laboratory during fifth Plan period;
- (ii) Extension of University's Printing Press during the fifth plan period.

The Commission allocated an amount of Rs.96.08 lakhs to the Calicut University in the first phase on the recommendations of the fifth plan visiting committee against an initial allocation of Rs.150 lakhs. Since generally 2/3rd of the initial allocation has been allocated to the various universities in the first phase and since only Rs.96.08 lakhs was allocated to the university, an amount of Rs.3.92 lakhs could further be allocated to it in the first phase so as to bring the total first phase allocation to Rs.100 lakhs i.e. 2/3rd of the initial allocation of Rs.150 lakhs. The Commission, therefore, accepted the following proposals of the Calicut University:-

i) Installation of a Language Laboratory at an estimated cost of Rs.1.00 lakh subject to the condition that the share of the Commission would be limited to Rs.1.00 lakh or the actual expenditure whichever is less. The University has been informed of Commission's decision vide letter No.F.26-53/75(DI) dated 4-10-1976.

ii) Extension of Printing Press at an estimated cost of Rs.5.25 lakhs subject to the condition that the share of the Commission would be limited to Rs.2 lakhs or fifty per cent of the actual expenditure whichever is less (under the pattern of

assistance the Commission can give only Rs.2 lakhs for the improvement of the existing University Printing Press). The University has been informed, accordingly, vide our letter No.F.17-1/76(D.L.a) dated 29-11-1976. Now the total allocation of the University in the first phase stands at Rs.99.08 lakhs against the initial allocation of Rs.150 lakhs.

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- (9) Support for additional facilities to the Psychology Department of Allahabad University under the UGC programme of CAS/DSA in the Humanities and Social Sciences

The Commission at its meeting held on March 21, 1977, agreed to invite the Psychology Department of Allahabad University for participation in the Programme of Special Assistance to University Departments and to provide assistance for the following:-

RECURRING:-

- (a) Professors - 2 (One in Organisational behaviour and one in experimental social psychology)
- (b) Readers - 4 (One in Rural/Urban Sociology, one in methodology/social statistics, one in applied social psychology and one in organisational behaviour).
- (c) Research Associates - 4
- (d) Senior Research Fellowships 4 at any one time.
- (e) Junior Research Fellowships - 4 every year
- (f) National Scholarships - 4 every year (according to the UGC rules 50% of these scholarships are to be earmarked for students coming from outside the State where the University is located)
- (g) Visiting Professors - Rs.30,000 p.a.
- (h) Administrative and Technical Staff Rs.20,000/- p.a.
- (i) Laboratory Equipment Rs.10,000/- p.a.
- (j) Library Books & Journals Rs.25,000/- p.a.



(k) Publications	Rs. 20,000 p.a.
(l) Research & Field work	Rs. 25,000 p.a.
(m) Misc. expenditure	Rs. 10,000 p.a.

NON-RECURRING

(a) Library Books & Journals	Rs. 1,50,000
(b) Furniture	Rs. 15,000
(c) Equipment for the Laboratory (electronic calculator, multiple copies, office equipment etc.)	Rs. 1,00,000
(d) Building (400 sq.ft.) @ Rs. 50/- per sq.ft. for library, staff rooms, seminar rooms and laboratory	Rs. 2,00,000

On receipt of a request from the Head of the Department of Psychology, Allahabad University, the Commission has agreed to provide a sum of Rs. 10,000/- p.a. under the head Workshops/Seminars under the above scheme for which there was no provision.

- 
- (10) Financial assistance to the Department of Ancient History, Culture & Archaeology, Allahabad University under the UGC's Scheme of Special Assistance to selected departments in Humanities and Social Sciences

The Commission on the recommendations of the committee which examined the proposal of the department of Ancient History, Culture and Archaeology of the Allahabad University for participation in the programme of Centres of Advanced Study/Departments of Special Assistance had agreed to provide support under the scheme of "Departmental Support" in the first instance at a total cost not exceeding Rs. 10 lakhs. The matter was reported to the Commission at its meeting held on 21-3-1977 under item 2(a)(14).

Later, the Commission at its meeting held on March 21, 1977 under item No. 12 agreed that the Department of Ancient History and Archaeology, Allahabad University, may be assisted under the programme of Special Assistance. Accordingly, the assistance for the following items has been provided to the Department of Ancient History, Culture and Archaeology,

Allahabad University for the period ending 1983-84:-

- |                                       |   |
|---------------------------------------|---|
| (i) Professors - Two                  | (One for Socio-economic history and one for history of ancient Indian art, and architecture, political ideas and institutions) as recommended by the Visiting Committee |
| (ii) Readers - Three                  | (One for pre-history, one for proto and historical Archaeology and the third may be comparative history of religions) as recommended by the Visiting Committee.         |
| (iii) Lecturer - One                  | (Socio-Economic History)  |
| (iv) Research Associate - One         | (at any one time)   |
| (v) Senior Research Fellows - Two     | (at any one time)   |
| (vi) Junior Research Fellows - 4 p.a. |   |
| (vii) National Scholarships - 4 p.a.  |   |
| (viii) Teacher Fellowships - 4        | (at any one time)   |
| (ix) Technical and Excavation Staff   | Rs.2,50,000/- (for the entire period)   |
| (x) Visiting Professors               | Rs.30,000 p.a.  |
| (xi) Books and Journals               | Rs.25,000 p.a.  |
| (xii) Contingencies                   | Rs.10,000/- p.a.  |
| (xiii) Seminar and Group discussions  | Rs.10,000/- p.a.  |
| (xiv) Research and Field Work         | Rs.20,000/- p.a.  |

NON-RECURRING

- |  |                                     |
|--|-------------------------------------|
| 1. Books and Journals  | Rs.1,00,000 (for the entire period) |
| 2. Excavation Charges  | Rs.1,00,000 -do-                    |
| 3. Publications of Excavations report  | Rs.1,00,000 -do-                    |
| 4. Equipment for Laboratories (Anthropology, Zoology and Archaeological Chemistry) | Rs. 50,000                          |

The Commission's assistance to the department under the above scheme will be available upto 31st of March, 1984, subject to the conditions that the University/State Government takes over the recurring expenditure on teaching posts and technical and excavations staff as committed expenditure w.e.f. 1-4-1984.

(11) Delhi University Constituent Colleges -  
Finalisation of the accounts of the maintenance  
grants paid by the University Grants Commission

Maintenance grants to constituent/affiliated colleges of Delhi University are being paid on 95% basis for meeting the deficit (i.e. approved expenditure minus approved income). In the case of university-maintained colleges and evening classes of the colleges, maintenance grant is paid on a 100% basis against admissible deficit. The audited accounts in respect of the following colleges for the year 1975-76 have been examined and the amount of admissible maintenance grant finalised as indicated below:-

S. No.	College	Year	Amount	Date of Approval
1.	2.	3.	4.	5.
1.	Atma Ram Sanatan Dharma College	1975-76	23,65,959/-	19-8-77
2.	Bhagat Singh College (Day Classes)	1975-76	18,65,022/-	30-6-77
3.	Bhagat Singh College (Evening Classes)	1975-76	3,05,759/-	27-9-77
4.	Bharati Mahila College	1975-76	8,24,753/-	4-9-77
5.	College of Vocational Studies	1975-76	8,14,250/-	27-9-77
6.	Central Institute of Education	1975-76	11,70,298/-	29-9-77
7.	Dyal Singh College (Day Classes)	1975-76	20,83,822/-	12-6-77

1.	2.	3.	4.	5.
8.	Dyal Singh College (Evening Classes)	1975-76	7,66,611/-	29-9-77
9.	Daulat Ram College	1975-76	28,43,951/-	18-8-77
10.	Delhi School of Social Work	1975-76	7,17,075/-	31-7-77
11.	Deshbandhu College (Day Classes)	1975-76	26,01,212/-	13-8-1977
12.	Deshbandhu College (Evening Classes)	1975-76	11,61,217/-	24-9-77
13.	Gyan Devi Salwan College	1975-76	8,80,943/-	31-7-77
14.	Gargi College	1975-76	18,19,343/-	5-8-77
15.	Hans Raj College	1975-76	30,61,815/-	30-6-77
16.	Hindi College	1975-76	20,50,116/-	13-9-77
17.	Indraprastha College for Women	1975-76	24,76,012/-	8-6-77
18.	Institute of Home Economics	1975-76	7,46,043/-	4-9-77
19.	Janaki Devi Mahavidyalaya	1975-76	21,11,650/-	16-7-77
20.	Jesus & Mary College	1975-76	8,80,402/-	9-9-77
21.	Kirori Mal College	1975-76	24,68,848/-	16-9-77
22.	Kalindi College	1975-76	16,13,928/-	26-8-77
23.	Kamla Nehru College	1975-76	17,71,997/-	13-8-77
24.	Lady Irwin College	1975-76	16,08,161/-	26-8-77
25.	Lakshmi Bai College	1975-76	18,06,787/-	7-7-77
26.	Lady Shri Ram College for Women	1975-76	22,36,068/-	8-7-77
27.	Mata Sundri College for Women	1975-76	13,44,230/-	27-9-77

1.	2.	3.	4.	5.
28.	Miranda House	1975-76	28,70,332/-	16-7-77
29.	Maitreyi College	1975-76	16,27,348/-	30-7-77
30.	Moti Lal Nehru College (Day Classes)	1975-76	18,94,259/-	29-6-77
31.	Moti Lal Nehru College (Evening Classes)	1975-76	8,82,971/-	7-9-77
32.	PG DAV College (Day Classes)	1975-76	14,55,607/-	10-6-77
33.	PG DAV College (Evening Classes)	1975-76	10,96,591/-	16-9-77
34.	Ranjas College	1975-76	24,21,220/-	2-7-77
35.	Rao Tula Ram College	1975-76	2,59,777/-	13-8-77
36.	Ran Lal Anand College (Day Classes)	1975-76	9,15,148/-	16-9-77
37.	Ran Lal Anand College (Evening Classes)	1975-76	3,52,476/-	23-9-77
38.	Rajdhani College	1975-76	19,67,946/-	28-9-77
39.	St. Stephen's College	1975-76	17,59,044/-	31-8-77
40.	Shri Ram College of Commerce	1975-76	18,05,088/-	29-6-77
41.	SGTB Khalsa College (Day Classes)	1975-76	25,95,353/-	1-9-77
42.	SGTB Khalsa College (Evening Classes)	1975-76	5,07,023/-	24-9-77
43.	Sri Venkateswara College	1975-76	13,94,519/-	20-9-77
44.	Shyam Lal College (Day Classes)	1975-76	16,52,891/-	31-7-77
45.	Shyam Lal College (Evening Classes)	1975-76	6,60,085/-	7-9-77
46.	Swami Shradhanand College	1975-76	16,35,310/-	5-8-77

1.	2.	3.	4.	5.
47.	Shyama Prasad Mukherji College for Women	1975-76	14,12,821/-	8-6-77
48.	Satyawati Co-Educational College (Day Classes)	1975-76	10,01,091/-	3-8-77
49.	Satyawati Co-Educational College (Evening Classes)	1975-76	4,68,814/-	27-9-77
50.	Sri Aurobindo College	1975-76	8,88,602/-	29-8-77
51.	Shivaji College	1975-76	20,64,919/-	15-6-77
52.	Vivekanand Mahila College	1975-76	9,23,271/-	7-9-77
53.	Zakir Hussain College (Day Classes)	1975-76	24,63,788/-	2-7-77
54.	Zakir Hussain College (Evening Classes)	1975-76	13,41,572/-	8-9-77

Seventy-five per cent of the expenditure towards the salaries of the Hostel Mess Staff of the Constituent/Affiliated Colleges of Delhi University (to be appointed in accordance with the prescribed norms) is met by the Commission. Audited accounts of the following colleges for the years as noted against each have been examined and amounts of the admissible grant in this respect have been finalised as indicated below:-

S. No.	College	Year	Amount	Date of Approval
1.	Central Institute of Education	1975-76	5,614/-	4-10-77
2.	Delhi School of Social Work	1975-76	15,140/-	31-7-77
3.	Daulat Ram College	i) 1974-75 ii) 1975-76	6,914/- 13,944/-	19-8-77 9-9-77
4.	Hans Raj College	1975-76	36,464/-	30-6-77

1.	2.	3.	4.	5.
5.	Hindu Colloge	1975-76	33,139/-	13-9-77
6.	Indraprastha Colloge for Women	1975-76	38,631/-	8-6-77
7.	Kirori Mal Colloge	1975-76	23,657/-	16-9-77
8.	Lady Irwin Colloge	1975-76	48,097/-	29-7-77
9.	Lady Shri Ram Colloge for Women	1975-76	43,109/-	8-7-77
10.	Miranda House	1975-76	54,191/-	16-7-77
11.	Ranjas Colloge	1975-76	29,437/-	2-7-77
12.	Shri Ram Colloge of Commerce	1975-76	30,612/-	29-6-77
13.	St. Stephen's Colloge	1975-76	88,803/-	31-8-77
14.	Zakir Husain Colloge (Day Classes)	1975-76	10,099/-	2-7-77

(11) Creation of supernumerary posts of Professors/  
Readers in the Universities under the scheme  
formulated for the purpose by the Commission

The Committee appointed by the UGC to consider proposals received from the Universities for creation of supernumerary posts of Professors/Readers has recommended the creation of the following posts of Professors in the Universities under the scheme.

1. Madras University:

Prof. M Santappa  
Professor of Physical Chemistry,  
Madras University, Madras.

2. Jadavpur University:

Dr. Ramaranjan Mukherjee,  
Professor of Sanskrit,  
Jadavpur University.

The recommendations of the Committee have been accepted and the concurrence of the Commission for creation of the above posts have been communicated to the concerned University.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 17th October, 1977

Item No. 2(b) To receive the items of information.

.....

- (1) Scheme for the appointment of Emeritus in the field of Agriculture, Animal Husbandry and Allied Sciences.

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The I.C.A.R. New Delhi has sent a copy of the communication addressed to the Vice-Chancellors of Agricultural Universities- Director of All Research Institutes under ICAR/Project Directors/Coordinators regarding the scheme for the appointment of Emeritus Scientists in the field of Agriculture, Animal Husbandry and Allied Sciences. A copy of the communication received in this respect is enclosed (Annexure).

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- (2) Commonwealth Academic Staff Awards- 1977-78.

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The Commission as in the past years <sup>invited</sup> /nominations for the Commonwealth Academic Staff Fellowships & Scholarships for the year 1977-78. Out of a total 167 nominations received - the University Grants Commission recommended the names of 43 scholars from Indian Universities/Institutions to the Association of the Commonwealth Universities in U.K. London, for final selection. The Association of Commonwealth Universities in U.K. London, vide its communication dated April, 1977 has intimated that they had selected the following No. of scholars under these two categories:-

Fellowships	Selected	Reserve
	14	2
Scholarships	5	-

p.t.o.



Under the Fellowships, one scholar viz: Dr. CM Govil, who was at the Rajasthan University at the time when his nomination was forwarded, was selected by the A.C.U. London, later on joined the Meerut University as a temporary lecturer but was not granted study leave with salary by that University and in his place the name of Dr. H. S. Shan (Roorkee University) was recommended to the A.C.U., London, who have made an award to him. Further since the A.C.U., London, could not find a suitable placement for Dr. T.M.R. Setty (Univ. of Agriculture Sciences Mangalore) his application was treated as unsuccessful by them. In his place the University Grants Commission recommended Dr. H.V. Tiwary (Ravi Shankar University II in the reserve category) for an award and the A.C.U. London has conveyed the award placement for him.

⌈(I in reserve category)

Under Scholarships, the A.C.U. London had selected 5 scholars out of whom they could not find suitable placement in the case of Shri M. Rajsekhar of University of Agriculture Sciences, Bangalore. In the case of Shri Akh Raj (Allahabad University) due placement difficulties the A.C.U. has informed that his award will be tenable w.e.f. 1st of November, 1977

There is no reserve candidate(s) under Scholarships so that one could be nominated in place of Shri Rajsekhar.

The detailed position of the placement/tenure awards etc. in respect of the finally selected candidates is as under:-

Fellowships

1.	Dr. A.S.R. Anjanyeulu Andhra University.	1.10.77 to 10.7.77	University of Reading.
2.	Dr. R.R.M. Mishra North Eastern Hill University.	-do-	University of New Castle-upon Tyne Guy's
3.	Dr. S.R.R. Reddy Poona University	-do-	Medical school and Hospital London.
4.	Dr. M.L. Sareen Panjab University	-do-	University of Sheffield.

: 3 :

- |     |  |                          |  |
|-----|--|--------------------------|--|
| 5.  | Dr. A.N. Mukhopadhyaya<br>G.B.Pant University<br>of Agriculture and<br>Technology. | 1.10.77<br>to<br>10.7.77 | University of<br>New Castle-upon-Ty<br>Tyne & Rothamstead<br>Exp- Station. |
| 6.  | Dr. D.P. Banerjee<br>H.A. University.  | -do-                     | London School of<br>Hygiene & Tropical<br>Medicine.                        |
| 7.  | Dr. R.S. Dube<br>Saugar University.  | -do-                     | University of<br>Liverpool.  |
| 8.  | Dr. P.K. Mishra<br>Jadavpur University.  | -do-                     | University of<br>Birmingham.   |
| 9.  | Dr. S.C. Pattnaik<br>Utkal University.   | -do-                     | University of<br>Glasgow.  |
| 10. | Dr. Nafees Baig<br>Aligarh Muslim<br>University.                                   | -do-                     | Manchester<br>Business School.   |
| 11. | Dr. Sushash Chakravarty<br>St. Stephen's Coll.<br>Delhi University.                | -do-                     | University of<br>Cambridge.  |
| 12. | Dr. H.V. Tiwary<br>Ravi Shankar University.  | -do-                     | Queen's Mary's<br>College.   |
| 13. | Dr. H.S. Shan<br>Roorkee University.   | -do-                     | University of<br>Technology,<br>Loughbo-rough                              |
| 14. | Dr. Y.S. Nerkar<br>Marathwada Agriculture<br>University.                           | -do-                     | University College<br>of Wales, Welch<br>Breeding Station.                 |

Scholarships

- |    |   |                          |  |
|----|---|--------------------------|--|
| 1. | Shri S.P. Bajpai<br>Saugar University                       | 1.10.77<br>to<br>10.7.79 | University College<br>of North Wales.<br>Bangor. |
| 2. | Shri R.K. Singh<br>Lucknow University                       | 1.10.77<br>to<br>10.7.78 | Univ. of Kent                                    |
| 3. | Shri A.K. Mangalik<br>Meerut College<br>(Meerut University) | 1.10.77<br>to<br>10.7.79 | University of<br>Exeter.                         |
| 4. | Shri Alok Rai<br>Allahabad University.                      | 1.11.77                  | Details awaited.                                 |

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Copy of letter No.F. 10-6/77-Cdn.II dated 25th July, 1977 from Shri S.S. Grewal, Under Secretary, Indian Council of Agricultural Research, New Delhi copy endorsed to U.G.C.

Sub: Scheme for the appointment of Emeritus Scientists in the field of Agriculture, Animal Husbandry and allied Sciences--Inviting of nominations.

.....

I am directed to forward herewith a copy of the scheme for the appointment of Emeritus Scientists in the field of Agriculture, Animal Husbandry and allied sciences as approved by the Governing Body of the Council. It will be observed therefrom that the object of the scheme is to provide suitable facilities to enable retired/retiring scientists of established repute and eminence, to continue scientific research work in the field of Agriculture, Animal Husbandry and allied sciences (including Fisheries) with suitable research grant from the Council.

The benefit of the scheme this year will be available to all scientists of established repute and eminence in the field of Agriculture, Animal Husbandry and allied sciences (including Fisheries) who are physically fit and mentally alert and are likely to retire by the 31st December, 1977 or have retired on or after the 1st August, 1976.

It is requested that this may please be given wide publicity in your Institute/University and the scientists who are interested to continue scientific research work after retirement and wish to avail of the facilities offered under the scheme may kindly be requested to furnish 15 cyclo-styled copies of their bio-data, details of the project proposed to be undertaken with its technical programme, and other particulars in the prescribed proforma (copy enclosed) so as to reach this office latest by the 15th Sept. 1977 for consideration of their cases by the Standing Committee appointed to administer the scheme at its meeting scheduled to be held in November, 1977.

The applications received after the prescribed date i.e. after 15th September, 1977 will not be considered by the Standing Committee.

VII. Terms and conditions governing the grants to the  
Emeritus Scientists:

(a) General terms and conditions:

The schedule of terms and conditions governing grant-in-aid from the Council circulated under the Council's letter No.F. 10(2)/67-Fi.I dated the 4th February, 1970 will mutatis-mutandis apply to the grants to the Emeritus Scientists.

(b) Special terms and conditions.

(1) The Emeritus Scientist shall be entitled to the following research grant:-

- i) An honorarium of Rs. 750/- p.m. in addition to pension/provident fund that he may draw. . . . The honorarium paid to the Emeritus Scientist shall be subject to income tax.
- ii) Contingent grant upto Rs. 5000/- per annum subject to actual expenditure to cover expenditure on purchase of equipment and apparatus, books and stationery and part-time ministerial help, if any, and tours within the country. Tours in connection with the work may be undertaken by the Emeritus Scientist only when absolutely necessary strictly within overall ceiling of the contingent grant. Single rail fare of the 1st class and road mileage from the residence to the railway station and vice-versa will be admissible for such tours. No daily allowance will be admissible while on tours.
- (iii) The Scientists requiring additional grant for essential work relating to Research may indicate such requirements clearly in their applications. The Standing Committee shall consider such requests on the merits of each case.
- (iv) Grant of Rs. 3600/- or Rs. 4800/- per annum for engagement of a Junior or a Senior Research Fellow as the case may be. The rate of Junior Fellowship/Senior Fellowship will be Rs. 300/- 400/- per month. The Research Fellow has to be appointed on a fixed monthly salary and he will not be entitled to D.A. or any other allowance. The Council may be kept informed of the name, age, qualifications and fixed monthly salary of the Research Fellow, so appointed. Retired persons should not be appointed as Research Fellows. The Research Fellow will not be an employee of the Council. He will also not be entitled to travelling allowance or any other grant.

- (2) The Emerit Scientist shall devote his whole time to the Research Project for which financial assistance is provided and shall not accept any other remunerative job.
- (3) The Emeritus Scientist shall not receive any assistance for the same work from any other source so long as he receives assistance from the Council.
- (4) The Emeritus Scientist shall work in the field of his specialisation.
- (5) The Emeritus Scientist shall normally remain attached to the University/Institute from which he has retired or to any other Institute suitable for the purpose of his work. The concerned University/Institution shall make necessary arrangements for the smooth conduct of his work including office accommodation, laboratory and library facilities, and Class IV help, etc.

The Scientist shall himself make the necessary . . . . . arrangements with the concerned University/Institution. The Institution may be recognised one and may be acceptable to the Council.

- (6) The Emeritus Scientist shall be required to train Research Scholars and give lectures to the senior students in the field of his specialisation at the University or Institution to which he is attached. He shall also participate in the teaching programme, wherever possible, in addition to research work on the basis of mutual arrangements made with the University/Institution.
- (7) The Emeritus Scientist will not be entitled to benefits like residential accommodation, telephone, etc. He will, however, be entitled to occupy ICAR Rest Houses, wherever available, on tours at the rates obtaining for ICAR employees.
- (8) The appointment will start only after the scientist has actually retired, after availing of leave preparatory to retirement, if any, or when the basic facilities for the work are available, whichever is later.
- (9) The duration of appointment of the Scientist will ordinarily be of two years in the first instance. Further extension of the period upto a maximum of three years may be granted by the President of the Council on the recommendation of the Standing Committee in specially deserving cases taking into consideration the physical fitness of the scientist and the progress of research work undertaken.

- (10) The funds allotted to the Scientist shall be resumed if the work is not started within 6 months from the date from which the sanction becomes effective.

Financial Procedure

- (11) All honoraria, allowances and contingencies will be made available to the scientist through the Head of the Institution to which he is attached. All claims in this behalf shall be submitted to the Council through the Head of the Institution. The grant will be released on yearly basis.
- (12) A list of equipment and apparatus necessary for conducting research work which would not be available from the University/Institution to which the scientist is attached shall be furnished to the Council, by the scientist . . . . . alongwith the technical programme of the scheme. The list will be approved by the Council, alongwith the technical programme and the expenditure may be incurred by the scientist in accordance with the approved list, under intimation to the Council.
- (13) (a) An account of the research grant provided by the Council duly supported by original vouchers etc. shall be maintained by the scientist and submitted to the Council through the Head of the Institution/University, to which he is attached, on the expiry of one year's period.
- (b) In very exceptional cases where the Institutions/Universities, cannot part with the original vouchers etc. due to their accounting difficulties, the Council may accept a statement of audited expenditure from the Institutes. However, in the case of universities the Council may accept an authenticated audit certificate from the Auditors of the Universities. Besides the Scientists shall have to submit a utilization certificate duly countersigned by the Head of the Institution/University indicating details of the expenditure incurred. On receipt of the statement of audited expenditure/audit certificate/utilization certificate as indicated above for adjustment of the grant already released, further grant will be released, if due.
- (c) In the case of those scientists who are working in the Institutions under the Central Govt./State Govts. etc. and which are also not able to furnish the Audit certificates within a reasonable time after the close of the financial year, the Council may release the grant to the Scientists on monthly basis through the Head of the Institution, where he is working, on receipt of the original vouchers etc. for the earlier month through the Head of the Institution.

- (14) The Scientist shall furnish an annual progress report of the research work done by him to the Council for the period ending 31st December each year in the proforma prescribed by the Council. The report shall be submitted within one month of the completion of the year. The final report of the work done shall also be submitted to the Council immediately on the termination of the appointment. The last payment of his honorarium will be made by the Council only after the final report has been received by the Council. No extension in the term of appointment shall be granted for the purpose of writing of the final report.

VIII. General:

- 1) The cost of the scheme shall be met from the Cess Funds of the Council.
- 2) Notwithstanding any provision in the rules, the Director-General of the Council shall have the power to terminate the appointment of the Emeritus Scientist at any time without assigning any reason thereof.
- 3) No amendment of the Rules governing the scheme shall be made without the approval of the Governing Body of the Council.

INDIAN COUNCIL OF AGRICULTURAL RESEARCH  
KRISHI BHAVAN, NEW DELHI-1.

PROFORMA FOR POSITION OF EMERITUS SCIENTIST

- 1 Name and address:
- 2 Date of birth:
- 3 Date of retirement:
- 4 (a) Last salary drawn:  
(b) Amount of pension:
- 5 Academic qualifications commencing from graduation or equivalent examination (indicate division, subjects taken, year of passing, and University):
- 6 Designation of the posts held so far during the last 10 years (indicate name of the institution, date of joining and leaving, and scale of pay):
- 7 Details of prizes or awards, if any, received by the scientist from any research organization or institution (Indian or foreign):
- 8 Summary of achievements in the field of research in agriculture, animal husbandry or allied subjects:
- 9 Account of the research work done during the preceding 5 years.
- 10 List of scientific publications published by the scientist during the preceding 10 years (enclose reprints if necessary):
- 11 Brief title of the project proposed to be undertaken or continued (indicate how the proposed project is related to the work the scientist was doing before retirement):
- 12 Full account of the investigation proposed indicating what has been done so far and what remains to be done:
- 13 The economic benefits, if any, of the investigations proposed to be undertaken:



- 14 (a) Name of the University, College or Institution at which the investigations are proposed to be carried out :
- (b) Available facilities in the Institution in terms of accommodation, apparatus and equipment, library and laboratory facilities:
- 15 (a) Particulars of grants which the scientist is already getting or for which the scientist has applied:
- (b) Particulars of any other assignment or job held or likely to be held during the tenure of the proposed research project:
- 16 (a) Period for which the grant is required for carrying out the investigations:
- (b) Amount of grant required on account of -
- (i) Staff salaries and allowances.
  - (ii) Permanent or capital equipment.
  - (iii) Expendable equipment and supplied.
  - (iv) Travel in the case of field work.

Date:

SIGNATURE.

: 8 :

ENCLOSURE

(SEE COL. 10 OF THE PROFORMA)

Proforma for furnishing the information regarding papers/  
publications etc. published during the preceding 10 years.

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S.No.

Name of the papers/publications  
etc. published.

Name of the journal in which  
published, with the name of  
the society which is the owner  
of the journal.

Year of publication.

Pages nos. of the journal in  
which published.

Names of the Co-authors , if any.

N.B. Reprints of the papers etc. may be  
enclosed, if readily available.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION  
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Meeting:

Dated : 17th October, 77.

Item No. 2(c) To approve the statement of proposals which could not be accepted by the Commission.

Proposals of following colleges have not been accepted under

Rs. 5 lakh scheme:-

Name of the College.	University	Project	Approved cost	Date of order	Reason
L.N. College Bhagwanpur.	Bihar	i) Extension of Lab. Building.	4,93,000/-	22.6.77	Low enrolment.
		ii) F.I.P.			
		iii) Books & Equip.			
Tezpur College Tezpur.	Gauhati	i) Books	32,000/-	19.7.77	-do-
Jaganath Jain College, Jhumtelaiya	Ranchi	i) Extension of teaching accommodation.	Not intimated.	25.7.77	-do-
R.K. Roy Memorial College, Dhanbad	Ranchi	i) Extension of teaching accommodation	6,24,609/-	30.9.77	-do-
		ii) Workshop			
		iii) Books			
		iv) Equipment			

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated : 17th October, 77.

Item No.3 : To approve the statement of grants released after the meeting of the Commission held on 26th September, 1977.

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S.No. Name of the University/College Subject Instalment Amount paid  
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1. Agra University, Agra.

Indo-USSR Cultural exchange Programme. Reimbursement of salary of Russian language teachers. 21,000

Award of Teacher Fellowship to Shri V.S. Chauhan, Lecturer in English, D.B.R. College, Sidhrawalai, Haryana. 4,650.01

Affiliated Colleges

Shri Varshneya College, Aligarh (U.P.) Development of Postgraduate studies during Vth plan. Ist 35,000

-do- -do- Ist 8,000

St. Johns' College, Agra. Development of postgraduate studies during Vth Plan period Release of grant for purchase of equipment. Ist 7,500

-do- -do- Ist 15,000

DEI Radhaswami Educational Institute Agra. -do- 2nd 11,500

-do- -do- 2nd 15,000

p.t.o.

Agra University (Affiliated Colleges) (Contd)

Kishori Raman College, Mathura.	Development of undergraduate educational facilities during Vth Plan period purchase of Library books and Journals.	Ist	20,000
-do-	-do-	Ist	20,000
R.C.A. Girls Degree College, Mathura.	-do-	Ist	7,500
-do-	-do-	,	6,000
R.B.S. College, Agra.	Financial Assistane to teachers for the research / learned work in Humanities and Social Sciences- Payment of grant.		500
Agra College, Agra.	University Grants Commission. . . . . Assistance for the research project entitled "Physiological studies of Soil stress of certain forage crops " by Dr. B.D. Baijal, Agra University, College, Agra.		10,000
K.R. P.G. College, Mathura.	Financial Assistance to Teachers in the univesities and colleges for underta ing minor research proje ts in Science subjects -apyament of Second Instalment of Grant.		1,100.
-do-	-do-		975
St. John's College, Agra.	-fo-		750
Agra College, Agra.	Award of Teacher Fellowship to Shri Ajit Kumar Sharma.		39.
St. John's College, Agra.	Additional Grant for book bank		5,625
St. Bhagwati Devi Jain Girls Degree College, 32, Bhagwati Devi Jain Marg Agra.	Establishment of Book bank		2,813

Agra University (Affiliated Colleges)(Contd)

St. Johns College, Agra.	Additional grant for Book Banks	5,625
Smt. Bhagwati Devi Jain Girls Degree College 32-A, Bhagwati Devi Jain Marg, Agra Cantt.	-do-	4,318
Daudayal Mahila Mahavidyalaya, Firozabad.	-do-	2,250
Kishori Raman College, Mathura.	-do-	8,437
Smt. Bhagwati Devi Jain Girls College, Agra Cantt.	Students aid fund in the colleges	3,500
		2,17082.01

2. Allahabad University

Award of Teacher Fellowship to Sh. K.N. Radhakrishnan Nair, Lecturer in Chemistry DBS College, Nariampara.	4,641.88
University Grants Commission Assistance for the research project entitled Analytical applications of ternary complexes by Dr. Om Prakash (Jr) Allahabad University.	10,000
Programme of Special Assistance to Selected Department of Physics.- Release of On account grant for 77-78	1,40,000
Utilization of services of outstanding retired teachers- payment of grant in respect of Dr. MA Siddiqui.	3,000

Allahabad University (Contd)

Univ ersity Grants Commission Assistance for the research project entitled A systematic chemical biogenetical and pharma- cological investigation and ehemo- taxonomic aspects of chemical componants present in genus classia by Dr. R.D. Tiwari and Dr.(Mrs) Tila Joshi, Allahabad University Release of Grant.	29,000
Award of teacher Fellowship under the Scheme alloCated to the Department of University/Institution of Allahabad Payment of grant for.	16,000
-do-	1,500
Basic grant for the purchase of equipment during the Vth Plan period for the development of Engineering and Tech.	50,000
.. Award of teacher fellowship to Teachers	4,482
-do-	4,000
-do-	3,693
-do-	1,500
-do-	911.4
Payment of salary to staff Shri V.Sen Lecturer in Zoology, appointed as a substitute in place of Shri Paul poters.	8,631
-do-	11,718
-do-	11,718
Payment of salary to Shri RCMital Lecturer in Physics appointed as a substitute.	11,710
<u>Affiliated College</u>	
M.N. Regional Engineering College, Allahabad.	Financial Assistance to teachers in the universities. <span style="float: right;">1,750</span>

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 2,74,255.1
 

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Aligarh University

Junior Research Fellowships in Humanities including Social Sciences payment of fellowship	2,400
-do-	100
-do-	400
-do-	2,400
-do-	400
Establishment of Centre for continuing education sanction of grant for	20,000
University Grants Commission Assistance for the research project entitled Studies on Phytonematodes and their control by Prof. Abrar M. Khan, Department of Botany Aligarh Muslim University, Aligarh- Release of grant .	1,37,000
Award of Teacher Fellowship under the scheme allocated to the A.M.U. Department of Physics, University - Payment of Grant for.	31,500
Award of Teacher Fellowship under the Scheme allocated to the Department of Zoology, University of Aligarh -Payment of grant for.	15,500
Award of Teacher Fellowship to Smt. Namita Singh Lecturer in Chemistry at Tika Ram Kanya Mahavidyalaya, Aligarh.	1, 538.34
Award of Teacher Fellowship to Sh. A.K. Khan Lecturer in Chemistry at Jamia Millia Islamia & Delhi.	4,584.68
University Grants Commission Assistance for the research project entitled A study of microfossils from the shelf region off goa and Kerala.	10,000



Aligarh Muslim University (Contd)

University Grants Commission  
Assistance for the research project  
entitled A study of microfossils from  
the shelf region off Goa and  
Kashmir. 10,000

Financial Assistance to teachers in the  
Universities and colleges for  
Undertaking minor research project  
in Science subjects- Payment of second  
instalment of grant. 500

Fifth plan Development Scheme  
Field work Department of  
History and Political Science. 10,000

Utilisation of services of  
outstanding Retured Teachers- Payment  
of grant in respect of Dr. A.P. Suman. 9,025

-do- 9,025

Purchase of furniture for the building  
of part-time P.G. Diploma course  
in Business Administration. 1,400

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2,65,773.

4. Annamalai University

Award of Fellowship to Sh. P.  
Ramanathan Assistant Prof.  
of Physics, Sri Parmakalyani  
College, Alwarkurichi. 1,600

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1,600

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5. Andhra University

Financial Assitance to Teachers  
in the universities and colleges  
for undertaking minor research. 1,500

Andhra University (Contd)

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Programme of Special Assistance to Selected Departments.- Department of Physics- Release of on account grant regarding.	4,76,000
Junior Research Fellowship in Science/Humanities-enhancement in fellowship value from Rs. 400 to 500 per month approval and sanction-regarding.	1,576
Junior Research Fellowships in Science	1,321
-do-	1,000
-do-	1,000
-do-	1,000
University Grants Commission Assistance for the research project entitled studies on urban meteorology of Visakhapatnam of Prof. V.P. Subrahmanyam Department of Meteorology & Oceanography, Andhra University, Waltair- Fifth Five Year Plan period -Release of 3rd Instalment of grant.	5,500
Programme of Special Assistance to Selected Departments- Department of Geology-release of on account grant regarding.	2,15,000
Andhra University-Establishment of Three Study Centres- during IVth Plan period- payment of Grant - regarding.	50,000
Allocation of Unassigned grant for the year 1976-77 release of 2nd final instalment-regarding.	11,015
-do-	6,000
Programme of Special Assistance to Selected Departments Department of Botany.- release of on account grant-regarding	1,73,000

Andhra University (Contd)

Renovation of Chemistry Laboratory during Vth Plan period- release of First Instalment- regarding.	50,000
Junior Research Fellowships in Humanities including Social Sciences payment of fellowship	2,400
Junior Research Fellowships in Humanities including Social Sciences in Engineering & Tech. Payment of - instalment	400
Research Fellowships in Humanities including Social Sciences in Payment of Fello ships	2,400
-do-	2,400
do-	2,400
do-	2,400
do-	3,280
do-	2,400
-do-	3,000
-do-	2,400
-do-	2,400
Award of teacher fellowship to P. Suryanarayana Murthy Lecturer in Chemistry at S.R.V.R. S.J. B.M. R. College, Peddapuram.	1,500
-do-	3,636
-do-	13,527
-do-	1,647
-do-	3,557
-do-	1,661
-do-	13,50

Andhra University

Award of Teacher Fellowship to Sh. S. Sriramulu, Lecturer in English at Amal College Anakapali.	13,50
-do-	3,818,00
-do-	199,36
Financial assistance to teachers in Universities and colleges for undertaking minor research projects in Sciences subjects -payment of Second instalment of grant.	2,275
-do-	1,500
-do-	2,150
-do-	1,250
Payment of Salary to Dr. Devarjulu Naidu, Lecturer in Zoology.	11,487

Affiliated Colleges.

S.R.V.B.S.J.B. Maha Ranee College, Peddapuram.	-do-	10,565
Baptala College, Vth Five year Plan- Improvement of Arts and Sc. of undergraduate educational facilities in affiliated colleges.		10,000
Baptala Andhra Pradesh		
Hindu College, Guntur.	Utilisation of services of outstanding retired teachers payment of grant in respect of Shri O.N. Mastri.	3,750
Govt. College, Waltair.	Financial assistance to college for the development of play field and purchase of accessories for games and sports in colleges during Vth Plan period.	10,000
Montessori Mahila Kalasala, Vijayawada.	-do-	12,000

Andhra University (Affiliated Colleges).(Contd)

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Budhavaram.	VKR College, Financial Assistance to college for the developmnet of play fields & purchase of accessories for games and sports in colleges during Vth Plan period.	10,000
P R.Govt. College, Waltair.	-do-	10,000
C.B.College, Chilakalurapet Guntur.	-do-	10,000
Kakaraparti Bhavanarayana College, Vijayawada.	Improvement of under graduate education facilities during Vth Plan period- additional allocation for	1,02,000
VSM College, Ramachandrapuram.	Soil Health Care workers programmes release of grant -regarding.	10,000
DNR College, Bhivavaram.	Financial Assistance to teachers in universities and colleges for undertaking minor research.	750
-do-	-do-	1,000
Maharajah's Collge for Women, Vijianagram.	Teacher Fellowship Programme in department of Physics - Andhra Unive r. Special Assistane programme- payment of substitute.	8,384
SRV BSJB Maharanee Collge, Poddapuram.	-do-	8,023
Montessori Mahila Kalasala Vijayawada.	Setting up of Book Bank	2,500
Andhra Lyoll College, Vijayawada.	Grants towards the loan of books to students.	7,500
Maharaja's College, Vizianagram.	-do-	2,054

Andhra University (Affiliated Colleges)(Contd)

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Eankapalli Bullayya College, Vishakhapatnam.	Students aid fund in the colleges.	500
Mrs. A.V.N. College, Visakhapatnam.	-do-	1,953

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12,89,005.36

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6. A. P. Singh University.

Affiliated colleges

Govt. Collge, Rewa.	Students aid fund in the colleges	1,832
-do-	Award of Teachers fellowship to Shri R.A. Gautam, Lecturer in Zoology, Govt. Girls College.	1,500
-do-	Grants to affiliated colleges for the improvement of under- graduate facilities during Vth plan period-purchase of library books & Laboratory equipment.	45,000
Maharaja College, Chatarpur.	Grants to affiliated colleges	3,000
Govt, College, Tikagarh .	Re-imbursment of additional Students Aid fund	70

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51,402

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7. Avadh University (Affiliated Colleges)

T.N. Degree College, Tanda.	Development of undergraduate education-purchase of books	8,000
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Avadh University (Contd) Affiliated Colleges

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T.N. Degree College, Tanda.	Development of undergraduate Education,	4,000
K.S. Saket R Mahavidyalaya, Faizabad.	Purchase of equipment	50,000
-do-	Purchase of Journals	30,000
BB Das Degree College, Puria Ashram, Faizabad.	Payment of Salary to Shri Deo Narain Mishra.	7,269
Kishan Degre College, Bahraich	Construction of Teaching Accommodation.	11,000
M.M.M.U. Maha- vidyalaya, . . Kalakankar.	Financial Assistance to the college for the development of play fields . . and purchase of accessories for games and sports during Vth Period.	3,750
K.N. Institute of Science and Technology, Sultanpur.	Financial Assistance to teachers in the univ.	1,250
T.N.Degree College, Tanda.	Financial Assistance to the college for the development of play fields and purchase of accessories for games and sports during the Vth Plan period.	6,000
8.		1,21,269

8. Banqalore University.

Financial Assistance to  
teachers in the universities  
and colleges for undertaking  
minor research projects in  
Sciences subjects-payment  
of Second instalment of grant. 3,500

Bangalore University (Contd)

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Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science subjects payment of Second instalment of grant.	1,250
Award of teacher Fellowship to Shri M. Ranganathan, Lecturer in Commerce, Visvodya College, Venkatagiri team.	5,667
-do-	135.74
-do-	70
Junior Research Fellowships in Humanities including Social Sciences. payment of Fellowships	2,400
-do-	2,400
University Grants Commission Assistance for the research proj. entitled (i) stability and conducting and non- conducting Flows (ii) Raves in a conducting fluid Incomprechessible andcomprehensible (iii) Flow problem including Lubrication Problems of Dr. N. Rudraiah.	12,200
Financial Assistance to teachers in the Universities and colleges for undertaking minor research projects in Science subjects payment of Second instalment of grant.	1,000
-do-	1,000
-do-	3,000
Grant to College for Liboratory equipment-4th Plan period.	4,000

Affiliated Colleges .

Acharya Pathasala College of Arts Commerce and Sc. NR Colony, Bangalore.	Financial Assistance to colleges	10,000
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Bangalore University  
 ----- (Contd)

Affiliated Colleges

V.College of Arts and Sce. & Commerce college KR Road, Bangalore.	Financial assistance to colleges	15,000
SJR College of Science & Arts, Bangalore.	Grants towards the loan of Books	7,500
		69,122.74

9. Banaras Hindu University

Award of Teacher Fellowship under the Scheme allocated to the Department of Botany University of BHU payment of grant for.	20,000
Award of teacher Fellowship scheme allocated to the Deptt of University /Instituteion of BHU payment of grant for.	22,000
-do-	1,363
-do-	1,644
-do-	4,750
-do-	15,000
Junior Research Fellowships in Science -payment of fellowship	100
-do-	100
-do-	100
-do-	2,400
Scholarship for post-graduate studies in Persian	3,000

Banaras Hindu University

------(Contd).

Post graduate scholarship in Sanskrit	3,000
Senior Research Fellowships in Humanities Engineering and Technology - extension in Fellowship- payment of fellowship to Mr. S.K. Srivastava.	3,000
Junior Research Fellowships in Dr. SA. Paramana Extension in Fellowship- payment of fellowship	3,000
Utilisation of services of outstanding retired teachers payment of grant in respect of Dr. H.S. Rathor	9,075
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science subjects payment of second instalment of grant.	1,500
-do-	2,000
-do-	5,000
-do-	3,500
-do-	3,500
-do-	1,250
-do-	1,250
-do-	500

University Grants Commission  
Assistance for the research project  
entitled Molecular Biology  
of Host Virus Relationship of Dr.  
(Mrs) Maharani Chakravorty, Deptt. of  
Biochemistry Institute of Medical  
Sciences, Banaras Hindu University,  
Varanasi- Fifth Five year plan  
period- release of 4th instalment of  
grant, 8,000

Banaras Hindu University  
----- (Contd).

VIIth annual conference of Indian Association of Sports Medicine from 28th to 30th Oct, 77.	3,000
Extension to the Deptt. of Chemical Engineering Building IVth Plan	1,00,000
University Grants Commission Assistance for the research project entitled X a sea ttored have studies of simple molecules Dr. P. Chandra, Dept. of Chemistry, BHU.	12,200
Organisation of seminar/symposia	1,800

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2,32,032

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10. Berhampur University

Financial assistance to teachers in the universities and colleges for undertaking minor research projects in science- payment of grant.	2,500
Award of teacher fellowship to Shri KN Nath Buchi, Lecturer in Economics at Science College, Chhatarpur.	750
-do-	3,500
-do-	3,185
-do-	1,500
-do-	1,500
University Grants Commission Assistance for the research project entitled Search for potential antimebic Agents Synthesis of Novel imidazole derivatives by Dr. G.S. Panda, Department of Cehmistry, Berhampur University - release of gran.	8,300

Berhampur University (Contd)

University Grants Commission  
 Assistance for the research project  
 entitled Search for potential  
 Antimicrobial Agents Synthesis of Novel  
 imidazole derivatives by Dr. G.S.  
 Panda, Department of Chemistry,  
 Berhampur University, Release of grant. 8,300

Affiliated Colleges

College, Rayagada, Rissa.	Purchase of Books and Journals	15,000
Challikote College, Berhampur	Junior Research fellowship in Science.	1,500
KCO College, Barla	Financial Assistance to teachers	3,000
Govt. Womens College, Berhampur.	Students aid fund in the colleges	958
Mikram Deo College, Bypore, Boraput.	Setting up of Book Bank in colleges	1,500
-do-	-do-	4,000
Govt. Women's College, Berhampur;	-do-	1,000

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56,493

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11. Bhagalpur University

Award of teacher fellowship to Smt. Niva Biswas, lecturer in Zoology, Mahila Mahavidyalaya, Bhanbad.	4,416
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-do- 1,500

p.t.o.

Bhagalpur University (Contd)

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Award of teacher fellowship to Shri D.P. Chaudhary, Lecturer in Zoology G.D. College, Begusarai.	3,301.10
-do-	4,427
-do-	4,134
-do-	4,100
-do-	1,482
-do-	1,500
-do-	1,416
-do-	4,047
-do-	4,100

Financial Assistance to Teachers in  
the Universities and colleges  
for undertaking minor research  
projects in Science subjects-  
payment of grant. 375

Financial assistance to  
colleges under Student welfare programme  
for development of Play fields and  
purchase of accessories for games and  
sports. 7,000

-do-	10,000
-do-	15,000
-do-	10,700

Affiliated Colleges.

Ramadhia College, Setting up of Book bank in the colleges  
Sheikhpura during the fifth plan period, 1,500  
Monghyr,  
Bihar.

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78,998.

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Bhopal University

Establishment of Printing Press	10,000
Recurring grant for teaching staff Department of School of Biological Sciences during the Fifth Five year Plan for the year 77-78.	30,000
Recurring grant for the teaching staff department of Humanities during the 5th Plan period.	20,000
Establishment of Study Centre - sanction of grant for books and journals.	10,000
Award of Teacher Fellowship to Smt. Snehlata Srivastava Lecturer in Economics at MEB College, Bhopal.	1,300

Affiliated Colleges.

College of Education, Bhopal.	Grants to affiliated colleges basic grant 493 for the purchase of library books and journals - Sanction of the final instalment of grant.	
Mulana Azad College of Technology Bhopal.	JRF in fellowships	1,100
		72,893

Bihar University

Allocation of unassigned grant for the year 1977-78 (excluding University Grants Commission Unit.	15,000
Utilisation of services of outstanding retired teachers payment of grant in respect of Dr. S.S. A. Hussain.	9,075
Award of teacher fellowship to Sh. Mahesh Singh, Lecturer in Philosophy HD Jain College.	4,174

p.t.o.

Bihar University (Contd)

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Award of Teacer Fellowship to  
Shri K.P. Singh, Lecturer in Zoology. 4,000

-do- 1,434

Financial assistance to colleges under  
students Welfare Programme for development  
of play fields and purchase of accessories  
for games and sports. 14,342

-do- 14,000

-do- 15,000

-do- 10,000

-do- 10,000

-do- 10,000

-do- 2,50,000

Affiliated Colleges.

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DAV College, Siwan, Financial Assistance during the  
Vth Plan period for development scheme  
construction of Additional Teaching  
Accommodation. 50,000

-do- -do- 30,000

R. Coll ge, Chapra, Bihar, -do- 35,000

-do- -do- 25,000

Research Institute of Prakrit, Jainology  
and Ahims Vaishali,  
Distt . Mujaffarpur, Bihar. P.G. studies in prakrit. 3,000

M.S. College, Motihar, Financial Assistance to Teachers in the  
university and colleges 3,575

Bihar University (Contd)

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Affiliated Colleges.

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M.S. College, Motihari.	Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	1,575
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R.College, Chapra.	-do-	1,900
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L.S. College, Muzaffarpur.	-do-	500
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-do- A	A ward to teacher for fellowship.	4,141
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-do-	Junior Research Fellowships in Science /Humanities - Extension of Fellowship tenure -payment of Fellowship	3,000
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R.College, Shetkhpura Bihar.	Students aid fund in the colleges	1,098
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Brij Mohan Das College, Dayalpur, Bihar.	Students aid fund in the colleges	1,500
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5,17,314

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14. Bombay University

Award of Teacher Fellowship under the FIP allocated to the Department of University	4,500
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Collge Science Improvement Programme- University Leadership Project in Physics- University of Bombay.	1,50,000
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Research Associateship in Sc. payment of fellowship in con- tingency grant.	16,300
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University of Bombay (Contd)

	Utilisation of services of outstanding retired teachers. payment of grant in respect of Dr. V.M. Kulkarni.	2,000
	-do -	2,000
	Payment of salary to Shri Jayant Wad Lecturer in Chemistry appointed in place of Miss Geema Vaz.	6,667.10
<u>Affiliated Colleges</u>		
St. Xaviers College, Bombay.	Fifth Five Year plan allocation of funds.	2,50,000
-do-	College Science Improvement programme- Selected Colleges Project- Grant in aid.	1,80,000
Institute of Science Bombay.	Award of Teacher Fellowship to Sh. Jagdish Chandra Majumdar Lecturer in Chemistry	3,330
S. College for Women Bhullabhai Desai Road, Bombay.	Science improvement programme	46,463
R.R. College, Bombay.	Students Aid fund in the Colleges	7,500
RA Podar College of Commerce & Economics Bombay.	-do-	1,724
Smt. Porvatibai College of Cultural foundation and College of Arts and Science. Mangao (Goa).	-do-	3,500
Commerce and Economics Development Scheme, Bombay.	-do-	7,500

Bombay University (Affiliated Colleges ) (Contd)

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Dr. Datar Science	Setting up of Book Bank	1,000
Dr. Behare Arts		
College Chiplum		
Ratnagiri.		
		6,82,484.10
		6,82,484.10

15. Bundelkhand University.

Affiliated Colleges.

Pt. J.L. N. College,	Financial assistance to	
Ba: .	the college for the	
	development of play fields and	
	purchase of accessories for	
	games and sports during Vth Plan	14,500
	period.	
		14,500
		14,500

16. Burdwan University,  
West Bengal.

Junior Research Fellowship in		
Science- Contingency grant		
payment of		1,500
Grant in aid - Use of outstation		
research facilities Vth Plan scheme	20,000	
Utilisation of services of		
outstanding retired teachers		
payment of grant in respect of		
Professor N.L. Ghosh.		3,000
Award of Teacher Fellowship		
in the Department of Zoology.		
to Shri Andi Prasad Nandi.		3,308
Award of Teacher Fellowship		
		3,117

University of Burdwan (Contd)

University Grants Commission Assistance for the research project entitled Bioconetical studies on Nematodeses of some animals and man in six ecotones of West Bengal, By Dr. G. Majumdar, Department of Zoology, Burdwan University- Release of of grant.	9,800
Junior Research Fellowships in Science payment of Fellowship	400
Award of Teacher Fellowship to Shri SN. Mukherjee, Lecturer in Commerce, Katwa College, Katwa.	3,200
Grant in aid towards the purchase of Library Books and Journals Vth Plan Development Schemes Humanities & Social Science.	1,00,000
Release of grant for construction of additional teaching accommodation under 5th scheme	10,000
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects- payment of Second instalment of grant.	1,000
-do-	750
-do-	1,200
-do-	2,500

1,59,700

17. University of Calicut.

Grant in aid for the purchase of equipment for science faculty Vth Plan period.	2,99,000
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University of Calicut (Contd)

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Air Conditioning of manuscript Section and sound recording apparatus.	25,000
Grant in aid towards publication	35,000
Grant in aid for the purchase of BOOKS and JOURNALS (humanities) and Central Library Vth Plan period.	4,05,000
Writing of book on quantum Mechanics under the supervision of Dr. V.K. Thankaapan.	2,400
Grant in aid for the purchase of books and Journals for Science faculty	6,00,000
Utiliation of services of outstanding retired teachers payment of Grant in respect of Professor PS Krishnan.	2,000

Affiliated Colleges.

Govt. Sanskrit College, Patiambi.	-do-	4,652
Mercy College, Palghat.	Improvement of Under graduate education facilities.	-
Govt. Training College, Telicherry. Kerala.	Assistance to Teachers Training College during Vth Plan period.	25,000
Vimal College, Trichur.	Improvement of undergraduate Educational facilities.	10,000
Nirmalgiri College, Kerala.	Financial assistane to Colleges	20,000
Govt. KKTU College, Pullut Kerala.	Financial assistance to teachers	1,000
		n.t.o.

Calicut University (Contd)  
Affiliated Colleges.

St. Joseph's college Irinjalaakuda Kerala.	Students aid fund in the colleges	4,500
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14,33,552

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18. Calcutta University

Support for advanced Research in Humanities and Social Sciences.	10,000
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University Grants Commission Assistance for the research project entitled Production of deogenin by tissue culture of colnes, mutant and hydrids of dioscorea deltoidea and other species for support for Science Research in the University (UGC) Release of grant.	44,900
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-do-	29,600
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-do-	4,800
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Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects payment of Second instalment of grant.	5,000
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-do-	4,800
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-do-	6,400
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-do-	2,000
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Award of Teacher Fellowship under the Faculty improvement programme allo ated to the Department of Political Science University of Calcutta. payment of grant for	3,000
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Calcutta University (Contd)

Award of Teacher Fellowship under the F.I.P. allocated to the Department of History University of Calcutta Payment of grant for.	1,100
-do-	13,000
-do-	4,631
-do-	4,416
-do-	3,004
-do-	4,625
-do-	4,588
-do-	3,250
Senior Research Fellowships in Science -Payment of contingency grant.	2,000
-do-	1,500
University Grants Commission Assistance for the research project entitled High Field Surface Carrier Mobility In Semiconductors of Prof. B.R. Nag, Institute of Radio Physics and Electronic University of Calcutta, Calcutta Fifth Five Year Plan period.	7,120
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science subjects payment of Second instalment of grant.	1,260
-do-	1,000
-do-	2,000
-do-	2,000

Calcutta University(Contd)

Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science subject- payment of Second instalment of grant.

	1,750
-do-	2 000
-do-	2,250
-do-	2,250
-do-	2,000
-do-	1,750
-do-	4,105
-do-	2,250
-do-	2,325
-do-	3,250
-do-	1,000

A-ffiliated Colleges.

Vivekananda Centenary College, P-- Rahra, Distt. 24 Pargana West Bengal.	Financial assistance for the purchase of lab equipment	1,05,000
-do-	-do- Books & Jounals	37,000
PKHN College, Howrah, West Bengal.	Payment of salary to staff	11,200
Shri Shikahayatan College, Lord Sinha Raoad, Calcutta.	-do-	1,640
Gurdas College, Calcutta.	Financial Assistance to Teachers for research l arned work in Humanities and Social Sciences payment of second instalment	250

Calcutta University (Affiliated Colleges)(Contd)

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Indian Institute of Experimental Medicine, 4, Raja S.C. Mallick Road, Jadavpur Calcutta.	Award of Teacher Fellowship to Shri R.R. Sinha Lecturer in Chemistry, Sripat Singh College, Murshidabad.	3,435
Indian Association for the cultivation of Science Jadavpur Calcutta.	-do-	403,26
Maharaja Bir Bikram College, Agartala.	Financial Assistance to teachers for research learned work in Humanities and social sciences -payment of second instalment of grant.	1,250
Presidency College, Calcutta.	University Grants Commission Assistance for the research project entitled evaluation of the precambrian belt of North Singhbhum etc. under Dr. A.K Banerjee. Department of Geology, Presidency College, Calcutta.	9,600
BMR College, 24 Pargana West Bengal.	Book bank	2,500
-do-	-do-	7,500
Umesh Chandra College, 13, Surya Sen Mirazapur Street, Calcutta.	-do-	6,500
Yogoda Sat Satsanga Palpara Mahavidyalaya, Palpara, Distt. Midnapore West Bengal.	Students aid fund in the colleges.	3,500



Calcutta University (Affiliated Colleges) (Contd)

Umeshchandra College, 13, Surya Sen Mirzapore Street Calcutta 12. West Bengal.	Students aid fund in the colleges sanction of grant	5,000
Vivekananda College for Women, Barisha- Calcutta-8 West Bengal.	Students aid fund in the college	2,485
-do-	-do-	3,500
St. Xavosres College, Calcutta. West Bengal.	-do-	10,000
Vivekananda College, Thakurpur, Calcutta.	-do-	5,590

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4,07,277

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19. University of Cochin.

Award of Teacher Fellowship to EC Joy, Eecturer in Physics, Bharata Mata College, Cochin,	1,858
Writing of University level books	1,800
Award of Research Fellowship	1,00,000
	<hr/> 1,03,658 <hr/>

20. Chandra Shekhar  
Azad University of  
Agricultural Tech.

Utilisation of Services of retired teachers	9,000
Utilisation of Services of retired teachers.	<hr/> 11,500 <hr/> 20,500

21. Delhi University

Award of Teacher Fellowship to Shri Rakesh Diggwal Lecturer in Chemsitry at Govt. RR College Alwar.	3,685.48
Award of teacher Fellowship to Shri V.K. Sachdeval Lecturer in Physics at DSD College, Gurgaon	440.31
Award of Teacher Fellowship to Smt. Rhilone Phizo Lecturer in Education.	1,596
-do-	1,625
-do-3	3,178
-do-	3,129
-do-	3,201,63
-do-	6,064.52
Junior Research Fellowship in Humanities including Social Sciences and Tech. payment of Fellowship	400
University Grants Commission Assistance for the Research project entitled studies on the Taxonomy, Zoogeography and Evolution of oriental Inheneumonidae Parasitic Hymenoptera of Dr. V.K. upta, Department of Zoology, University of Delhi, Delhi Fifth Five year plan period - release of 4th instalment of a grant.	20,000
Centre of Advanced Study in Sociology including North Eastern Hill Univer Release of grant.	1,50,000
Junior Research Fellowship in Science Humanities-enhancement in fellowship value from Rs. 400 to Rs. 500 per month approval and sanction regarding	1,574
University Grants Commission Assistance for the research project entitled "The Chemistry of some metal chelate compounds of Prof. R.P. Singh.	3,400

Delhi University (Contd)

Financial Assistance to teachers in the Universities and colleges for undertaking minor research project in Science subjects - payment of Second instalment of grant.	1,500
-do-	1,600
University grants commission Assistance for the research project entitled Genetical and Behavioural Variability in Khesus Monkeys living under Different Ecological conditions of Dr. P.K. Seth, Department of Anthropology, University of Delhi.	14,000
Support for advanced Research in the Humanities and Social Sciences.	20,000
University Grants Commission Assistance for the research project entitled studies on Ferroelectric crystals doped with paramagnetic impurities by Dr. S. Lahiry, Department of Chemistry, Delhi University Release of grant.	6,800
Research Associateship in Science Humanities including social Sciences payment of difference of Associateship @ Rs. 400	900
Award of scholarship for full time LLm course.	3,000
Additional teaching non teaching posts for development of Management studies payment of grant.	9,937
<u>Affiliated Colleges.</u>	
Maitryi College, Purchase of an electric calculator New Delhi.	1,000
Kirorimal College, Post Graduate scholarship in Sanskrit Delhi.	3,000
Ram Lal College, Rectification of defects in and finishing of the existing building. Anand Niketan Marg, New Delhi.	50,000

Delhi University (Affiliated colleges) (Contd)

Miranda House, Patel Chest Marge, Delhi.	Miranda House- Special repairs to the teaching block	10,000
P.G.D.A.V. College, Nehru Nagar, Ring Road, New Delhi.	Grants to affiliated colleges of Delhi University for loans for books to students- setting up of Book Bank for 76-77	373
D.R. College, 4, Patel Mara. Delhi.. .	Financial assistance to teachers for research/learned work in humanities and social sciences payment of Second instalment	2,500
V.P. Chest Institute, Delhi University, Delhi.	University Grants Commission Assistance for the research project	18,000
Delhi School of of Social Sc. and Social work University of Delhi. Delhi.	construction of 4 quarters for Readers and 6 quarters for IVth class.	1,00, 000
Hamdard College, of Pharmacy, Madangir. New Delhi.	Purchase of Laboratory equipment	1,00,000
Hansraj Collece, Delhi.	Special repairs and renovation of auditorium	10,000
School of corres- pondence courses and continuing education. University of Delhi.	Financial assistance to teachers	500
National Physical Laboratory, New Delhi.	Research Fellowships in Science	400
Hamdard College of Pharmacy, Madangir New Delhi.	Purchase of Library Books	35,000

Delhi University (Affiliated Colleges)(Contd)

PGDAV college, Nehru Nagar, Ring Road, New Delhi.	Grant for the purchase of library books	2,800
Rajdhani College, Raja Garden, New Delhi.	Construction of College Building.	1,50,000
BGTD Khalsa College, Day Classess University of Delhi.	Construction of college building	1,50,000
Shyama Prasad Mukherjee College, New Delhi.	-do-	2,00,000
Rajdhani College, Raja Garden, New Delhi.	-do-	1,50,000
		12,39,603

22, Dibrugarh University

Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects payment of Second instalment of grant.	1,500
Construction of building for the department of Physics 4th Plan scheme.	50,000
Junior Research Fellowship in Sciences payment of contingency grant	1,500
Financial assistance to colleges under Student welfare programme for development of play fields and purchase of accessories for games.	7,500
	60,500

23. Gauhati University

Allocation of unassigned grant for the year 77-78 payment of un-assigned grant and UGC unit- 1st instalment	25,000
-do-	30,000
Grant in aid towards field training work in Geology, Geo Physicas and applied Geology- 5th plan period	6,000
Construction of Four Assam Type Hostels- Three Men's Hostel and one Women's Hostel- 3rd plan scheme	21,128
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects Payment of Second instalment	2,000
Award of Teacher Fellowship to GC Medhi, Lecturer in Education	404,61
-do-	48.00
Utilisation of services of outstanding retired teachers- payment of grant in respect of Dr. V.V. Rao.	16,564
Purchase of books and Journals	50,000
Construction of Additional teaching accommodation during Vth Plan period	40,000

Affiliated Colleges

Cotton College, Gauhati.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science subjects	1,500
Nalbari College Kamrup Assam.	Construction of Womens Hostel during Vth Plan period.	25,000
Rabindra Sadan Girls College, Karimganj, Assam.	Students Aid Fund in the colleges.	780

Gauhati University (Affiliated Colleges ) (Cohtd)

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Mangaldai College, Students aid fund in the colleges Mangaldai. 2,000

G.P. Womens College, Imphal, Book Bank- sett-ing up of 3,750

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2,24,174

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24. G.B. Pant University of Agriculture & Technology, Pantnagar.

Writing of University level books 2,940

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2,940

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25. Gorakhpur University

Award of teacher fellowship to Sh Ram Avadh, Lecturer in Geography. K.S. Sakat college, Faizabad. 3,500

-do- 4,229

-do- 3,411

-do- 313.2

Financial Assistance to teachers in the uni ersities and colleges for undertaking minor research projects in Science subjects. payment of Second Instalment of Second instalment of grant 2,000

University Grants Commission Assistance for the research project entitled Studies on mode of ingestion and physiology of digestion of certain Phytophagous, varnivorous insects by Dr. G.S. Shukla, Department o Zoology, Gorakhpur. 4,800

University of Gorakhpur ,(Contd)

Junior Research Fellowships  
in Scinece.-- payment of Fellowship 400

University Grants Commission  
Assistance for the research project  
entitled Theremodynamic studies  
on Membrane Phemomena of Prof. R.P.  
Rastogi, Head of the Department of  
Chemistry, Gorakhpur University,  
Gorakhpur- Fifth Five- year Plan  
period- release of 4th instalment  
of grant. 17,000

Construction of building under  
studentsamainties programme during  
fifth plan period. 20,000

Grant for purchase of books  
and hournals - Development of  
undergraduate education during  
fifth plan period. 15,000

Grant for purchase of books and  
Journals - Development of Under  
graduate education during Fifth  
plan period 38,000

Grant for purchase of Books and  
journals - Development of under-  
graduate education during Fifth plan  
period. 20,000

Grant for purchase of books and  
journals - Development of  
undergraduate education during  
the fifth plan period. 18,000

Affiliated College.

K.N. Government Postgraduate  
College,  
Gaynpur,  
Varanasi. Grant for purchase of books 30,000

S.M.R. Das Mahavidyalaya,  
Ghazipur. -do- 10,000



Gorakhpur University (Contd)

Affiliated Colleges.

S.M.R. Das Mahavidyalaya, Ghazipur.	Grant for purchase of books & journals	10,000
St. Andrew's College, Gorakhpur.	Grant for purchase of books & journals Development of postgraduate studies in Science during Fifth plan period (Development of Department of Mathematics.	15,000
Janta Degree College, Azamgarh.	Grant for purchase of books and journals- Development of undergraduate education during Vth plan period.	20,000
Swami Dayanand Degree College, Mathlar, Deoria	Grant for purchase of books and Journals Development of undergraduate education during fifth plan period.	20,000
St. Andrew's College, Gorakhpur. Uttar Pradesh.	-do-	10,000
Swami Dayanand Degree College, Mathlar, Deoria.	-do-	10,000
St. Andrew's College, Gorakhpur. Uttar Pradesh.	-do-	22,500
S.M.R. Das Mahavidyalay P.O. Bhukumas Ghazipur.	-do-	3,000
K.N. Govt. P.G. College, Gwhmour, Varanasi.	-do-	20,000
S.S.S. Vidyapith Degree College, Ghazipur, U.P.	-do-	9,000

Gorakhpur University (Affiliated Colleges) Contd.

Digvijai Nath Degree College, Gorakhpur.	Grant for purchase of equipment Development of undergraduate education during fifth plan period.	8,000
Budha Vidyapith Dgree College, Basti.	Grant for the purchase of equipment - Development of undergraduate education during the Fifth Plan period.	6,000
Kooba Mahavidya- laya, Dariyapur, Newada Axamgarh, U.P.	-do-	9,000
Shivapati Degree College, Basti.	Construction of Mens Hostel for 44 students.	15,000
St. Andrew's College, Gorakhpur.	Financial assistance to the college for the development of play fields and purchase of accessories for games and sports during Vth pland period.	13,000
Budha Vidyapith Degree College, Naugarh, Basti.	Construction of lib. building	40,000
K.S.S. College, Faizabad.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Scie ce subjects. Payment of Second instalment of grant.	1,300
Janta Degree College, Ranipur, Azamgarh.	Students aid fund in the colleges.	2,000
Shri Gahdhi Degree College, Maltari, Azamgarh.	-do-	3,500

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 4,23,953.20
 

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26 : G. B. Pant University  
of Agriculture & Technology,  
Pantnagar,  
U.P.

Writing of University level books	2,940
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	2,940
	<hr/>

27. Gujarat University  
Ahmedabad.

Junior Research Fellowship in Science/ Humanities (Including Social Sciences) Release of 2nd instalment grant.	33,000
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Restructuring of University Courses at Degree Level Fifth five year plan period.	16,500
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Utilisation of services of outstanding retired teachers - payment of grant in respect of Dr. MAH Farouqi.	2,000
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Grant to affiliated colleges for the development of facilities at the undergraduate level under Rs. 5 lakhs allocation during Vth plan period- Extension of library building 2nd instalment of grant.	40,000
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Grant to affiliated colleges for the purchase of books and journals and library equipment under Rs. 5 lakhs Scheme allocation during Vth plan	20,000
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Grants to affiliated Colleges, for the purchase of library books and journals under Rs. 5 lakhs allocation during Vth Plan period.	15,000
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Grant to affiliated colleges for the purchase of books and journals	15,000
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p.t.o.

Affiliated Colleges (Gujarat University) (Contd)

Kamani Science College and Pratap Rai Arts College Amreli Gujarat.	Payment of salary to staff.	1,934
L.D. Instt of Indology, Ahmedabad.	Award of Teacher Fellowships	3,453
St. Xavier's College, Ahmedabad.	College Science improvement programme- Selected colleges project Grant in aid.	50,000
Shri G.N. Patel Partikuiwala Arts College and D.N. Science College Dabhoi. Gujarat State.	Grants to affiliated colleges.	3,250.
NC Bodiwala Commerce College, Kalupur Ahmedabad.	Grants to affiliated colleges	3,000
Shree H K Arts College, R.C. Road Ahmedabad.	-do-	3,000
Smt. Sadguna C.U. Arts College for girls Lal Darwaja Ahmedabad.	Students aid fund in the colleges grant for 77-78	5,000
Shri B.D. Shah College, of Education Modasa.	-do-	600
HA College of Commerce Hills Bridge Ahmedabad.	-do-	4,500
Shri Gang Shikshan Mahavidyalaya, Bilimos Bulsar.	-do-	968
S.K.M. Law College, Gujarat.	d-o-	1,060

Gujarat University (Contd)  
Affiliated Colleges.

Navgujarat Vaniyya Mahavidyalaya, Ahmednagar.	Students aid fund in the colleges.	5,000
Shree R.P.Ananda College of Education Borsad, Gujarat.	-do-	1,078
		2,24,344

28. Guru Nanak Dev University

Senior Research Fellowships in Sciences - payment of Fellowship	400
Award of teacher fellowship to Shri Jagdish Mitter Sharma, Lecturer in Chemistry Govt. College Gurdaspur.	4,347
Award of teacher Fellowship under the Faculty improvement programme allotted to the department of Chemistry university/Inst. of G.N.D. University.	6,330
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects - payment of Second instalment of grant	1,500
Grant for purchase of books and journals under Fifth plan Development scheme.	5,00,000

Affiliated Colleges

R.College, Jullundur.	Development of Post- graduate education- Vth Plan purchase of library books and journals.	20,000
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G.N.D. University (Contd)Affiliated colleges

Doaba College, Jullundur.	Development of Post-graduate education- Vth plan purchase of library books and journals	20,000
S.L. Bawa D.A.V. College, Batala.	Vth plan purchase of books	30,000
DAV College, Jullundur	College Humanities and Social Sciences Improvement programme	70,000
Baring Union Christian College, Batala.	Payment of salary to staff	11,375
DAV College for Women, Amritsar, Panjab.	Students aid fund	76,000
RR Bawa DAV College for Girls Batala.	Improvement of undergraduate education	10,000
-do-	-do-	12,000
-do-	-do-	6,000
-do-	-do-	50,000
DAV College, Jullundur.		
-do-	-do-	10,000
-do-	-do-	20,000
Kamla Nehru College for Women, Phagwara.	Financial Assistance to colleges for the development of play fields and purchase of accessories for games and sports.	8,500
R.R. Bawa D.A.V. College, Batala.	Students aid fund in the colleges	3,500
Mata Ganga Girls College, Amritsar.	-do-	2,000
		<hr/> 8,62,052 <hr/>

29: HIMACHAL PRADESH UNIVERSITY

	Junior Research Fellowships in Science.		2,400
<u>Affiliated Colleges</u>			
G.G.D. College, Baijnath	Students aid fund	final	1,875
Govt. College of Education Dharmshala.	-do-	Final	66.70
Govt. college, Kulu	Students Aid Fund		2,000
			Total: 6,341.70

30: INDORE UNIVERSITY

	Financial Assistance to Universities for Development of Teachers Education and Research-Purchase of Equipment		15,000
	Construction of Library Building		50,000
<u>AFFILIATED COLLEGES</u>			
Shri G.S. Instt. of Technology & Science, Indore.	Award of Teacher Fellowship to Sh.Ghayasuddin Ahmed, Lecturer in Mathematics at Motilal Vigyan Mahavidyalaya, Bhopal.		3,346.71
Indore School of Social Work Indore.	Grants to affiliated colleges for the implementation of NSS in the School		25,000
Govt. Degree college, Mhow	Grants to affiliated colleges for the improvement of undergraduate facilities during Vth plan period.		20,000
Holkar Science college, Indore	Improvement of undergraduate facilities during Vth plan period Purchase of Library books & Journals Laboratory equipment.	2nd	10,000
	Rsearch Fellowships in Engineering and Technology		1,000
			Total: 1,24,346.71

JABALPUR UNIVERSITY

Establishment of Students Aid Fund	4,436
Establishment of Students Aid Fund	9,871
Financial Assistance for the establishment of Printing Press.	1,10,000
Allocation of grant for UGC Unit.	5,000

AFFILIATED COLLEGES

Govt. Tilak college, Katni.	Financial Assistance to affiliated colleges for the expansion of Book-Bank	5,000
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Govt. Mahasidal Arts Mahavidyalaya, Jabalpur.	Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	1,000
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Total: 1,35,307

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ADAVPUR UNIVERSITY

Award of Teacher Fellowship under the scheme allocated to the Deptt. of Philosophy University/Institute of Jabalpur	Payment of grant for	17,000
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<del>do</del> Geology	5,000
<del>do</del> Chemistry	5,800

Award of Teacher Fellowship to Sh. Rabindra Nath Tarafdar, Lecturer in Chemistry at B.B. College, Asansol	4,652.80
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Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	1,500
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Research Fellowships in Engineering & Technology	2,088.17
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Total: 36,040.97

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JADAVPUR UNIVERSITY CONTD.

Writing of University level books/monographs.	2,000
do	84-9
do	750
Organisation of Seminar/Symposia during 1977-78	16,302
Allocation of grant for UGC Unit (Unassigned grant)	12,000
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Total:	31,136
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33. UNIVERSITY OF JAMMU

Junior Research Fellowship in Science.	1,500
Construction of Library Bldg. during Fifth Plan period	2,00,000
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science Subjects. Final	1,000
Award of Fellowships sanctioned for the fifth plan period under Development Schemes	35,000
Award of Fellowships sanctioned for the Fifth plan period under Development Scheme.	35,000
Construction of Bio-Science Building during V th plan.	1,50,000
Construction of Law Block	1,00,000
University Grants Commission Assistance for the research project entitled 'Magnetic and spectral studies of complexes of copper with and O2 donors.	19,800
do	8,300

AFFILIATED COLLEGES

Govt. G.M.Science college, Jammu	Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science Subjects.	1,500
	Total:	5,52,100
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4. JAWAHARLAL NEHRU UNIVERSITY

Award of Teacher Fellowship to Shri Ram Gopal Singh, Lec. in Sociology.	4,599-47
Award of Teacher Fellowship to Shri J.P. Singh, Lecturer in Sociology, at B.N.college.	4,640-30
Award of Teacher Fellowship to Smt. Shikha Mukherjee, Lec. in History at Ram Mohan college	4,541-67
Award of Teacher Fellowship to Sh.D.K. Mishra, Lec. in Geography at Ravenshaw college, Cuttack	4,604-85
Award of Teacher Fellowship to Sh.Ramesh Chand, Lec. in Geography at P.P.N. College, Kanpur	4,588-71
Award of Teacher Fellowship to Under the Faculty Improvement Programme of the UGC	273-50
do	4,589-30
do	1,625
Research Associateship in Science/Humanities including Social Sciences.	1,000
do	10,800
Research Associateship in Science Humanities including Social Science	2,700
do	1,200
Const. of Award of Animal House for the School of Life Sciences in JUNU Campus.	40,689
University Grants Commission Assistance for the research project entitled 'Utilisation of haploids for improvement of economically important plants	90,200
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects. Final	2,400

contd.

JAWAHARLAL NEHRU UNIVERSITY

Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	2,400
Junior Research Fellowship in Engineering and Technology	2,400
-do-	2,400
Total:	<u>23,011.00</u>

35. JIWAJI UNIVERSITY

Govt. Chhatarsal Degree college, Shivpuri.	Grants to Affiliated colleges for the establishment of Book Bank scheme during 1976-77.	2nd	500
Govt. Post-Graduate college, Shivpuri	-do-		3,000
Govt. college, Morar.	-do-		10,000
Madhav Instt. of Technology Science, Gwalior	-do-		3,645.11
M. L. B. Arts and Commerce college, Gwalior.	-do-		1,500-
-do-	Award of Teacher Fellowship		213.91
K. R. G. college, Gwalior	Post graduate scholarship in Sanskrit 1977-78 Km. Urmil Dixit		3,000
V. S. Govt. college, Dabra.	Students Air Fund		1,152
Total:			<u>23,011.00</u>

JODHPUR UNIVERSITY

Award of Teacher Fellowship in the Scheme allocated to the Deptt. of Chemistry.	7,600
do	33,000
Award of Teacher Fellowship to Sh./Smt. S.L. Jain, Lec. in Chemistry, Govt. College, Darmar	4,711.13
Grant for the Air Conditioning of Electronic Instrumments Room.	90,000 .
Construction of Triple Seated Hostel for 105 Students.	26,130
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	1,500
Total:	<u>1,62,941.13</u>

KALIYANI UNIVERSITY

Grant-in-aid towards the purchase of funniture for Physics & Mathematics & Statistics Deptt.	4,310
Grant-in-aid for the purchase of library books & Journals for Humanities Departments	38,000
Grant in aid- Construction of Guest cum staff club .	80,000
Grant in aid towards the Const. of Maths deptt. Building.	10,000
Total:	<u>1,32,310</u>

KANPUR UNIVERSTY

AFFILIATED COLLEGES

D.A.V.College, Knapur.	Award of Teacher Fellowship to Jagdamba Prasad Panday, Lec. in Geography, Faizabad.	3,419.35
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KANPUR UNIVERSITY CONTD.

C.S.Nehru college, Hardoi.	Development of undergraduate education during Vth plan	Ist	7,500
<del>do</del>	<del>do</del>		20,000
K.A.Degree college, Allahabad.	<del>do</del>	2nd	10,000
P.P.N,College, Kanpur	<del>do</del>	Ist	20,000
Baiswara Degree college, Ialganj	<del>do</del>		9,000
Acharya Narendra Dev Mahapalika Mahila Mahavidyalaya, Kanpur.	<del>do</del>		12,500
<del>do</del>	<del>do</del>		25,000
D.V. (PG) college, Orai.	Payment of salary to Shri Shusil Kumar Srivastava Lecturer in Chemistry at D.A.V.College, Orai		12,580-21
<del>do</del>	Payment of salary to Shri Ratan Purwar Lecturer in Physics at D.V. college, Orai		12,581-80
Devanand Vedia (p.G.) college, Orai.	Payment of salary to km. Shashi Katiyar, Lecturer in Zoology, Dayanand Vedic college, Orai.		8,599-03
D.V.college, Orai	<del>do</del>		12,521-80
Mehru college, Jahanabad	Establishment of Book-Bank	Final	2,813
Ishwar Saran Degree college, Allahabad	Purchase of Laboratory equip.	Ist	6,000
<del>do</del>	Purchase of books & Journals	Ist	13,000
		Total:	<u>1,75,515</u>

Karnatak University

Award of Teacher Fellowship to Sh. G.B Sajjan, Lecturer in Mathematics, at S.B.college, of Science, Gulburg.		4,604
-do-		3,186-84
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	Final	1,500
-do-		1,250
-do-		650
Support for advanced research in Humanities and Social Sc.		2,000
Development Schemes under V plan period - Unassigned grant		28,690
Development Schemes under V plan period - Purchase of Lib. Books		10,00,000
-do-	II	1,50,000
-do-	4th	95,000
-do-	2nd	1,50,000
-do-		98,766-05
University Grants Commission Assistance for the research project entitled 'Endocrine regulation of reproduction in the cat fish Magur' Clarias betrachus submitted by Dr.V.B. Mandkarni.		14,800
Scholarship for post graduate studies in sanskrit/Pali/Prakrit/		3,000
-do-		3,000
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KARNATAK UNIVERSITY

Junior Research Fellowship in Science.		2,400
Junior Research Fellowship in Science.		79,000
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science.		500

AFFILIATED COLLEGES

B.K.E. Engineering college, Gulburga	do	Final	2,750
R.L.Science Instt. Belgaum	Students Aid Fund.		2,000
Anjuman Hami-e- Maslimeens Arts and Science college, Bhatkal	Grant in aid towards the establishment of Book-Bank		4,500
S.B.college of Science, Gulburga	Establishment of Book-Bank		1,250
			Total: 16,48,845

40. KASHMIR UNIVERSITY

Award of Teacher Fellowship to Abdul Hamid, Lecturer in Education at A.S.college, Srinagar.		1,224-51
	do	1,666-61
	do	1,240-91
	do	1,240-91
		Total: 5,373.137

1. K.S.D. SANSKRIT UNIVERSITY

Grant-in-aid towards the  
Construction of Canteen  
Building 50,000

Grant-in-aid towards the  
Construction of staff  
Quarters. 75,000

Total: 1,25,00 0

2. KERALA UNIVERSITY

Junior Research Fellowship  
in Humanities 2,400

-do- 426-67

Award of Teacher Fellowship  
to Sh. S. Suresh Kumar, Lec.  
in English at P.K. College. 6,590-05

AFFILIATED COLLEGES

St. Xavier's  
college for  
Women, Alwaye Purchase of equipment 20,000

-do- -do- 5,000

-do- Construction of Women's  
Hostel Ist 1,00,000

St. Berhman's  
college, Changan-  
Cherry. Basic grant for purchase of  
equipment. 25,000

Vimla college,  
Trichur Utilisation of Services of  
Outstanding retired teachers 9,000

M.E.S. Mempad college,  
Mempad. Improvement of undergraduate  
education facilities -const.  
of Lecture Hall 30,000



KERALA UNIVERSITY (CONTD.)

M.E.S. Mempad college, Mempad	Construction of Lecturer Hall		30,000
Guruvayaurappan college, Guruvayarappan	Students Aid Fund in the colleges		1,210
Alphonsa college, Palai	Establishment of Book-Bank		1,625
M.A. college of Engineering, Kerala	do	2nd	8,500
Nirmala college, Muvattupusha	do		3,250
Mahatma Gandhi college, Trivendrum	do		3,250
Mar Ivanio's college, Trivendrum	Students Aid Fund		3,750
		Total:	<u>2,50,001</u>

43. KUMALON UNIVERSITY

University Grants Commission  
Assistance for the research  
Project entitled Structural  
sedimentological and geomor-  
phological studies of the  
Nainital Hills with special  
reference to the problems  
of hillside instability  
and the origin of lakes.

87,600

87,600

KURUKSHETRA UNIVERSITY

Institution of M.B.A. course	8,530-80
Award of Teacher Fellowship to Shri B.K. Vashist, Lec. in Economics.	4,634-74
Award of Teacher Fellowship to Sh. Shyam Kishore Singh, Lecturer in Zoology, Govt. D.M. college of Science, Imphal.	3,000
<del>do</del>	477-69
Award of Teacher Fellowship to Sh. S.K. Singh, Lecturer in Zoology,	1,692-22
Award of Teacher Fellowship under thw scheme allocated to the Department of Mathematics	35,000

AFFILIATED COLLEGES

REGIONAL Engineering  
college,  
Kundubatra

Financial Assistance to Teachers  
in the universities and colleges  
for undertaking minor research  
projects in Science subjects. Final

750

~~do~~

~~do~~

2,500

Chottur Ram  
college, Sonepat

Payment of Salary to Smt.  
Sharda, Lecturer in Botany  
appointed as a substitute  
in place of Sh.V.K. Jain.

11,618-81

Guru Nanak Girls  
college, Santpura

Construction of Women's Hostel

75,000

I.B. College,  
Panipat

Purchase of Laboratory equipment

35,000

KURUKSHETRA UNIVERSITY CONTD.

I.B.college, Panipat.	Purchase of Books & Journals	30,000
-do-	Improvement of undergraduate educational facilities - Construction of Glass-rooms and purchase of furniture.	1,90,000
Hindu Girls college, Jagadhri	Grants towards the loan of Books to students-Book-Bank	5,000
Govt. college, Bahadurgarh.	-do-	4,000
Dayanand college, Hissar	-do-	7,500
Hindu college, Sonepat	-do-	7,500
National college, Sirea	-do-	2,813
	Total:	<u>4,25,017</u>

15. L.N. MITHILA UNIVERSITY

	Grant in aid for the Establishment of Students	984
	Award of Teacher Fellowship to Sh.S.S. Jha, Lecturer in Political Science, Gumla	416-67
<u>AFFILIATED COLLEGES</u>		
Purnea college, Purnea	Const. of Men's Hostel	5,588
Marwari college, Dharbhanga	Establishment of Book-Bank	5,183-5
	Total:	<u>12,172.11</u>

LUCKNOW UNIVERSITY

Award of Teacher Fellowship under scheme allocated to the Department of Mathematics University of Lucknow.		22,500
Award of Teacher Fellowship under the scheme allocated to the Department of Pol.Science		10,000
Junior fellowships in Sc.		2,400
Junior Fellowships in Humanities and Social Sc.	2nd	77,000
University Grants Commission Assistance for the research project entitled Synthesis and Characterisation of some biologically active metal complexes.		8,800
Organisation of Summer School in Advanced Logic.		7,866.08
Organisation of Biology Block approved during the 4th plan.		15,862
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects. Final		750
	Total:	<u>1,45,178.08</u>

47. MADRAS UNIVERSITY

Utilisation of Services of Outstanding Retired Teachers		8,000
Award of Teachers Fellowship under the F.I.P. allocated to the Deptt. of Physics.		31,000

contd.

Madras University Affiliated Colleges) Contd.

XXIII Annual Conference of the Association of Physiologists and Pharmacologist of india from 27th 29th December, 1977.	5,000
Annual Conference of the Indian Society of Human Genetics from 21st to 24th December, 1977.	5,000
Award of teacher fellowship under the Faculty improvement programme allotted to the Department of Chemistry, Madras University Institute- payment of grant for.	26,000
Senior/Junior Research Fellowships in Humanities including Social Sciences Research Fellowships in Engineering and Technology. payment of Fellowship to Shri Sukumar Devota.	600
Award of teacher Fellowship to Shri S.Ram. Gopal, Lecturer in Mathematics, MDT hindu College Triupveli.	4,593
Award of Teacher Fellowship to Shrimati Mary Mathawa Lecturer in HomeScience, S.I.E.T. Women's College, Madras	3,500
Award of Teacher fellowship programme regarding faculty improvement programme allocated to the Department of Education/Planning/Finance Tamilnadu Madras	10,000
Award of Teacher Fellowship to R. Balakrishnan Department of Physical Madras Christian College, Madras.	1,500
Students Aid fund in the colleges for the year 1977-78.	3,500

MADRAS UNIVERSITY

Award of Teacher Fellowship under the scheme allocated to the Deptt. of Psychology		17,000
Award of Teacher Fellowship under F.I.P. allocated to the Deptt. of Philosophy.		6,500
Award of Teacher Fellowship under the F.I.P. allocated to the deptt. of Statistics.		19,500
Award of Teacher Fellowship under the F.I.P. allocated to the Deptt. of Maths		30,000
Travel grant to Dr.G.V. Snaad for attending International Conference abroad.		7,178
Development schemes under V plan period -Recurring grant appointment of a development officer.	Ist	41,081
Grant-in-aid for the Development of postgraduate courses in Engg. and Technology. Claim of Recurring expenditure.		30,000
Symposium on Biomembrances on 22nd or 23rd September,1977.		3,000
Symposium on Environmental Biochemistry on eend and 23rd September,1977		3,000

AFFILIATED COLLEGES

Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subject.		1,500
Govt. Arts college for Women, Madras	-do-	1,250
Presidency college, Madras.	-do-	1,000

Madras University (Affiliated Colleges) Contd.

Shrimathi Dev Kunvar, Nanalal Bhatt Vishnav. College, for Women, Madras.	Students aid fund in the colleges	3,500
Madras School of Social work Madras.	Students aid fund in the colleges	1,500
Guru Nanak College, Madras	payment of salary to Shri S. Anandan Lecturer in Chemistry in place of Teacher fellow shir S. Mayaramah.	6,608
Women Christain Collge, Madras.	Students aid fund in the colleges	3,500
Pachaiyappa's College for Men Kanchipuram.	Students aid fund in the colleges	2,000
Sri* Avinashilingam Home Science College for Women, Coimbatore.	-do-	4,500
A.A. Govt. Arts College for women Tamilnadu.	-do-	1,012
S.M.College, Madras.	-do-	5,500
RE College, Tiruchirapalli.	-do-	5,495
BGC for women Pondichery	-do-	1,500
Sri Sarda Training College, for Women, Alagapuram.	-do-	740
Loyola College, Madras.	-do-	7,500
KK Govt Arts College,	-do-	3,500
Govt. Arts College, Madras.	-do-	2,230

MADRAS UNIVERSITY (Affiliated Colleges)(Contd)

College of Engineering, Madras.	Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.		5,000
St. Joseph's college, Tiruchirapalli	Support for Advanced Research in the Humanities and Social Sciences.		10,000
Madras Medical college, Madras	Senior Research Fellowships in Sciences.		7,400
	Junior Research Fellowships in Sciences.		1,500
Madras Medical college, Madras	Utilisation of services of Outstanding Retired Teachers		8,775
Auxilium colleges, Vellore.	Improvement of of undergraduate educational facilities during 5th plan period.	final	5,000
R.K. Mission Vivekanand college, Mylapore	College Science Improvement Programme.	2nd	80,000
Neston Training college, Madras	Purchase of Books and journals.	Ist	10,000
Home Science college for Women, Coimbatore.	Construction of Workshop shed	Ist	10,000
St. Xavier's college for Women, Alwars.	Utilisation of Services of Outstanding Retired Teachers		2,000
Pachaiyappa's college, Madras	do		9,000



MADRAS UNIVERSITY CONTD.AFFILIATED COLLEGES

The New College, Madras	Improvement of under graduate Educational Facilities during 5th plan period release of grant.	40,000
Sri Avinashilingam Home Science college for Women, Coimbatore.	College Science Improvement Programme - Selected colleges Project - Grant-in-aid.	80,000
Voorhees college, Vellore.	Improvement of under graduate Educational Facilities during 5th Plan period - Construction of workshop shed & Animal House.	16,500
St. Joseph's college, Tiruchirapalli	Purchase of workshop equipment.	25,000
Sri Vanshilingam Home Science college for Women, Coimbatore	Implementation of National Service Scheme - Release of grant for 1977-78	15,000
Thiru Kolanjiappar Govt. Arts college, Vikddhachalam	Students Aid Fund to colleges for the year 1976-77	1,152
Nirmla college for Women, Coimbatore.	Students aid fund to colleges	3,000
S. I. E. T. college, Cowrivakkam	-do-	2,000
Sri Sarada college for Women, Magapuram	-do-	4,500

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MADRAS UNIVERSITY CONTD.

AFFILIATED COLLEGES

P.S.G.R.Krishnamal college for Women, Coimbatore.	Students Aid Fund in the colleges	5,240
Sri Sarada Training college for Women, Magapuram	do	760
D.D.G.D. Vaishnav college, Madras	do	4,500
Mathuragan Govt. Arts college, Vellore	do	2,300
Govt. Arts college, Dharampuri	do	1,628
Nehru Memorial college, Puthanapatti	do	1,500
Govt. Arts college, Salem	do	4,650
The New College, Madras	do	8,500
A.V.C. College, Mannampandal	do	3,760
M.A. Govt. Arts college, Karaikal	do	2,000
Tegore Arts college, Pondicherry	Grants towards the loan of books- Setting up of Book-Bank during 1976-77	4,200
Nehru Memorial college, Purthanpathi	Establishment of Book Bank	1,875
Shiraj college for Women, Madras	Establishment of Book-Bank	3,750

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Total: 6,89,277.09

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Madurai UNIVERSITYAFFILIATED COLLEGES

Award of Teacher fellowship  
to Sh. B.R. Paps Prof. of  
English, Vellalar college  
for Women, Baroda 4,599-47

Support for Advancement  
Research in the Humanities  
and Social Sciences. 30,000

AFFILIATED COLLEGES

Sri Parasakthi  
college for Women,  
Courtallam Construction of Botany Lab.  
during V plan period. 10,000

-do- Purchase of Books and Journals  
during V plan 20,000

Kamraj college;  
Tuticorin College Humanities and  
Social Sciences Improvement  
Programme - Payment of  
grant for. 59,000

Sri Parasakthi  
college for Women,  
Courtallam Purchase of Lab.equipment  
during V plan 30,000

Thigrajan college,  
Madurai. Financial Assistance to  
Teachers in the universities  
and colleges for undertaking  
minor research projects in  
Science subjects. 2,750

Madurai college,  
Madurai -do- 1,000

Sri M.Govt.  
college for Women,  
Madurai. -do- 2,300

Dr. Zakir Hussain  
college, Ilayangudi Payment of salary to Sh.M.Shaik  
Abdul Kadar, Lecturer in Tamil  
appointed in place of Shri T.  
Parasivan. 10,437-50

8. MADURAI UNIVERSITY

AFFILIATED COLLEGES

Seva Savegan Annamalai college, Tamil Nadu.	Payment of salary to Shri V. Thanappan Lecturer in Tamil appointed in place of Shri Arunachalam	10,272-67
Aditanar college of Arts and Sc. Tirucheudur	-do-	7,665
Sri. Panshikthi college for Women, Gourtilam	-do-	7,662-52
Arignar Anna college, Aramboly	-do-	10,437-50
N.M.S.S.V. Nadar college, Madurai	-do-	6,880
Thiagarajar college of Preceptors, Madurai	Students Aid Fund to colleges	186

Total: 2,13,190.66

MAGADH UNIVERSITY

Junior Research Fellowship in Science	1,512-90
Award of Teacher Fellowship to Sh. Mohamad Yasin Lecturer in Physics, Govt. college, Gaya	1,500
Award of Teacher Fellowship under scheme allocated to the Deptt. of Mathematics, University of Magadh.	41,000

AFFILIATED COLLEGES

Gaya college, Gaya	Financial assistance during V plan period for development scheme.	50,000
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MAGADH UNIVERSITY CONTD.AFFILIATED COLLEGES

M.M. Mahavidyalaya, Arrah.	Financial Assistance during Fifth plan period. Construction of additional teaching accommodation	40,000
A.B. college, Bikramganj	Financial Assistance during V plan period for Books and journals	10,000
A.S. college, Bikramganj	-do-	10,000
D.K. college, Sahabad.	Setting up of Book-Bank	2,160
M.N.R. singh college, Arrah	Students aid fund	4,500
		<hr/> Total: 1,60,672.9

50. M.S. UNIVERSITY OF BARODA

Construction of a building under the scheme of Postgraduate Degree course in Textile Engineering.	2,974.21
Award of Teacher Fellowship under the scheme allocated to the deptt. of Economics.	23,000
Award of Teacher fellowship under allocated scheme to Km. Manda Ram Lal Pariskh, Lecturer in Economics, New Gujarat Commerce college, Ahmedabad.	3,779.50
-do-	4,318.57
Award of Teacher Fellowship to Km. Lillian Menozies, Lec. in Physiology, college of Home Science, Bombay	1,552.40
<hr/> Total: 35,624.74	

51. Marathwada University:

Publication of Research Works including Doctoral Thesis during the Vth Plan.	20,000
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects	1,250
Junior Research Fellowships in Science.	2,400
Allocation of Unassigned grant for 1975-76-Fifth Five Year Plan Period.	14,999
Award of Teacher Fellowship to Shri Kalagara Andhradev, Lecturer in Physics at Maharashtra Udayagiri Mahavidyalaya, Udgir.	1,500
Allocation of Unassigned grant for 1975-76-Fifth Five Year Plan Period.	19,897
Establishment of Health Centre	10,000
Allocation of Unassigned grant for 1975-76-Fifth Five Year Plan Period.	24,000
Assignment of Russian Language Teacher under Indo-USSR Cultural Exchange Programme	2,100
UGC Assistance for the research project entitled 'Studies on neuroendocrinology of anomuran crustacea by Dr. (Mrs.) R. Sarojini, S.B.E.S. College of Science, Aurangabad.	44,400
Financial Assistance for the conduct of survey of the existing post-graduate colleges affiliated to Marathwada University during Vth plan period.	5,000

Marathwada University (Contd.)

Affiliated Colleges:

Adarsh Education Society's Arts Commerce and Science College, Hingoli	Assistance to college for the development of play fields and purchase of accessories for games and sports.	10,242
Nutan Mahavidyalaya, Silu	-do-	10,000
Govt. College of Arts and Science Aurangabad.	-do-	10,000
Shri Chhatrapati Shikshan Prasarak Mandal's Arts and Commerce College Kannad	-do-	7,000
Pratishthan Education Society's Pratishthan Mahavidyalaya Paithan.	-do-	10,500
Shri Mahatma Basweshwar Mahavidyalaya, Latur	-do-	12,000
Jawahar Education Society's Vaidyanath College, Parlli-Vaijuath	-do-	13,055
Nanded Education Society's People College, Nanded	Construction of class rooms	20,000
Dayan Prasarak Mahavidyalaya, Kallan	Construction of Men's Hostel	20,000
D.S. S.L.B.S.M. Mahavidyalaya Dhamabad	Construction of Boy's Hostel Buildin	40,000

Marathwada University (Contd)Affiliated Colleges:

Maharashtra Mahavidyalaya Nalaga	Construction of Men's Hostel	
People's College Nanded	Development of play fields and purchase of accessories for games and sports.	1,500
Nanded Education Society's Science College, Nanded.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science subjects.	1,000
Yashwant Maha- vidyalaya, Nanded.	-do-	1,250
J.R.S.R.G. Bagdia Arts, S.B.Lakhotia Commerce and R. Banzoaji Science College, Jaina.	Setting up of Book Bank	3,750
Yogeshwari Mahavidyalaya Ambajogai	-do-	1,900
Shri Shivaji College (Arts, Commerce and Science) Kandhar	-do-	1,900
Shri Chhatrapati Shivaji Arts and Science Commerce College, Omerge	-do-	2,800
Govt. College of Engineering, Aurangabad.	Students Aid Fund	3,500
Dayanand Science College, Latur	-do-	1,352
M.S.P. Mandal's Daogiri College Aurangabad.	Construction of south wing of science laboratories.	30,000

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 3,27,398
 

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52. Marathwada Agricultural University:

Financial Assistance for undertaking minor research projects in Science.	5,600
-do-	1,250
	<hr/>
	<u>6,850</u>

53. Meerut University:

Award of Teacher Fellowship to Rajendra Sharma, Lecturer in Economics, V.V. (PG) College Shamli.	1,090
Award of Teacher Fellowship to Km. Purnima Srivastava, Lecturer in Botany, NVC College, Meerut.	1,500
Award of Teacher Fellowship to Sh. M.P. Singh, Lecturer in Physics, M.M.H. College, Ghaziabad.	4,559
Award of Teacher Fellowship to Shri B.D. Sharma, Lecturer in Physics, Govt. College, Gurgaron.	3,411
Award of Teacher Fellowship to Sh. Mahavir Singh, Lecturer in Physics, Meerut Univ.	4,571
Award of Teacher Fellowship to Sh. S.P. Sharma, Lecturer in Physics, D.N. College, Gulavthi.	3,314
Award of Teacher Fellowship to Sh. V.P. Arora, Lecturer in Physics Vardhaman College, Bijnor.	3,354
Award of Teacher Fellowship to Sh. Navab Singh, J.V. College, Baraut.	3,315
Award of Teacher Fellowship to Sh. Karan Singh, Lecturer, DAV College, Muzaffar ...	1,556
Award of Teacher fellowship to D.C.D. Bhatnagar, Lecturer, Govt. College, Gurgaron.	3,435

Meerut University (Contd.)

	Award of Teacher Fellowship to Sh. A.J. Babl, Lecturer, D.A.V. College, Jullunder.	4,604
	Award of Teacher Fellowship to Sh. S.S. Dhal, Lecturer, D.P. Degree College, Annapshahr.	4,568
	Award of Teacher Fellowship to Sh. Ashok Kumar, Lecturer at D.S.S. College, Dehradun.	3,511
	Utilisation of services of outstanding retired teachers.	2,000
	Grants for support of Research in the universities.	25,000
<u>Affiliated Colleges:</u>		
D.A.V. College Bulandshahr	Construction of Women's Hostel	40,000
K.K.Jain College, Khatauli	Grant for purchase of books and Journals.	45,000
Meerut College Meerut.	Utilisation of services of outstanding retired teachers.	2,000
JV Jain College, Saharanpur.	Assistance for the research projects.	12,200
A.K.P. Degree Colleg, Hapur.	Assistance for development of play fields.	3,000
S.S.V. College Hapur.	Grant for purchase of books and journals.	35,000
-do-	-do-	20,000
-do-	-do-	15,000
B.S.M. Coll. Roorkee.	-do-	5,000
K.K. Jain College, Khatauli.	-do-	2,500

Meerut University (Contd.)

Affiliated Colleges.

Meerut College Meerut.	Utilisation of services of out- standing retired teachers.	2,000
M.L. & J.N. Khamkn Girls College, Saharanpur.	Assistance for development of play fields.	4,000
R.S.S. Degree College, Pilhuwa	-do-	4,500
Meerut College Meerut.	Award of Teacher Fellowship to Shri R.K. Agarwal, Meerut College, Meerut.	19
M.M. College Modinagar.	Award of Teacher Fellowship to Shri S.K. Gupta, Lecturer at SD College, Muzaffarpur.	3,375
Meerut College Meerut	Award of Teacher Fellowship to Smt. Sarita Goel, Lecturer, R.G. College, Meerut.	1,500
V.M. Girls College, Ghaziabad.	Award of Teacher Fellowship to Smt. R.R. Singh, Lecturer, R.S.S. Degree College, Pilikhua.	4,477
M.M.H. College Ghaziabad.	Award of Teacher Fellowship	4,666
Meerut College Meerut	-do-	1,437
N.R.E.C. College Khurja	-do-	3,604
-do-	-do-	1,598
Deva Nagri College, Meerut	Award of Teacher Fellowship to Sh. B.B. Gupta, Lecturer, D.B.S. College, Dehradun.	3,750
-do-	Award of Teacher Fellowship to Sh. Radhey Shyam Upadhyaya, Lecturer, DAV College, Bulands har.	3,604
M.M. College Modinagar.	Award of Teacher Fellowship to Sh. S.K. Khandelwal, Lecturer R.L.A. College, New Delhi-	3,629

Meerut University (Contd.)

Affiliated Colleges:

D.A.V. College Muzaffarnagar.	Assistance to teachers in the universities and colleges for undertaking minor research projects in science subjects.	1,000
-do-	-do-	1,000
S.S.V.(PG) Coll. Hapur.	-do-	1,750
-do-	-do-	1,400
S.D. College Muzaffarnagar.	-do-	1,000
-do-	-do-	1,650
-do-	-do-	900
N.R.E.C.College Khurja	-do-	500
D.A.V. College Muzaffarnagar	-do-	1,250
Meerut College Meerut	-do-	1,000
-do-	-do-	1,250
D.N. College Gulaethi,	Payment of salary to Shri Mange Lal Lecturer in Mathematics,	11,508
R.G.(PG) College Meerut.	Payment of salary to Km. Anuradha Varshney, Lecturer in Chemistry	2,667
V.V.(PG) College Shamli	Payment of salary to Sh. A.K. Rastogi, Lecturer in Economics.	10,878
Lajpat Rai Coll. Sahibabad.	Payment of salary to Sh. S.D. Dogra, Lecturer in Political Sc.	11,931
D.A.V. College Muzaffarnagar	Payment of salary to Shri Uma Kant, Lecturer in Mathematics.	3,097
-do-	Payment of salary to Sh. R.R. Bhardwaj, Lecturer in Botany.	8,001
K.L.D.A.V. College, Roorkee.	Payment of salary to Sh. P.K. Jain, Lecturer in Chemistry	11,777

Meerut University (Contd.)

Affiliated Colleges:

Gochar Mahavidlaya Rampur.	Payment of salary to Sh. Pawan Kumaf, Lecturer in Chemistry.	12,704
N.M.H. College Ghaziabad .	Payment of salary to Sh. S.S. Agarwal Lecturer in Physics.	12,410
I.P. Degree College, Bulandshahr	Payment of salary to Sh. A.P. Garg, Lecturer in Botany.	10,363
J.V. Jain College Saharanpur.	Payment of salary to Sh. Vinay Prakash, Lecturer in Law	7,733
C.C.R. Degree College, Muzaffarnagar	Payment of salary to Sh. S.K. Verma, Lecturer in Botany.	7,238
-do-	Payment of salary to Sh. A.P. Singh, Lecturer in Physics.	8,259
J.V. Jain College, Saharanpur.	Students Aid Fund	6,886
I.D.P.D. Degree College, Bulandshahr	-do-	554
Meerut College Meerut	Grant for Book Bank.	5,625
-do-	- o -	8,437
D.A.V. College Muza ffarnagar	Development of PG Education	40,000
-do-	-do-	20,000
C.C.R. Degree College, Muzaffarnagar.	Development of undergraduate education	22,400
D.A.V. College Muzaffarnagar.	-do-	10,000
-do-	-do-	8,000
C.C.R. Degree College, Muzaffarnagar.	-do-	20,400

Meerut University (Contd.)

Affiliated Colleges:

M.M. College, Modinagar.	Development of undergraduate educational facilities.	69,000
Gochar Mahavi- dyalaya, Rampur.	-do-	12,000
-do-	-do-	10,000
M.M. College Modinagar	-do-	67,500
S.D. College Ghaziabad.	Students Aid Fund in the colleges.	2,532
Meerut College Meerut	JRFs in Science	2,400
Raghunath Girls (PG) College, Meerut.	Payment of salary to Km. Neeraj Tyagi, Lecturer in Sociology, Raghunath Girls (PH) College, Meerut.	7,455
S.D. College Muzaffarnagar	Utilisation of services of outstanding retired teachers	2,000
M.L. & J.N.K. Girls College Saharanpur	Development of undergraduate education during the fifth five year plan period-Purchase of books and journals.	15,000
Meerut College Meerut	Grants to affiliated colleges for chalk	9,751
N.A.S. College Meerut	Improvement of undergraduate educational facilities during the fifth five year plan- construction of additional teaching accommodation.	20,000
N.R.S.C. College Khurja	National Associateship Scheme- Dr. R.K. Singh	8
S.S.V. College Hapur	Grants for purchase of books and journals-Development of undergraduate education dur- ing 5th plan period.	35,000

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8,17,861

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54. University of Mysore:

University leadership Project in Geology.	7,600
Award of teacher fellowship to Sh. A.B Parameswarappa, Lecturer in Sociology at A.V. Kamalamma college for women's Davargeri.	3,637
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science- subjects- payment of second instalment of grant.	1,500
Fourth Plan Development of Higher Scientific Education and Research Grant towards additional staff.	137.18
Jr. Research Fellowship in Sce/Humanities including Social Sciences- payment of Fellowship to Smt. T. Padmini.	400
University Grants Commission Assistance for the research project entitled Molecular Spectra of Diatomic Molecules of Dr. N.S. Murthy, Department of Physics, University of Mysore, - Fifth Five year plan	7,800
Grants to Universities towards the celebration of Diamond Jubilee	10,00,000
University Grants Commission Assistance for the research project entitled Metabolism of plant Fructans by Shri T.N. Pattabiraman, Department of Bio-Chemistry, Osmania University Hyderabad.	4,800

Affiliated Colleges

AVK College, for Women, Hussau.	Purchase of Laboratory Equipment	II	25,000
-do-	Purchase of Books and Journals		5,000
-do-	Construction of an extension of Laboratory building	IIInd	25,000

Affiliated Colleges (Mysore University )Contd.

St. Aloysius College, Mangalore.	Purchase of Books and Journals	10,000
University Evening College, Mysore.	Construction of Teachers Flat	10,000
Regional College of Education, Mysore.	Construction of Green House	10,000
Vevekanand College of Arts and Sc.. Puttur.	Grants towards the loan of Books Setting up of Book Bank during 76-77	1,425
D.B. College of Commerce. Mysore.	Book Bank Setting up of.	8,500
Vijaya College, Mulki	Students Aid Fund	2,114
Manipal college of Education, Udipi.	Students Aid fund	890
AVK College for Women, Hassan	-do-	3,500
Cauvery College, Gonikopal	-do-	2,000
BAS&C College, Goondapoor.	-do-	3,500
Cauvery College, Gonikopal.	-do-	950
AVK College for Women Karnatak State.	-do-	1,250
St. Agnes College, Mangalore.	-do-	1,425

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11,36,428.18

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55. Nagpur University:

Publication of research work	8,228
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	1,000
Grant-in-aid for construction of building for the introduction of New U.G. courses	5,000
Award of Teacher Fellowship	65
-do-	3,532
-do-	4,637
Grant in aid for additional staff appointed for undergraduate courses	5,115
JRF in Science	32,000
JRF in Science	49,000
JRF in Humanities	2,400
Research Fellowships in Engg. and Tech.	5,883
Research Fellowships in Science	1,887
Research Fellowships in Engg. and Tech.	6,000
Financial assistance to affiliated colleges	7,500
<u>Affiliated Colleges</u>	
M.S.S. Instt. of Social Work Nagpur	Financial assistance to colleges for the development of play fields and purchase of accessories for games and sports in colleges during 5th Plan period.
	6,000

Nagpur University (Contd.)

Affiliated Colleges:

Nagpur Mahavidyalaya Nagpur	Post-graduate scholarship in Arabic-1977-78	3,000
M.M.D. Mahavidyalaya of Arts and Commerce Condia	College Humanities and Social Sciences Improvement Programme	87,600
Rabira Mahavidyalaya Katol	Construction of Gymnasium	3,750
Sitabai Arts College Akola	Financial Assistance for the publication of learned/ research work	8,000
M.M. Mahavidyalaya Darwah	Grant to College Libraries for loan of Books to students	8,000
Rajsthan Aryan Arts and Mithulalji Kacholiya Commerce Mahavidyalaya Vashim	Students Aid Fund	426
Nutan Adarsha Mahavidyalaya Umrer Distt. Nagpur	-do-	280

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2,49,303

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56. North Eastern Hill  
University

JRFs in Humanities	2,400
Payment of maintenance 2nd grant to North Eastern Hill University	25,00,000
Student Aid Fund-1977	4,820
UGC Assistance for the research project	13,000
Publication of learned/ research including doctoral thesis	3,000
JRF in Science	18,000
JRF in Humanities	13,000

North Eastern Hill University (Contd.)

	Scholarship for post-graduate studies to the students belonging to the Border Hill Areas.	3,000
	UGC assistance for the research projects	10,000
<u>Affiliated Colleges</u>		
Shillong Law College Shillong	Grant for setting up Book Bank	15,000
St. Marry's College, Shillong.	Construction of Library and Laboratory Building.	50,000
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		<u>26,32,200</u>

57. North Bengal University

	Award of Teacher Fellowship	10,000
	JRF in Science	11,000
	JRF in Science	17,000
	Grant in-aid Construction of an extention to Mathematics Dept. Building	50,000
	UGC Assistance for the research projects	17,000
	Financial Assistance to teachers for research projects	10,000
	Award of Teacher Fellowship	4, 5&O
	Payment of salary to Sh. B. Chakraborty	1,630

North Bengal University (Contd.)

Affiliated Colleges

Ananda Chandra College Jalpaiguri	Payment of salary to Sanchita Barik.	11,062
-do-	-do-	3,490
		1,35,762

58. Osmania University

JRF in Science		2,400
JRC in Science	2nd	1,13,000
Grant-in-aid for purchase of Books and Journals		50,000
Grants towards Fellowships for Science and Humanities		1,00,000
Award of Jr. Fellowships for PG studies in Engg. & Tech.		40,000
PG Scholarship in Arabic		3,000
Award of Teacher Fellowship		6,000
Higher Education and Research Development Schemes for the universities during the fifth plan period.		75,000
UGC Assistance for the research projects		14,474
Award of Teacher Fellowship under FIP		10,500
-do-		7,500
-do-		4,500
-do-		11,000

Osmania University (Contd.)

	Award of Teacher Fellowship	11,500
	Grant-in-aid for the purchase of Equipments for the Science Departments during 5th plan.	5,85,000
<u>Affiliated Colleges.</u>		
Vivek Vardhini College, Hyd.	Construction of Class Rooms and Lecture Theatre during 5th plan period.	85,000
New Science College, Hyderabad.	Grant for Green House and Horticultural Implements Vth plan period.	15,000
New Science College, Hyderabad.	Grants-in-aid for Development of PG Education	30,000
..-do-..	Fifth Five Year Plan-Improvement of Undergraduate Educational Facilities.	1,00,000
Anwarul-Hloom Coll. Hyderabad.	5th plan schemes-Purchase of Equipment, Books and Journals	40,000
Govt. Coll. for Women Begumpet	-do-	45,000
Govt. College Gisdipet	Students Aid Fund	2,000
Govt. College of Education Warangal	Book Bank	2,415
St. Ann's College of Education Secunderabad.	Book Bank	2,000
Sardar Patel College, Secunderabad.	Grants towards the loan of books to students	5,625
A.K.N. Women's College, Hyderabad.	-do-	4,000

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13,65,414

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59. Panjab University:

	Award of Teacher Fellowship	17,500
	-do-	19,800
	-do-	16,000
	-do-	19,500
	-do-	39,000
	Research Associateship	2,239
	Award of Teacher Fellowship	4,377
	Research Associateship	-
	Special Assistance to selected Deptts.	33,690
	Utilisation of services of outstanding retired teachers	2,000
	UGC Assistance for the research projects	19,900
	Construction of Faculty Apartment Houses	1,00,000
	Research Fellowship in Science	2,400
	JPF in Science	1,500
	-do-	1,583
	-do-	1,45,000
	UGC Assistance for the Research projects	12,500
<u>Affiliated Colleges</u>		
M.C.M.D.A.V. College for Women, Chandigarh.	Improvement of undergraduate edu.	3,000
Dev Samaj College for Women, Ferozepur.	Assistance to colleges for the development of play fields.	5,000
D.M. Coll. Moga	-do-	5,000

Panjab University (Contd.)

Affiliated Colleges (Contd.)

Guru Nanak Khalsa Coll. for Women Model Town.	Assistance to colleges for the development of play fields.	5,000
R.S.D. Coll. Ferozepur	-do-	5,000
Swami Prema- nand Maha- vidyalaya Mukerian	Construction of Library Building and purchase of furniture.	50,000
A.S. College Khana	Payment of salary	5,697
D.A.V. Coll. Chandigarh	-do-	8,150
Guru Nanak Khalsa Coll. for Women Model Town	Development of undergraduate educational facilities	15,000
G.H.G. Khalsa Coll. Gurusar Sadhar	Teacher Fellowship Programme	3,353
Gandhi Memo- rial National College, Ambala Cantt.	-do-	1,085
Dayanand Mathradas College, Moga	-do-	4,531
G.H.G. Khalsa College Gurusar Sadhar	-do-	4,034
Guru Nanak Khalsa Coll. for Women Model Town.	Students Aid Fund	2,000
D.M. College of Education Moga	-do-	1,500

Panjab University (Contd.)

Affiliated Colleges:

Guru Nanak College for Girls, Muktsar	Students Aid Fund in the colleges	1,300
Govt. College Zira	-do-	1,300
Govind National College Govind Nagar	-do-	1,000
G.H.G. Khalsa College of Education Gursar Sadhar	-do-	1,300
Guru Nanak College, Moga	-do-	1,500
G.H.G. Khalsa College, Gursar Sadhar	-do-	3,500
M.R. Coll. Faizilka	-do-	3,500
G.H.G. Khalsa College, Gursar Sadhar	Grant towards the loan of books to students-Setting up of Book Bank	4,200

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5,72,939

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50. Panjab Agricultural  
University

Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	3,000
-do-	1,000

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4,000

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61. Punjabi University:

	Research Fellowships in Science	4,800
	Construction of Science Laboratory	50,000
	Allocation of grant for UGC Unit	6,000
	-do-	15,000
	Award of Teacher Fellowship under FIP	17,750
	Award of Teacher Fellowship	3,230
	-do-	4,577
	Equipments purchased for Health Centre	5,000
<u>Affiliated Colleges.</u>		
Public Coll. Samana .	Improvement of undergraduate edu- cational facilities.	30,000
D.A.V. Coll. Bhatinda	Development proposal for the improve- ment of undergraduate educational facilities	8,000
Public College, Samana	Assistance for development of play fields	5,000
Rajindra Govt. College, Bhatinda	Students Aif Fund	5,000
		1,54,357

62. Patna University

	JRF in Humanities	1,500
	Award of Teacher Fellowship	8,600
	Financial Assistance for research projects	2,125
	-do-	1,250
	Grant-in-aid towards construction of Building for the Department of Law	25,000

Patna University (Contd)

	Award of Teacher Fellowship	25,000
	-do-	3,279
	-do-	41,000
	-do-	25,500
	-do-	4,547
	-do-	4,553
	-do-	4,557
	-do-	4,579
	Award of Scholarship for full time LL.M. Course	3,000
	Scholarship for PG studies	3,000
	JRF in Science	95,000
<u>Affiliated Colleges</u>		
N.M. College Patna	Utilisation of services of outstanding retired teachers	2,000
	-do-	4,500
-do-	Financial Assistance during V Plan period	30,000
Bihar Coll. of Engg. Patna	Financial assistance for research projects	4,000
Patna Sc. College, Patna	Book Bank	3,250
		2,96,240

53. Poona University

	Award of Teacher Fellowship	3,500
	-do-	10,500
	-do-	7,000
	-do-	3,000

Poona University (Contd.)

	Award of Teacher Fellowship	35,500
	-do-	2,000
	-do-	35,000
	-do-	34,000
	-do-	1,603
	-do-	15,000
	-do-	10,000
	-do-	41,500
	-do-	4,603
	-do-	4,603
	Allocation of Unassigned Grant	18,000
	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects	750
	Indo-USSR Cultural Exchange Programme	5,284
	Research Fellowships in Science	4,800
	SRF in Humanities	9,800
<u>Affiliated Colleges:</u>		
Tuljaram Chaturchand College, Baramati	Development of play fields	4,000
J.D.M.V.P.S. Science Comm. and Shri S.S. Patil Arts College, Jalgaon	-do-	10,450
K.R.P. Arts B.H. Commerce and A.M. Sc. College, Nasik.	-do-	16,100

Poona University (Contd.)

Affiliated Colleges:

R.N.C. Arts J.D.B. Comm. and N.S.C. Sc. College, Nasik.	Development of Play fields	10,500
M.J. College Jalgaon	-do-	7,500
Arts, Science & Commerce College, Satara	-do-	10,000
Ahmednagar College, Ahmednagar.	Grants to Affiliated colleges during Vth plan period.	25,000
Science College, Dhulia	Collge Science Improvement Programme	80,000
Deccan College, Poona	Research Associateship in Humanities	8,400
-do-	-do-	2,700
Ahmednagar College, Ahmednagar	Development of PG studies in Humanities & Social Sciences	2,04,000
D.E. Society's of Education Dr. Lohiya Marg, Dhulia.	-do-	76,000
J.D.M.V.P. Co-op. Samaj's Arts Science & Commerce College, Jalgaon.	-do-	-
Sri Parashu- rambhai College, Poona.	Grants to affiliated colleges for the establishment of Book Bank.	5,500

Poona University (Contd.)

Affiliated Colleges:

MVP Mandal's Arts and Commerce College, Lanalgaon	Grants to affiliated colleges for the Book Bank	1,500
C.D. Jain College of Commerce Ahmednagar	-do-	500
S.S.V.P. Sanstha's Sc. College Dhuli	-do-	1,500
Arts Science and Commerce College, Pachora	-do-	1,500
C.D. Jain College of Commerce, Shriranpur	Students Aid Fund	1,000
SSB College of Education Shrirampur	-do-	1,170
Kamjat Coll. Karjat	-do-	1,000
MES Abasaheb Garware Coll. Poona	Financial Assistance to College for the development of play fields	6,000
New Arts Commerce & Sc. College Ahmednagar	-do-	6,000
NESS Wadia College of Commerce Poona	-do-	6,000
D.N. Mahavidyalaya Faizpur	-do-	6,000

Poona University (Contd.)

Affiliated College (Contd.)

New Law College Ahmednagar	Grant to College Libraries for loan of Books to Students (Book Bank)	7,500
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H.P.T. Kala  
and S.R.Y.K.  
Vidhyan  
Mahavidyalaya  
Nasik

-do-

15,000

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7,61,263

4. Rabindra Bharati  
University.

Allocation of unassigned grant  
for 1977-78

15,000

JRF in Humanities

15,000

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30,000

5. Rajasthan University

Award of Teacher Fellowship

17,000

-do-

29,000

-do-

3,483

-do-

9,500

All India Seminar of Research  
Students in Philosophy

11,500

Improvement of Undergraduate  
educational facilities

9,600

UGC Assistance for research  
projects

12,200

Programme of Special Assistance  
to selected departments

3,89,682

UGC Assistance for the research  
project

12,000

Rajasthan University (Contd.)

	UGC Assistance for the research projects.	27,600
	V-Plan Development schemes	20,000
	Financial Assistance for minor research projects	1,750
	-do-	5,000
	-do-	625
	-do-	1,000
	-do-	750
	UGC Assistance for the research projects	8,800
	-do-	12,800
	JRFs in Science	2,400
	SRFs in Science	9,645
	Higher Education and Research Development Schemes of the Universities for the V plan period	5,00,000
	Higher Education and Research	4,00,000
<u>Affiliated Colleges</u>		
S.K. College Sikar	Release of grants towards purchase of books & journals	15,000
Bangur College Pali	Development proposals	-
Kamaria Mahila Mahavidyalaya Jaipur	Support for Advanced Research in the Humanities and Social Sciences	8,000
Bohila Girls College, Ajmer	Improvement of Undergraduate Educational Facilities	35,000
Govt. College, Ajmer	Development of undergraduate educational facilities	70,000
-do-	-do-	20,000

Rajasthan University (Contd.)

Affiliated Colleges (Contd.)

Kanoria Mahila Mahavidyalaya, Jaipur.	Payment of salary	5,102
D.V.G. Vigan Mahavidyalaya Raj.	-do-	9,574
Malviya Regional Engineering Coll. Jaipur.	Award of Teacher Fellowship	72
Jialal' Instt. of Education Ajmer	Assistance towards construction of extension of hostel building	-
Director of Archives Rajasthan.	Award of Teacher Fellowship	4,747
Rangar College Bikaner	Release of laboratory equipment grants	25,000
Sophia Girls College, Ajmer	-do-	20,000
S.D. Govt. College, Raj.	Construction of library building	30,000
Govt. College Partapgarh.	Financial assistance for minor research projects	2,400
Govt. College Ajmer	-do-	750
N.L.S. College Kuludora	-do-	500
Govt. College Kota	-do-	750
L.B.S. College Jaipur	-do-	1,500
Govt. College Nagpur	-do-	1,250
Govt. College Ajmer	-do-	500



Rajasthan University (Contd.)

Affiliated Colleges (Contd.)

Malviya Regional Engg. College, Jaipur.	Award of Teacher Fellowship	3,366
Govt. College, Ajmer	-do-	3,540.
Govt. College Bundi	Release of grants towards the construction of hostel building	40,000
S.S.G. Pareek College, Jaipur.	Utilisation of services of outstanding retired teachers	358
J.D.B. Girls College, Kota	-do-	3,250
Chirawa College Chirawa	Students Aid Fund	3,500
S.M.N. Govt. College, Nathwara	-do-	650
Gord Ravi Govt. College for Women, Alwar	-do-	1,284
Shri M.L.V. Govt. College Bhilwara	Assistance for the development of play fields	10,000
Govt. College Nasirabad	Grants towards the loan of books to students-Book Bank	2,000
		18,02,426

66. Ranchi University

	Award of Teacher Fellowship	4,416
	-do-	3,717
	-do-	3,725
	-do-	3,750

Ranchi University (Contd.)

	JRF in Humanities	36,000
	Assistance to colleges for development of play fields and purchase of accessories for games and sports	6,980
	-do-	10,000
<u>Affiliated Colleges.</u>		
Jamshedpur Women's College, Jamshedpur	Construction of educational teaching accommodation.	50,000
C.L.A. Agarwal College, Daltonganj Pelaman	Assistance to teachers for minor research projects.	750
Ranchi College Ranchi	-do-	500
-do-	-do-	1,000
Ranchi College of Vet. Science & A.H. Kanka	-do-	1,350
Tata College, Chaibasa	-do-	1,250
		1,23,438

67. Ravi Shankar University

National Associateship Scheme	408
Award of Teacher Fellowship	1,500
-do-	3,750
-do-	462
Development of play fields & purchase of accessories	1,250

Ravi Shankar University (Contd.)

Affiliated Colleges:

Snatak Mahavidyalaya Bilaspur	Grants to affiliated colleges for the establishment of Book Bank.	1,500
Snatak Mahavidyalaya Bilaspur	-do-	500
Govt. College of Education, Bilaspur	-do-	1,500
		10,870

68. Rohilkhand University

Affiliated Colleges

S.M. College Chandausi	Construction of non-resident students centre	5,000
Bareilly College, Bareilly	Utilisation of services of retired teachers	2,000
Gokuldas Hindu Girls College, Moradabad.	Development of undergraduate education.	5,400
Sahu Gopinath Girls Degree College, Bareilly	-do-	4,000
-do-	-do-	20,000
Hindu College Moradabad	Improvement of undergraduate educational facilities	2,12,419
S.S. Degree College, Saharanpur	Assistance for the development of play fields	3,750
Bareilly College Bareilly	-do-	5,000
Vardhman College Bijnor	-do-	5,000

Rohilkhand University (Contd.)Affiliated Colleges:

R.S. M. Degree College, Dharmpur	Establishment of Book Bank	2,813
S.S. Degree College Sahjahanpur	-do-	1,875
S.S. Degree College Sahajanpur	Additional grant for Book Bank	5,000
Gokhuldas Hindu Girls College Moradabad	Establishment of Book Bank	3,293
-do-	Additional grant for Book Bank	7,500
Hindu College Moradabad	Assistance to teachers for research projects in Science subjects.	750
-do-	-do-	1,250
-do-	Payment of salary to Shri Shyam Singh, Lecturer in Physics	849
-do-	Payment of salary	12,841
Bareilly College Bareilly	-do-	2,808
-do-	-do-	2,329
Hindu College Moradabad	-do-	8,841
		3,12,718

Roorkee University

Award of Teacher Fellowship	7,000
-do-	19,000
-do-	14,000
-do-	17,500
-do-	4,586
Establishment of Computer Training Centre.	35,000

Roorkee University (Contd.)

: 98 :

Establishment of Computer Training Centre	20,000
Award of Teacher Fellowship	4,642
-do-	3,254
-do-	4,641
Grant for the purchase of library books and journals	1,50,000
JRFs in Science	2,400
-do-	38,000
Research Fellowships in Engg. & Technology	6,000
Equipment grant	11,700
UGC Assistance for Research Projects	50,000
Financial Assistance for research projects	4,000
-do-	1,250
	<hr/>
	3,92,973

70. Sambalpur University.

Grant-in-aid for the purchase of equipment	8,000
JRFs in Humanities	14,000
-do-	21,000
-do-	2,500
Award of Teacher Fellowship	3,669

Affiliated Colleges

Sonepur College Sonepur	Assistance for student welfare programme for development of play fields	10,000
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Sambalpur University (Contd.)

Affiliated Colleges:

Regional Engg. College, Bourkela	Assistance for minor research projects in Science subjects.	1,000
G.M. College Sambalpur	Development of PG studies	1,00,000
Regional Engg. College, Rourkela	Award of Teacher Fellowship	3,717
G.M. College, Sambalpur	-do-	3,669
Govt. College Rourkela	Assistance to colleges under Students Welfare Programme for development of play fields and purchase of accessories for games and sports.	10,000
Panchayat College Bargarh	-do-	10,000
Govt. College Bhawanipatna	-do-	10,000
Jawaharlal College, Patnagarh	-do-	10,000
Panchayat College Bargarh	Purchase of library books and journals	1,00,000
M.V. Mahila Arts and Science College V.M. College Road Bajkot	Students Aid Fund	5,500
		3,13,055

Sampurnanand Sanskrit  
University

Utilisation of services of out- standing retired teachers	7,500
-do-	2,000
JRF in Humanities	15,000
	24,500

:100 :

72. Sardar Patel University

UGC Assistance for the research projects	4,000
Award of Teacher Fellowship	16,500
Release of grant for the purchase of Scientific Equipment	1,00,000
JRFs in Science	2,500
-do-	50,000
-do -	33,000
Assistance for undertaking minor research projects in science subjects.	750
-do-	4,800
-do-	2,000

Affiliated Colleges:

Nalini, Arvind and T.V. Patel Arts College, Vallabh Vidyanagar	College Humanities and Social Science Improvement Programme	5,000
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2,18,550

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73. Saugar University:

Award of Teacher Fellowship	28,000
-do-	26,750
-do-	69
-do-	4,736
-do-	41,000
-do-	8,600
-do-	14
-do-	4,500

Saugar University (Contd.)

Financial Assistance towards Award of PG Students to M.Tech. Students of final year	20,000
Purchase of Bus for Girls Students	50,000
Special Assistance to selected departments.	6,326
Financial Assistance for undertaking minor research projects	1,250
-do-	1,550
-do-	1,000
JRFs in Science	3,000
JRDs in Humanities	74,000
Research Fellowships in Engg. & Tech.	5,750
JRFs. in Science	1,12,000
Utilisation of services of outstanding retired teachers	8,290
Award of Teacher Fellowships	40,000

Affiliated Colleges:

Govt. Degree College, Seoni	Grants to affiliated colleges	18,000
Kamla Nehru Mahila Mahavidyalaya Damoh	Development of play fields	10,000
S.N. Govt. P.G. College, Khandwa	Assistance to teachers for undertaking minor research projects	500
Mahatma Gandhi Memorial College Itarsi	Grants to affiliated colleges for the establishment of Book Bank	3,250
Mahatma Gandhi Mahavidyalaya Karali	Students Aid Fund	1,400



Sauqar University (Contd.)

Affiliated Colleges:

Junnardeo Mahavidyalaya Junnardeo	Students Aid Fund	1,500
Govt. College Pisaria	-do-	1,437
S.S.P. Arts and Commerce College Waraseoni	-do-	582
		4,73,504

74. Saurashtra University:

JRFs in Humanities	10,000
JREs in Science	15,000

Affiliated Colleges:

Smt. J.J. Kundalic Commerce College, Rajkot	Students Aid Fund	574
Kamani Science and Prataprai Arts College, Amreli	College Humanities and Social Science Improvement Programme	58
S.S.P. Jain Arts and Commerce College, Guj.	-do-	66,400
Sir P.P. Instt. of Science, Dhavanager	Assistance for undertaking minor research projects	750
K.S. Arts and Commerce College Potad	Students Aid Fund	2,000
		94,782

5. Shivaji University:

Award of Teacher Fellowship under the Faculty Improvement Programme.	23,000
-do-	8,236
-do-	26,500
Financial Assistance to Teachers for undertaking minor research projects in Science Subjects.	1,600
JRF in Science	49,000
Award of Teacher Fellowship	3,000
National Associateship	800

Affiliated Colleges:

S.G.M. College Karad	Grants to affiliated colleges for the construction of Teachers Hostel	50,000
Jaysingpur College Jaisingpur	Development of play fields	1,500
S.N. Mahavidyalaya Kolhapur	Assistance for minor research projects	1,400
Raje Ramrao Mahavidyalaya Jath Distt. Sangli	Students Aid Fund	2,000
Pandharpur College Pandharpur	-do-	5,344
Arts, Commerce and Sc. College Miraj	-do-	3,500
Bolasaleb Desai College, Patan	-do-	936
Shree Narana Mahavidyalaya Waranangar	-do-	2,304

Shivaji University (Contd.)

Affiliated Colleges

Azad College of Education, Satara	Students Aid Fund	1,084
P.P. College of Education, Condia	Grants to affiliated colleges for the establishment of Book Bank	1,056
		1,81,260

76. S.N.D.T. Women's University

Establishment of Women's Polytechnic at Bombay	50,000
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50,000

77. South Gujarat University

JRF in Science	21,000
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Affiliated Colleges:

M.R. Arts and Science College Raingala (Guj.)	Grants for books to students (Book Bank)	15,000
S.K.M. Law College, Valaed	-do-	378
S.V. Regional College of Engg. & Technology, Surat	UGC Assistance for the research projects	16,000
Shree Jauendrapuri Arts and Science College, Bharuch	Development of play fields	5,000

South Gujarat University (Contd.)

Affiliated Colleges

S.B. Gardē College (Arts) and P.K. Patel College of Commerce Navsari (Guj.)	Students Aid Fund	3,000
P.J. Science College Bardoli	-do-	438

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60,816

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Sri Venkateswara  
University

Award of Teacher Fellowship	1,637
-do-	40,500
-do-	1,625
-do-	3,491
-do-7	82
-do-	3,473
-do-	4,392
-do-	3,967
-do-	3,628
-do-	1,397
-do-	3,475
-do-	4,394
-do-	3,660

Financial Assistance to Teachers  
in the universities and colleges  
for undertaking minor research  
projects in Science subjects. 700

Appointment of additional staff  
in Humanities during IV Plan.

Sri Venkateswara  
University (Contd.)

Research project entitled Study of Breakdown and Pre-breakdown Processes in Gases in Electrical Fields.	30,000
UGC Assistance for the research projects	3,400
Writing of university books/monographs	2,000
Support for Advanced Research in the Humanities and Social Sciences	10,000
Grants towards fellowships approved by the Commission	1,19,051
Assistance to Teachers for research/learned work in Humanities and Social Sciences.	1,000
Seminar on Contemporary issue in Elementary Education	1,090
19th All India Labour Economic Conference	2,000
Purchase of Equipment	86,000
-do-	35,000

Affiliated Colleges

Postgraduate Centre Anantapur	Award of Teacher Fellowship	3,186
-do-	-do-	40
-do-	-do-	3,645
-do-	-do-	-
S.V. University PG Centre Anantapur	-do-	4,246
-do-	-do-	4,387

Sri Venkateswara  
University (Contd.)

Affiliated  
Colleges:

Sri Sathya Sai Arts & Science College for Women Anantapur	Organisation of seminar on the Idea of Nationalism in Independent India	8,000
P.G. Centre Anantapur	Grants for support of Research in the universities	25,000
S.V. Arts College Tirupati	Utilisation of outstanding retired teachers	8,750
Sri Sahaya Sai Arts and Science College for Women Anantapur	Organisation of Seminar on Radio Active Isotopes	5,500
Jawahar Bharati College, Kavali	Payment of salary	8,713
-do-	,713 -do-	8,714
-do-	-do-	9,041
-do-	-do-	9,181
-do-	-do-	8,408
Government college Codiapale	Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	6,900
Kurnool Medical College, Kurnool	-do-	1,000
S.K.B. Govt. College, Cuhur	-do-	1,000
Visvodaya College Venkatagiri Town	-do-	750
Jawahar Bharati Kavali	-do-	1,000
Sathya Sai Arts & Science College for Women, Anantapur	Book Bank	2,500

Sri Venkateswara  
University (Contd.)

Affiliated Colleges:

Viaveaya College Vankategiri Town	Setting up Book Bank	2,500
Sri Sathya Sai Arts and Science College for Women Anatanpur	Students Aid Fund	921
Jawahar Bharati Kavali	-do-	1,760
Sri Venkateswara College, Suryopet Distt. Nalgonda	-do-	1,800
B.T. (Evening) College, Madanpalle	Book Bank	5,000
Sri Venkateswara College, Suryapet	-do-	4,000

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5,14,509

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79. Udaipur University:

SRF in Science	2,000
Financial Assistance to Teachers of Universities and colleges for undertaking minor research projects.	2,000
-do-	1,250
Award of Teacher Fellowship	1,655
-do-	238
-do-	239

Affiliated  
Colleges.

Vidya Bhawan Govindram Seksaria Teachers College Udaipur	Writing of university level books/monographs
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Udaipur University (Contd.)

Affiliated Colleges:

Rajasthan Vidyapeeth Udaipur (Raj.)	Fifth Five Year Plan-Improvement of Undergraduate educational facilities.	
Vidya Bhawan Rural Institute Udaipur	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science subjects.	2,000

10,493

80. Utkal University:

Award of Teacher Fellowship	9,000
-do-	6,000
-do-	13,137
-do-	6,000
-do-	17,700
-do-	1,608
-do-	4,629
-do-	4,643
-do-	4,651
-do-	4,047
-do-	3,774
Writing of university level book/monographs	1,140
Financial Assistance to Teachers in the universities and colleges for undertaking minor research projects in Science subjects.	1,000
-do-	2,000
-do-	1,750



Utkal University (Contd.)

	Financial Assistance to Teachers and in the universities and colleges for undertaking minor research projects in Sc. subjects.	1,500
	Construction of 198 seated Men's Hostel IV Plan Scheme.	10,000
	UGC Assistance for the research projects	31,800
	Purchase of Library books and journals for Science and Humanities Departments in the Central Library.	1,50,000
	Purchase of equipment for the Chemistry Department.	85,000
	Support for Advanced Research in the Humanities and Social Sciences.	11,500
	Grant-in-aid towards the purchase of vehicle for the department of Anthropology.	1,110
	JRFs in Science	50,000
	JRE in Humanities	4,800
	Development of play fields and purchase of accessories for games and sports.	1,250
<u>Affiliated Colleges.</u>		
Godavari Mahavidyalaya Banspur	Payment of salary	6,415
Banki College, Banki.	Construction of library building	40,000
Ravenshaw College, Cuttack	Support for Advance Research in the Humanities and Social Sciences.	2,000
S.G.S. College Puri	Assistance for research projects in Science.	6,000

Utkal University (Contd.)Affiliated Colleges:

Ravenshaw College Cuttack.	Utilisation of services of out- standing retired teachers.	6,000
Kendrappa Coll. Kendrapara	Construction of teachers' hostel	30,000
Regional College of Education Bhubaneswar	Travel grant	300
M.P.C. College Baripada Mayarbanj	College Humanities and Social Sciences Improvement Programme	71,400
Institute of Physics Bhubaneswar	Award of Teacher Fellowship	3,750
Ravenshaw Coll. Cuttack.	-do-	1,625
M.S. College Baramba	Students Aid Fund	1,800
Vyasanagar College, Cuttack.	Book Bank	1,000
Karanjia College, Karanjia	-do-	4,000
Bhadrak College Bhadrak	-do-	4,750
Karanjia Coll. Karanjia	-do-	1,500
		6,08,579

81. Vikram University:

	Award of Teacher Fellowship	4,627
	-do-	18,000
	-do-	1,500

Vikram University:(Contd.)

	Award of Teacher Fellowship	1,500
	-do-	9,000
	JRF in Science	49,000
	UGC Assistance for the research projects	38,008
	Assistance to universities for JREs under V Plan Period	75,000
	Assistance to teachers for undertaking minor research projects in Science subjects.	1,000
	-do-	1,000
<u>Affiliated Colleges:</u>		
M.V. Mahavidyalaya Ujjoia	Assistance to teachers for undertaking minor research projects in Science subjects.	500
Govt. College Khargone.	-do-	500
Govt. Girls College, Ujjain.	Research Fellowships in Humanities.	2,400
Sadipani Coll. Ujjain.	Assistance to college for the development of play fields and purchase of accessories for games and sports.	3,000
Govt. J.N. Degree College Barwaha	-do-	6,000
Govt. College, Barwani	-do-	6,000
Govt. Girls Degree College Ratlam	-do-	6,000

Vikram University  
(Contd.)

Affiliated Colleges:

Govt. College, Ratlam	Financial Assistance to colleges for the development of play fields and purchase of accessories for games and sports in colleges during Vth plan period.	6,000
-do-	Development of undergraduate colleges during Vth plan period.	1,00,000
Govt. College, Rajgarh.	Grants to affiliated colleges for the Book Bank . . .	. 1,500
Madhav Vigyan Mahavidyalaya Ujjain.	-do-	1,625
Govt. College, Jaora	-do -do-	3,249
Nehru Govt. College, Agar- Malwa	Students Aid Fund	931
Govt. Degree College, Jhabum	-do-	2,140
-do-	-do-	1,378
		<hr/>
		<u>3,39,858</u>

Visvva Bharati

JRF in Science	39,000
Award of Teacher Fellowship	3,198
Utilisation of services of outstanding retired teachers.	8,750
	<hr/>
	<u>50,948</u>

Institutions deemed to be  
Universities:

1. Gujarat Vidyapith:

Development of Rural Campus  
(Golden Jubilee Grant) 15,000

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15,000

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2. Indian School  
of Mines,  
Dhanbad.

Adult/Continuing Education  
Programme. 10,000

Studentships of the value of  
Rs. 250/- p.m. to the students  
of M.Sc. course in Applied  
Geology & Applied Geophysics. 27,000

Purchase of Equipment during  
Vth Plan Period. 10,00,000

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10,37,000

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3. Indian Institute  
of Science,  
Bangalore.

Research Fellowships in  
Science 6,000

-do- 800

Research Fellowships in  
Engineering and Technology 5,274

Award of Teacher Fellowship 9,000

-do- 4,665

-do- 22,500

-do- 12,500

Writing of university level  
books/monographs

Indian Institute of  
Science, Bangalore  
(Contd.)

UGC Assistance for the research  
project entitled Growth of Some  
Ferroelectric ferroalastic  
piezoalastic and magnetic 10,000  
crystals and their characteri-  
sation.

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10,000

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4. Tata Institute . . . .  
of Social Sciences,  
Bombay.

Unit for the Study of Urban  
Child and Youth 20,000

Salaries of staff for data  
processing unit during Vth  
plan period 17,000

Construction of staff  
quarters 2,00,000

Institutions other than Universities &  
Deemed as University.

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2,37,000

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5 Central Leather  
Research Instt.  
Madras.

- Award of Teacher Fellowship 3,725

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3,725

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6 Central Rice  
Research Instt.  
Cittack

Award of Teacher Fellowship

Central Rice Research  
Institute, Cuttack (Contd.)

	Award of Teacher Fellowship	4,641
	-do-	1,500
	-do-	3,319
	-do-	3,491
		<hr/>
		14,811
		<hr/>
7	<u>Indian Institute of Technology, Delhi.</u>	
	Award of Teacher Fellowship	7,000
	-do-	4,547
		<hr/>
		11,547
		<hr/>
8	<u>Indian Institute of Technology, Bombay.</u>	
	Award of Teacher Fellowship	4,616
		<hr/>
		4,616
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9	<u>Indian Institute of Public Administration New Delhi.</u>	
	Award of Teacher Fellowship	3,491
		<hr/>
		3,491
		<hr/>
10	<u>National Botanic College, Lucknow</u>	
	Award of Teacher Fellowship	
	-do-	

11 National Chemical  
Laboratories, Poona

Award of Teacher Fellowship 1,500

-do- 4,500

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6,000

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12 National Institute  
of Foundry and Forge  
Technology, Ranchi.

Award of Teacher Fellowship . 4,243 . . .

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4,243

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Total Plan: 2,87,91,947.27

NON-PLAN

Aligarh Muslim  
University.

Central Universities-  
Maintenance Grant for  
1977-78.

1,44,37,500

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1,44,37,500

Banaras Hindu  
University.

Central Universities-  
Maintenance Grant for  
1977-78.

1,85,81,500

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1,85,81,500

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University of  
Delhi.

Central Universities-  
Maintenance Grant for  
1977-78



University of Delhi  
(contd.)

Affiliated Colleges.

Bharati Mahila College, New Delhi.	Maintenance Grant for 1975-76	21,800
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Daulat Ram College, Delhi.	Grant for Hostel Mess staff for 1975-76	13,944
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St. Stephen's College, Delhi.	-do-	15,603
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95,04,097

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Jawaharlal Nehru  
University.

Central Universities- Maintenance Grant for 1977-78	42,73,000
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42,73,000

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Visva-Bharati

Central Universities- Maintenance Grant for 1977-78	1,12,65,750
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1,12,65,750

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Indian School  
of Mines, Dhanbad

Payment of Block Grant during 1977-78	17,61,000
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17,61,000

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Indian Institute  
of Science, Bangalore

Payment of maintenance  
grant

Tata Institute of  
Social Sciences,  
Bombay.

Maintenance Grant for 1977-78 1,90,000

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1,90,000

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Total Non- Plan : 6,57,29,847.00

Grand Total (Plan Non-Plan) 9,45,21,794.27

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 17th October, 1977

Item No.4 . To receive a statement showing expenditure incurred by the University Grants Commission during the year 1977-78 (upto 30th September, 1977).

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Section I- Non-Plan Projects	Budget Estimates 1977-78 (Rs. in lacs)	Provisional expenditure upto 30.9.1977 (Rs. in lacs)
A. Administration Charges	69.11	34.88
B. Block Grants		
i) Grants to Central Universities	2020.00	1158.38
ii) Grants to Instts deemed to be universities.	359.76	241.41
iii) Grants to State Universities for specific purposes.	9.00	3.00
C. Maintenance Grant to Delhi Colleges.	850.00	541.30 *13.55
D. Grants not covered under Block Grants-Health Service Scheme	10.63	0.59
Total Section-I	3318.50	1979.56 *13.55
 <u>Section II-Plan Project</u>		
A. Grants to Central & State Universities for Humanities	453.00	137.15
B. Grants to Central & State Universities for Science	948.00	246.24 *3.95
C. Grants to Central & State Universities for Engineering & Tech.	@ 647.00	58.72
D. Grants to constituent/affiliated colleges.	685.00	202.22 *0.10
E. Grants to Central & State Universities for Miscellaneous Schemes.	1732.00	267.24 * 8.77
F. Misc. Expenditure UNESCO Coupons	-64.00 -	- 12.59 -
Total Section II:	4529.00	924.16 *0.92
Total Section I & II :	7847.50	2903.72 *14.47

@ a.) Rs. 547 lakhs for Engineering & Technology for 1977-78 plus Rs. 100 lakhs to be provided by Department of Coal.

\* b) Rs. 3882 lakhs for Development Schemes under Plan for 1977-78.

Section III- Expenditure out of grants received from Government of India and the other sources for specific purposes.

SCHEME UNDER OPERATION BY THE COMMISSION

A. Out of Grants received from Ministry of Education & Social Welfare.

i)	Evaluation of Books	850
ii)	Fellow for Writing of Books	1,67,345
		** 34,052
iii)	National Award of Prizes	** 11,113
iv)	National Service Scheme	1,05,000
v)	National Sports Organisation Programme	
a)	Construction of Gymnasium	83,871
b)	Play fields	10,354

B. Out of grant from N.C.E.R.T.

i)	National Survey on Higher Education	-
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C. Out of grant from Gandhi Samarak Nidhi

i)	Construction of Gandhi Bhavan in Universities.	-
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D. Out of Interest received on Endowment Funds

i)	Hari Om Ashram Trust Endowment Fund	-
a)	Science	-
b)	Life Science	-
ii)	Dr. Zakir Hussain Memorial Lecturer	7,400
iii)	Shri Aurbindo Memorial Lectures	700
iv)	Ram Charit Manas	10,000
v)	Dr. Ambedkar Memorial Lectures	8,272

Total Section-III 4,38,957

Total Section I, II and III 2908.11 (Rupees in la-khs)

\* 14.47

Section IV Deposits & Advances

i)	Conveyance Advance	12,935
ii)	Festival Advance	1,500
iii)	House Building Advance	1,26,450
iv)	Fan Advance	-
v)	Food Grain Advance	2,300
vi)	UGC Departmental Canteen	-

Total Section IV 1,43,185

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Expenditure during 1976-77 upto 30-9-76 was as under :

Section I Non-Plan project	1,931.31
Section II Plan Project	836.51
Total Section I & II	<u>2,767.82</u>

\*\* Administration charges .

\* By adjustment.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 17th October, 1977.

Item No. 5 To receive a Statement indicating the progress of issue of utilisation certificates during the period ending 30th September, 1977.

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The Commission desired (Resolution no. 5), dated the 12th May, 1975 that it should be kept informed of the progress of clearance of utilisation certificates after two months bringing the statement upto date i.e. upto 1973-74. The statement showing clearance of Plan and Non-Plan items for the period ending 30th September, 1977 is given in Annexure.

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\*SLK\*

## OUTSTANDING UTILISATION CERTIFICATE

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PLAN

Year to which pertains	Outstanding as on 1.8.1977		Outstanding as on 1.10.1977	
	No. of Items	Amount	No. of Items	Amount
1958-59	64	21.78	64	21.78
1959-60	94	23.99	93	23.98
1960-61	207	33.17	205	32.86
1961-62	340	84.57	334	83.26
1962-63	835	121.01	814	116.67
1963-64	1105	186.41	1075	173.20
1964-65	1712	193.19	1686	186.54
1965-66	2069	249.71	2039	240.51
1966-67	1907	257.13	1892	252.93
1967-68	2716	343.10	2703	337.99
1968-69	3260	369.65	3236	369.03
1969-70	5030	319.05	5011	313.77
1970-71	6144	941.63	6112	928.65
1971-72	7106	1111.20	7058	1101.09
1972-73	5442	1294.21	5406	1287.70
1973-74	4666	1083.35	4621	1067.98
Total	42697	6633.15	42349	6537.94

Item Cleared : 348

Amount Cleared : Rs. 95.21 lakhs

NON-PLAN

Year to which pertains	Outstanding as on 1.8.1977		Outstanding as on 1.10.1977	
	No. of Items	Amount	No. of Items	Amount
1969-70	1	.80	1	.80
1970-71	-	-	-	-
1971-72	6	9.00	3	5.50
1972-73	13	81.90	6	8.23
1973-74	37	416.41	30	289.09
Total	57	508.11	40	303.62

Item Cleared : 17

Amount Cleared: Rs. 204.49 lakhs.

\*SLK\*

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

17th October, 1977

Item No. 6: To consider the following postponed Items of the last meeting:-

- (17) To consider a reference from the Ministry of Education and Social Welfare regarding the recommendations made by the working group I appointed by the Ministry of Home Affairs at its meeting held on 27th November, 1976 on National Integration.
- (21) To consider a reference received from the Vice-Chancellor, North Eastern Hill University regarding a resolution of the Postgraduate Studies Council, North Eastern Hill University to increase the percentage of reserved seats in Post-graduate Classes for Scheduled Castes and Scheduled Tribes and other Backward Classes.
- (22) To consider the proposal of North Eastern Hill University for setting up of College Development Council.
- (24) To consider the proposal of the Jadavpur University for additional staff during the Vth Plan period for the Department of Physics & Mathematics (Withdrawn in the light of the decision taken on Item No. 25).
- (26) To consider further the proposal of Kalyani University for change in the field of Specialisation of the post of Professor in Zoology approved during the Vth Plan period.
- (27) To consider a proposal from Kalyani University for sanction of one post of Lecturer each in Russian and Chinese.
- (28) To consider proposals from Kalyani University for UGC's assistance in the light of implementation of the schemes approved during Vth Plan period (withdrawn-Revised item included in the Agenda).
- (29) To consider the proposal of the Calicut University for the provision of an additional amount of Rs.1,51,890/- in respect of the IVth Plan Staff Quarters outside the Vth Plan allocation.
- (30) To consider for acceptance proposals included under the IIInd and IIIrd priorities by the Vth Plan Visiting Committee which assessed the development needs of the Karnatak University.
- (31) To consider the proposal of Bhopal University for additional grants for purchase of books and journals, equipment and construction of buildings.

:2 :

- (32) To consider the proposal of Kashi Vidyapith, Varanasi for creation of a Professor's post in the Department of Hindi.
- (33) To consider the proposal of the Aligarh Muslim University for change of designation of the staff working in the Computer Centre, and for upgrading the post of Associate Lecturer-cum-Programmer to that of a Lecturer.
- (34) To consider further the proposal of Aligarh Muslim University for expansion of Computer facilities.
- (35) To consider the proposal of the Rajasthan University for financial assistance towards introduction of Post-graduate courses through correspondence.
- (36) To consider a proposal from Indian School of Mines, Dhanbad for starting (i) B.Tech. (Mining Machinery) Degree Programme and (ii) M.Tech. (Mining) Industry Oriented Programme.
- (37) To consider the proposal from Jodhpur University for reappropriation of funds during Vth Plan.
- (38) To consider a proposal from S.N.D.T. Women's University Bombay for additional allocation during Vth Plan.
- (39) To consider the proposal for the additional non-recurring grants required by the Department of Botany, Calcutta University under the programme of Special Assistance to selected departments.
- (40) To consider a reference from the Manipur Government regarding financial assistance to the Post-graduate Centre of Jawaharlal Nehru University at Imphal.
- (41) To consider a proposal from the Magadh University for the creation of a post of Professor in the Department of Ancient Indian History and Asian Studies.
- (43) To consider the report of the Visiting Committee for Government College, Shivpuri (M.P.) for the development of Post-graduate education during the Vth Plan period.
- (46) To consider the recommendations of the Standing Committee for the College Science Improvement Programme (COSIP) made at its meeting held on 8-9, September, 1977.



C O N F I D E N T I A L

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 26th September, 1977.

Item No.17 : To consider a reference from the Ministry of Education & Social Welfare regarding the recommendation made by the working group I appointed by the Ministry of Home Affairs at its meeting held on 27th November, 1976 on National Integration.

.....

The Ministry of Education & Social Welfare have sent a copy of the Office Memorandum from the Ministry of Home Affairs along with the recommendations made by the working group I at its meeting held on 27th November, 1976 on National Integration for implementation by the Commission. A copy of the O.M. from the Ministry of Home Affairs is enclosed (Annexure).\* The recommendation made by the Working Group I at its meeting held on 27th November, 1976 are reproduced below:-

I. Elimination of Violence-Communal and General

- (1) Special efforts should be made to ensure that communal elements in educational institutions do not gain control of students organisations. Communal elements should also be weeded out from the staff of Universities and Colleges, etc.
- (2) The text-books for schools and colleges may be so designed as to inculcate in the minds of pupils an integrated outlook and sense of unit of India as well as the basic composite cultural background of India. The books must particularly stress the secular outlook of modern India. Prizes and cash awards should be given to authors of books and publicity materials which promote the above objectives. Existing arrangements for scrutiny of contents of text-books for schools and colleges should be strengthened to prevent the propagation of separatist or divisive concepts.

PTO

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- (3) Celebrations should be organised in honour of saints and other historic figures like Kabir, Rahim, Rahim, Emperor Akabar, Guru Nanak etc. whose life and work symbolise the Indian unity in diversity. Martyrs of the freedom struggle, and other patriots should be similarly honoured.
- (4) Youth camps and student meets should be organised so that teachers and students from different communities and different parts of the country can have the opportunity to live and work together. Visits by groups of students during vacations to different parts of the country should be encouraged and facilitated.
- (5) In the educational sphere, legitimate demands and needs of students, should be looked into and provided for well in time. Political parties should refrain from involving students in non-academic controversies.

## II. Minorities, including the problem of their employment.

- (1) Government should stop giving aid to the educational institutions which are instilling communal, regional or parochial feelings among the students.
- (2) Educational and psychological backwardness, especially among women, should be removed, greater emphasis should be placed on modern education, as opposed to traditional education, especially on science and technical education.
- (3) In encouraging students of the minority communities to contribute their best to the national effort, they should be offered opportunities for seeking admission to reputed and progressive educational institutions. The students must be drawn away from institutions which have a narrow approach and cater mainly particular community. Such schools and colleges might well be shaken out of their parochialism if students are weaned away from them.
- (4) There should be opportunities for greater mixing of Muslims and Non-Muslims students in particulars. Well thought out programmes for this purpose should be woven into the curricula of schools and colleges.

In this connection attention is invited to the following which was communicated to the universities in september, 1975.

p.t.o.

The National Integration Council had also made recommendation in 1968 on the influence of communal organisations in universities and other major educational institutions. The Council had recommended inter-alia "the service regulations of teachers in Government and Government aided Schools and Colleges should be modified and provision made to facilitate removal from service of teachers who may be found guilty of such activities."

As you may be aware, the various reports received from different parts of the country indicate that various communal organisations in the country continue to have a considerable influence in the universities/colleges and other institutions of higher learning. It is, therefore, urgent that necessary steps to treat communal activities of various kinds as improper conduct on the part of university and college teachers. Punishment for teachers who violate the code of conduct laid down by the universities may extend to removal of teachers from service if they are found guilty of communal activities. I should be grateful if you take necessary steps to modify the University's Statutes/Rules in this connection.

The matter is placed before the Commission for consideration.

AS(CP)

are taken to contact this situation you may therefore necessary steps

Annexure to Item No.17

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Copy of Office Memorandum No. I-12014/1/76-NID(C) dated 28.2.1977 from Shri Rajan Kashyap, Deputy Secretary to the Govt. of India, Ministry of Home Affairs, New Delhi to The Ministry of Education & Social Welfare, New Delhi regarding Meeting of Working Group I on National Integration held at Vigyan Bhavan, New Delhi, on 27th November, 1976 to consider in depth certain problems of national integration-Follow up action.

The undersigned is directed to state that the first meeting of the Working Group I on National Integration set up in this Ministry under the Chairmanship of the Home Minister was held at Vigyan Bhavan, New Delhi, on 27th November, 1976. The meeting was inaugurated by the Prime Minister.

2. The recommendations of the Working Group which concern the Ministry of Education and Social Welfare are listed in the enclosed statement. It is requested that the Ministry of Education and Social Welfare may kindly initiate immediate action to implement the recommendations under intimation to this Ministry.

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Confidential

UNIVERSITY GRANTS COMMISSION

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Meeting : 26th Sept. 1977.

Dated : 26th Sept. 1977.

2-1

Item No. : To consider a reference received from the Vice-Chancellor, NEHU regarding a resolution of the Post-Graduate students' Council, NEHU demanding increase in the percentage of reserved seats in P.G. classes for Scheduled Castes & Scheduled Tribes; and other backward classes.

.....

The Commission at its meeting held on 21st March, 1977 considered a note regarding the reservation of seats to various courses in universities/colleges for students belonging to Scheduled Castes & Scheduled Tribes (Item 30). The Commission had inter alia desired that the universities be advised to implement the provision for reservation quota for Scheduled castes and scheduled tribes in the same manner as is done by the IITs.

The Ministry of Education & S.W. was requested to supply the information as obtaining in the I.I.Ts in this regard so that the universities may be requested to follow the same pattern. As the reply sent by the M/E was not clear it was again requested to furnish specific information vide UGC letter dated 7.5.1977. The reply to the reference from the Ministry is still awaited.

In the meantime the UGC has received a letter from the Vice-Chancellor, NEHU enclosing a copy of the resolution adopted by the Post-Graduate Students' Council of the University at its meeting held on 23.4.1977 asking for increase in the reservation for Scheduled Castes and Scheduled Tribes from 40% to 50%, and 10% of the remaining seats for 'Other backward classes'. A copy of the letter is enclosed (Appendix-I)\*

\*p 231

The matter is placed before the Commission for consideration.

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Resolution No.IV dated 23.4.77 of the Post-graduate  
Council, NEHU.

.....

IV. The Council unanimously approved the Executive Resclution  
of demanding an increase percentage of reserved seats in the  
P.G. Classes for Scheduled Tribes/Castes from 40% to 60%. Over  
an above this, 10% of the remaining seats are to be reserved  
for other Backward Classes.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION  
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Meeting:

Dated : 26th Sept.77.

Item No. 22 : To consider the proposal of the North Eastern Hill University for setting up of College Development Council.

.....

The North Eastern Hill University has sent a proposal for setting up a College Development Council. The requirements of the University in this regard are as indicated below:-

1. Inspector of Colleges (in the scale of Rs. 1500-60-1800-100-2000-125/2-2500)
2. Superintendent (Non-Gazetted) One
3. U.D. Assistant-Cum-Accountant One
4. Stenographer One
5. Steno-typist One
6. L.F. Assistants Two
7. Driver One
8. Peon One
9. Cleaner One

Further, the North Eastern Hill University, has also mentioned that the university has special problems with regard to transport and therefore, the Inspector of Colleges will have to be provided with a vehicle. The estimated cost of a suitable vehicle (Station wagon) would be around Rs. 50,000/- which will be in addition to the above requirements.

The present strength of the Officers (Non-teaching) at North Eastern Hill University is given below :-

1. Officer on special Duty 5  
OSD (Exam) = 1  
OSD (Finance) = 1  
OSD (Admin) = 1  
OSD (Campus) = 1  
Nagaland = 1  
OSD (Campus) Dev = 1

n.t.o.

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2. Assistant Registrar	3	Asstt. Registrar (Academic)
		Asstt. Registrar (Exams)
		Asstt. Registrar (Admin)
3. Librarian	1	
4. Statistician	1	
5. PS to vice-Chancellor	1	
6. Director of Sports	1	
7. Asstt. Librarian	2	
8. Planning Officer	1	
9. Chief Project Engineer	1	
10. Asstt. Finance Officer	1	
11. Editor	1	
12. Medical Officer	2*	Approval being con
13. Asstt. Engineer	1	

\* One Lady M.O.  
One Male M.O.

\* p 192-193

p 194-195

The composition and functions of the proposed college Development Council is given in the Annexure -I \* The Commission has suggested guidelines for setting up the College Development Council in affiliating Universities. A copy of the same is at Annexure .II.@

The University has subsequently informed that both the Academic and Executive council have agreed to the setting up of the college Development council. Further the University has requested for the sanction of a post in the scale within maximum of Rs. 2000/- for consultant or adviser on colleges and allied matter.

The proposal of the North-Eastern Hill University is placed before the Commission for consideration.

AS(D-5a)/ D.S. (D-5a)

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## COMPOSITION OF THE COUNCIL

.....

1922

1. The Vice-Chancellor - Chairman (Ex-officio)
2. All Deans of the University - Member (Ex-officio)
3. The Directors of Education of the two states of Meghalaya and Nagaland and the Union Territory of Mizoram. - Members (Ex-officio)
4. Six Principals nominated by the Vice-Chancellor for a period of two years from the Units within the jurisdiction of the University. - Members
5. Four College teachers nominated by the Vice-Chancellor for a period of two years from the units within the jurisdiction of the N.E.H.U. - Members
6. The Officer on Special Duty (Affiliations & Examinations) // Controller of Examinations - Member (Ex-officio)
7. The Officer on Special Duty (Admn.) // Registrar - Member (Ex-officio)
8. The Officer on Special Duty, NEHU Campus, Kohima. - Member (Ex-officio)
9. The Planning Officer, NEHU (Post already advertised) - Member (Ex-officio)
10. The Director of Sports, NEHU - Member (Ex-officio)
11. Three Representatives of Industry, Commerce and Cultural affairs to be nominated by the Vice-Chancellor for a period of three years. Members.
12. The Inspector of Colleges (The post to be created) - Member-Secretary (Ex-officio)

Meeting.

The Council shall meet at least once in two months. The Member-Secretary shall prepare the agenda with the approval of the Chairman and issue notices of the meeting 15 days before the date of meeting.

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## Functions

1. The functions of the College Development Council may inter-alia be to advise the University on all matters relating to the development of affiliated Colleges, such as : provision of adequate facilities- academic and Physical- for raising the standard of learning, teaching and research and its periodic evaluation; implementation of the policy of the University on affiliation of Colleges, keeping a close contact with Colleges with a view to helping in their proper development; selection of teachers, student amenities, proper utilisation of grants and efficient implementation of UGC approved projects and reforms, such as Examination reforms, restructuring of courses, COSIP, COHSIP etc. It would enable the University to take long-term decisions on the development of affiliated Colleges and to decide on the matters relating to different disciplines taught in Colleges at different stages of University Examination. It might also enable the University to maintain a reasonable continuity of policy in regard to development of Colleges. The Council may also help in Planning for location of new Colleges to be established and also select development of some Colleges to remove regional imbalances and also help in identification of Colleges for autonomous Status.
2. Review the Inspection Reports submitted by the Inspector of Colleges and suggest remedies for the defects and irregularities reported.

Guidelines for College Development Council in  
an Affiliating University

22  
1947

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The University Grants Commission accords a very high priority to the development of affiliated colleges as about 85% of the total student population at the University stage receive instructions in these colleges. Also about five out of every six teachers at this stage work in the affiliated colleges.

2. With a view to improving the standard of collegiate education in the real sense in the country, it is necessary that there is an all round development of affiliated colleges and that is possible if the conditions of teaching and learning therein are improved substantially. For the proper and integrated development of colleges, the Commission has considered it desirable that a College Development Council may be established in an affiliating university.

3. The functions of the College Development Council may inter-alia be to advise the university on all matters relating to the development of affiliated colleges, such as : provision of adequate facilities- academic and physical- for raising the standard of learning, teaching and research and its periodic evaluation; implementation of the university's policy on affiliation of colleges, keeping a close contact with colleges with a view to helping in their proper development; selection of teachers, student amenities, proper utilisation of grants and efficient implementation of UGC approved projects and reforms, such as examination reform, restructuring of courses, COSIP, COHSIP etc. It would enable the university to take long-term decisions on the development of affiliated colleges and to decide on matters relating to different disciplines taught in colleges at different stages of university education. It might also enable the university to maintain a reasonable continuity of policy in regard to development of colleges. It would be desirable to lay down the functions of the College Development Council in the statutes/ordinances of the universities.

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The Council may also help in planning for location of new colleges to be established and also selective development of some colleges to remove regional imbalance and also help in identification of colleges for autonomous status.

4. The College Development Council might consist of Vice-Chancellor; a few teachers of the university, some principals of colleges and a representative of State Government and a few teachers of the colleges. The total memberships of the Council should not exceed 30.

5. The College Development Council may meet at regular intervals to review the implementation of various programmes. The expenses on the T.A. and D.A. of the members for attending the meeting could be met out of the unassigned grants placed by the UGC at the disposal of the University.

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 26th September, 1977

Item No. 25: To consider further the proposal of Kalyani University for change in the field of specialisation of the post of Professor in Zoology approved during V Plan period.

The Visiting Committee of the University Grants Commission which examined the V. Plan Development proposals of the University of Kalyani, inter-alia, made the following comments regarding the department of Zoology:-

"The Department specialises in cytogenetics and entomology, cell biology and fisheries. The existing staff is 1 Professor, 2 Readers and 9 Lecturers. Of these 10 teachers possess research qualifications. During the Fourth Plan period the Commission had approved additional posts of 1 Professor, 3 Readers and 6 Lecturers. These posts could not be filled up. The department has produced 20 Ph.Ds. and has published 200 papers. Fifteen research scholarships/junior fellowships are available in the department. It is also one of the very active centres of research in animal cytogenetics, fisheries and cell biology. It has on rolls a number of research scholars. Two research schemes, one from the CSIR are in hand."

The Committee recommended one post of Professor (Entomology), 2 posts of Readers and 2 posts of Lecturers. The Commission, however, keeping in view the limited resources available with it for the V plan period sanctioned only one post of Reader for the Department of Zoology. Subsequently, the University sent a proposal for creation of an additional post of professor in the Department of Zoology. The Commission at its meeting held on 20th December, 1976, inter-alia, considered the proposal of the Kalyani University and agreed to provide an additional post of Professor with specialisation in Entomology during the V plan period (item No. 15). Subsequently the Vice-Chancellor of the Kalyani University requested that the field of specialisation for the above post of Professor may not be restricted only to Entomology and this may be broadened to include Cytology and Genetics, Cell, Biology, Entomology, Fishery and Parasitology. The

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University mentioned that in case the specialisation is restricted to Entomology only, experienced and senior teachers havin, different specialisation will be debarred from applying. Since, the Department is running 5 special papers, it would be better to extend the fields of specialisation to all these five fields of specialisation viz. Cytology and Genetics, Cell Biology, Entomology, Fishery and Parasitlogy. The Commission considered this proposal of the university at its meeting held on 18th July, 1977 and expressed its inability to accept the proposal of the Kalyani University for broadening the field of specialisation of the post of Professor in Zoology during Fifth Plan period.

The Vice-Chancellor, Kalyani University has now informed that the section of Cell Biology is run by two senior teachers and one lecturer and has earned good reputation. Therefore, a Professor of Zoology with specialisation in Cell Biology is essential to make the section more active. Since the present head of the department of Zoology has specialised in Cytogenetics, . . . the University has requested that the Commission may sanction a post of Professor of Zoology with specialisation in Cell Biology in addition to the sanctioned post of Professor of Zoology with specialisation in Entomology. If the Commission finds it difficult to sanction one additional professor with specialisation in Cell Biology, then the Commission may approve the specialisation as Cell Biology/Entomology in the case of one post recently approved. A copy of the letter received from the Vice-Chancellor is attached. (Appendix)\*

p 253-254

The matter is placed before the Commission for consideration.

E.O. (D3)/DS (D-3)

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Copy of letter No. VC/200/77/69 dated 28.7.1977 from Vice-Chancellor, Kalyani University, Kalyani to Prof. Satish Chandra, Chairman, UGC.

Kindly recall our discussion held at your office on 21st July regarding my request to extend the field of specialisation to five instead of Entomology only as stipulated by the UGC for the post of Professor of Zoology sanctioned in the 5th plan. You informed me that the Commission could not concede to my request. I place the following matter for your reconsideration.

The Department of Zoology started with the inception of the University in 1961 and its achievements in all these years are quite praiseworthy, some of which the Commission may know. Further, the section of Cell Biology is run by two senior Readers and one Lecturer and has been very active like Cytogenetics and has earned good reputation. Therefore, a Professor of Zoology with specialisation in Cell Biology will be most befitting to make the section more active since Prof. G.K. Manna, M.Sc., D. Phil., P.R.S., D.Sc., F.N.A., F.N.A.Sc., specialized in Cytogenetics is looking after the other branch. In this connection, I may quote a line of the report of your 5th plan Visiting team to this University - "It is also one of the very active centres of research in animal cytogenetics, fisheries and Cell Biology" (Page 15, 7.6 para 3). I would, therefore, request you kindly to sanction a post of Professor of Zoology with specialization in Cell Biology in addition to the sanctioned post of Professor of Zoology with specialization in Entomology as desired by the UGC.

If the Commission finds it very difficult to sanction one additional Professor with specialization in Cell Biology I would at least expect that the Commission approves the specialization as Cell Biology/Entomology in case of one post. I had a discussion with the Head of the Department of Zoology and all other teachers of the Department concerned and they all subscribe to my above proposal. As the Vice-Chancellor of this University, I feel that the Head of the Department who is a very competent person and internationally known in his field should have the freedom of developing the Department in areas in which he thinks necessary.

Finally, in support of my proposition of creating an additional post of Professor of Zoology with specialization in Cell Biology or changing specialization as Cell Biology/Entomology to the sanctioned one, I may place the following

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instance.

In the Department of Chemistry of this University one Professor's post was originally sanctioned with specialization in Physical Chemistry in this plan. We wanted an additional post of Professor with specialization in Inorganic Chemistry. In response to this, UGC changed the specialization as Physical Chemistry/Inorganic Chemistry. We appealed for two posts again for these two branches to which the Commission kindly accorded sanction.

Considering the need and the achievement of the Department of Zoology as that of Chemistry, I personally feel very strongly that there should be three posts of Professors in the Department of Zoology. Therefore, I would request you kindly to sanction an additional post of Professor of Zoology with specialization in Cell Biology in addition to the sanctioned one.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 26th September, 77.

Item No. 27 : To consider a proposal from Kalyani University for sanction of one post of Lecturer each in Russian and Chinese.

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.... The Kalyani University has requested for two posts of Lecturers- one in Russian and one in Chinese. The University has stated that as per provision of the University Code, knowledge of a foreign language is one of the requirements for Ph.D. students. The proposed classes will be open to adults in the neighbourhood as well as to the University students and it has therefore got relevance for adult and continuing education. The University also proposes to organise Area study, once these new departments are opened.

In this connection it may be stated that the University Grants Commission had appointed an expert Committee to examine the proposals received from some universities in connection with the development of teaching of foreign languages. The committee noted that the courses in foreign languages, particularly in Russian, German and French, were being started by many universities in hurry and in a haphazard manner. It felt that those universities which offer courses in these three languages should be helped to strengthen their foreign language departments provided they are keen to utilise the financial assistance from the University Grants Commission to be made available to only such universities which have or agree to have at least one fully qualified and trained foreign language teacher (with a master's degree in the subject plus a diploma in teaching from the CIEFL, Hyderabad) for the certificate and diploma and B.A. level courses. If a university does not have a qualified teacher in any one of the three languages, it may make use of the faculty improvement programme and send the teacher concerned to the CIEFL for training in which case the University Grants Commission would provide to that university the salary of the substitute teacher. In order that all the

p. t. o.

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universities offering French, German and Russian are helped to improve their standards, it was recommended that assistance may be given to them to appoint a lecturer in each of the three languages on 100% basis for a period of five years. The University would have to treat this as committed expenditure at the end of this period. The Commission's assistance could also be given for library books and equipment. The extent of the Commission's assistance will depend on (i) the available facilities (ii) the needs of the development and (iii) the willingness of the department to improve the quality of its teachers in service training or by recruitment of additional qualified staff.

The above recommendations of the Committee were placed before the Commission for consideration at its meeting held on 16th May, 1977. The Commission generally accepted the recommendations of the Committee and agreed that assistance to the Universities for appointment of lecturers in French, German and Russian may be provided on 100% basis till the end of sixth plan provided the universities agree to treat this as a committed expenditure thereafter.

The matter is placed before the Commission for consideration.

E.O.(D-3b)/DS(D-3)

\*SLK\*

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

(259)

Dated : 26th September, 77.

Item No.29: To consider the proposal of the Calicut University for the provision of an additional amount of Rs.1,51,890/- in respect of the fourth plan staff quarters outside the Vth Plan allocation.

....

The University Grants Commission approved the proposal of the Calicut University for the construction of 64 Staff quarters during the fourth Plan, as detailed below; with Commission's share as Rs. 11,14,700/- on 50:50 basis:

1.	Professors quarters	(Type B or VIII)	11
2.	Lecturers Quarters	(Type C or VII)	12
3.	Lecturers Quarters	(Type D or VI)	19
4.	Class IV Quarters	(Type J or I)	22

Subsequently, the University constructed 23 staff quarters during the fourth plan without the approval of the Commission at a cost of Rs. 6,30,086.84 and approached the Commission for its 50% share amounting to Rs. 3,15,043.42. Since the construction of these quarters was undertaken by the university without the approval of the Commission, the proposal was not accepted. But later, when the university stated that it was forced to construct the above quarters and also keeping in view the fact that the Calicut University was newly established university far away from the city and was in dire need of staff quarters, the proposal was accepted as a special case subject to the condition that the university Grants Commission norms would be adhered to and that any amount paid on this account would be included in the fifth plan allocation. Since the university had indicated the completion cost of all the quarters (i.e. 64 quarters constructed with Commission's approval and 23 quarters constructed without Commission's approval) as Rs. 25,33,181/- the Commission's share on 50:50 basis came to Rs. 12,66,590/- which meant an increase in the share of the Commission of Rs. 1,51,890/- (i.e. Rs. 12,66,590/- minus Rs. 11,14,700/-) which was neither included in the spill-over amount nor in the new schemes sanctioned during the Vth Plan. The University was requested to intimate to the Commission as to how they would adjust the amount

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of Rs. 1,51,890/- within the Fifth Plan allocation.

The University has stated that they are not in a position to find out the amount either from their resources or from the fifth plan allocation already made, and has requested that the amount may be provided to the university either by increasing the spill-over allocation or from any other sources. A copy of the letter received from the university is attached as Annexure\*

\* p 261-262

In this connection, it may be mentioned that against the initial allocation of Rs. 150 lakhs the UGC in the 1st phase accepted schemes for Rs. 100 lakhs i.e. 2/3rd of the total outlay on the basis of the recommendations of the Fifth Plan Visiting Committee. This amount included an amount of Rs. 11.42 lakhs for various buildings projects to be taken up under first priority. Subsequently, an amount of Rs. 3 lakhs by way of UGC share was approved for the construction of language and social sciences block and Rs. 18.32 lakhs for the completion of the science block. Thus the amount already approved so far comes to Rs. 121.32 lakhs against the initial allocation of Rs. 150.00 lakhs including first, second and third priorities. This amount includes a provision of Rs. 32.74 lakhs for building projects. In addition to this a provision of Rs. 8.50 lakhs already exists for building projects under second and third priorities. Since the Commission allows only 25% of the total allocation for building projects (which should be Rs. 37.50 lakhs of the total allocation of Rs. 150 lakhs), it will not be possible to find an amount of Rs. 1,51,890/- now being requested for by the university within the Fifth Plan allocation already made unless the university is prepared to drop some of the building projects approved under second and third priorities amounting to Rs. 3.50 lakhs. In case the proposal of the University is accepted without dropping any of the building projects included under second and third priorities, the total fifth plan allocation of the university would increase by Rs. 1,51,890/- and the total provision for building projects would be of the order of Rs. 42.76 lakhs as against Rs. 37.50 lakhs normally permissible within rules.

The matter is placed before the Commission for consideration.

O.S.D./D.S(D.I)

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"SLK"

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Copy of letter No. AdEI/25130/72 dated 30.7.77 addressed to Prof. Satish Chandra, Chairman UGC from Vice-Chancellor Calicut University.

I write this letter to draw your kind attention to the Commission's letter cited, informing the University that there is no provision under which the spill over based on the IV Plan actual allocation and payments made upto 31.3.1977, can be enhanced and regretting its inability to accept the University's proposal for a further grant of Rs. 1,51,890/- over and above Vth Plan allocation.

In this connection, I would like to inform you that the Commission (vide letter No. F. 29-1/71 DI(a) dated 24.5.77) has approved all the staff quarters at the completion cost of Rs. 25,33,180/- and has agreed to meet 50% of the completion cost. This comes to an amount of Rs. 12,66,590/-. So far the Commission has released only a sum of Rs. 11,14,700/- towards the staff quarters constructed during IV Plan period. The balance of Rs. 1,51,890/- is due to the University from the Commission towards the above staff quarters.

The Commission now requests the University to find the above balance amount from out of the University's resources or out of the V Plan allocation already made. This practically amounts to the denial of the amount which the UGC was kind enough to sanction after reconsideration. Many construction works and Development Schemes are nearing completion and the University has to find considerable amount of money towards final stages of these schemes.

The Vth Plan allocation of the Commission to this developing University is not any way near the expectation. The position of the grant from State Government also is the same. With these meagre allocations, the University finds it too difficult to meet the requirements. Hence the direction of the Commission that the University should meet these items of expenditure from its resources or out of Vth Plan allocation is rather hard, especially in view of the fact that the Commission had already approved the staff quarters construction during IV plan period and agreed to meet 50% of the completion cost of all approved staff quarters.

Re-iterating the position, I would like to state that:-

i) the commission had already approved the construction of these staff quarters;

ii) the commission had agreed to pay 50% of the cost construction of these quarters;

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iii) this amount comes to Rs. 12,66,590/- (UGC letter No. F.29-1/71 DI(a) dated 24.5.77. )

iv) the Commission had already released only Rs.11,14,70 and

v) the balance due to the University comes to Rs.1,51,8

I would therefore request you to kindly bestow your personal attention on this matter and increase the spill over allocation of to find money from any other sources so as to give the full amount to the University as already sanctioned by the Commission towards the staff quarters construction during the IV Plan period.

I hope that the Commission will appreciate the University's position and release the balance grant to the University at an early date.

With warm regards, . . .

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Confidential

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UNIVERSITY GRANTS COMMISSION

Meeting :

Dated :

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Item No. : To consider for acceptance proposals included under the second and third priorities by the fifth plan visiting committee which assessed the development needs of the Karnatak University and Postgraduate Centre, Culbarga. 26th Sept. 1977

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1. Fifth Plan Programmes accepted by the Commission

On the basis of development needs assessed by the Fifth Plan Visiting Committee, the Commission had accepted for implementation development proposals of Karnatak University within the first priority to the tune of Rs.102.08 lakhs excluding research fellowships. Similarly, in the case of the Postgraduate Centre at Culbarga, development proposals with Commission's share limited to Rs.36.54 lakhs had also been accepted.

With the ceiling allocation indicated by the Commission the visiting committee had recommended development proposals with Commission's assistance limited to Rs.148.98 lakhs in three priorities for the University and Rs.54.99 lakhs with respect to the Postgraduate Centre. Out of these, the Commission had accepted the first priority programmes as indicated above the purposes for which these were approved by the Commission are given in Annexure I and II.

2. Second and Third Priority programmes recommended by the Visiting Committee :

The Commission at its meeting held in December, 1976 had decided "that it should be possible for the Commission to provide additional assistance for Books and Journals and equipment as recommended by the Visiting Committees, provided funds already sanctioned for the purpose have been utilised or firmly committed for these purposes." The Commission had also observed, "It might find it possible to provide grants for urgently needed hostel buildings and additional staff as recommended by the Visiting Committees on the merits of each case".

The Universities were also informed in January, 1977 that in the light of the present status of utilisation of grants already agreed to in the fifth plan, the universities may send

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its proposals for additional grants as above; they were also informed that in case the proposals made were to be different in any manner from the recommendations made by the Fifth Plan Visiting Committee in its report, necessary justification to such proposals may also be given. It has also been clarified 'that it may not be possible to consider entirely new proposals which were not placed before the Visiting committee unless the reasons for making such new proposals are strong and considered absolutely essential in the context of the improvement of standards of instruction and research in the universities."

Accordingly, the Karnatak University has now requested the Commission to sanction programmes recommended by the Visiting Committee under second and third priority programmes for both the University and Postgraduate Centre at Gulbarga. The second and third priority programmes for the University for Books, Equipment, Staff Quarters and additional staff are estimated to cost Rs.46.90 lakhs for the University and Rs.18.45 lakhs for the Postgraduate Centre as indicated in Annexure III and IV.

### 3. New Proposals proposed by the University :

In addition to the second and third priority programmes, the Karnatak University has also sought additional assistance for new programmes at an estimated cost of Rs.34.50 lakhs. For construction of an Auditorium Rs.25.00 lakhs on (50:50) basis; (2) Improvement of facilities for Health Centre Rs.5.00 lakhs, (3) Starting of PG Department of Marine Biology Rs.2.5 lakhs; (4) Special Equipment grant for the Language Laboratory Rs.2.00 lakhs. Annexure V gives the need and details of the above programmes.

#### New Programmes for the PG Centre at Gulbarga :

@. Similarly the University has also proposed new programmes for the PG Centre which are mainly for additional staff as indicated below:

	P	R	L	0	Staff Books
1. PG Deptt. of Urdu & Persian.	1	1	2	-	25,000
2. Physics	-	1	2	1	
3. Microbiology	-	1	2	1	
4. Economics	-	1	2	-	
5. Commerce	-	1	2	-	
6. History & Archaeology or Sociology.	1	-	2	-	
7. Hindi	-	1	2	-	

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The detailed justification by the University for the above is given in Annexure VI. The University has indicated that the above positions are urgently required with the starting of the new departments in June, 1977, as the work-load has doubled itself, the final year classes would also be started during 1977-78. It has, however, been suggested by the University that the requirements of the postgraduate department of Urdu and Persian will be adjusted within the second and third priority programmes.

5. The University has also intimated the progress of implementation of the first priority programmes already accepted by the Commission. This may be seen in Annexure VII and Annexure VIII. The University has informed that it has already spent the amount released by the Commission on Books and Equipment, has also placed for orders for additional items and as such the amount sanctioned already under the first priority is fully committed. As for additional staff, no progress has been intimated. As for buildings, as against Rs.4.50 lakhs released, the expenditure indicated is Rs.14.10 lakhs.

In the case of the Postgraduate Centre, the University has similarly informed that for books and equipment the entire grant sanctioned has been fully utilised. As for staff, no progress has been indicated.

The University has also forwarded a report of action taken on various recommendations made by the Fifth plan visiting committee (Annexure IX).

In view of the above, the following proposals of Karnatak University are for consideration of the Commission.

I. The programmes recommended under second and third priority for both the Karnatak University and the PG Centre at Gulbarga within the overall ceiling allocation indicated, are for consideration in the light of progress of implementation of the first priority programme (Annexure III and Annexure IV).

II. The new proposals indicated in para 3 and 4 above for the University and the PG Centre outside the fifth plan ceiling allocation are also for consideration in the light of the justification contained in the Vice-Chancellor's letter (Annexure V and VI).

The matter is placed before the Commission for consideration.

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Karnatak University

Schemes of development as accepted by the Commission on the basis of Fifth Plan Visiting Committee's recommendations :

<u>Purpose</u>	<u>Sanctioned amount</u>
	<u>Lakhs</u>
1. Spill-over programmes (recurring and non-recurring)	Rs.25.25
2. Basic grant for Books and Journals	Rs. 3,00
3. Basic grant for Equipment	Rs. 5.00
4. Purchase of Books & Journals as accepted on the basis of Visiting committee's recommendations (Priority I)	Rs.10.30
5. Purchase of Equipment (on the basis of the Visiting committee's recommendations (priority I)	Rs.12.00
6. Miscellaneous programmes including Animal House, FIP, Visiting Faculty Publications	Rs. 9.18
7. Buildings	Rs.14.20
8. Additional Staff(9P 17R 25 L & others)	Rs.23.15
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	Rs.102.08

25 Research fellowships outside the ceiling allocation.

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P.G. Centre Gulbarga

Annexure II to Item No.30

Karnatak University

Grants sanctioned to the PG Centre, Gulbarga, - Karnatak University on the basis of visiting committee's recommendations.

<u>Purpose</u>	<u>Amount sanctioned</u>
1. Spill-over (Recurring and non-recurring)	Rs. 4.44
2. for books and journals .	Rs. 1.00
3. for equipment	Rs. 2.00
4. Purchase of Books and Journals on the basis of Visiting Committee's recommendations.	Rs. 7.65
5. Purchase of equipment on the basis of Visiting Committee's recommendations.	Rs. 8.60
6. Miscellaneous schemes including Visiting Faculty.	Rs. 00.85
7. Buildings.	Rs. 7.00
8. Additional Staff (5p 4R 8L 4 others.)	Rs. 8.00
	<u>Rs. 36.54</u>

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Annexure III to Item N<sup>30</sup>

Karnatak University

Grants recommended by the Fifth Plan Visiting Committee under the second/third priority not accepted by the Commission for implementation :

<u>Purpose</u>	<u>Amount Sanctioned</u> Rs. in lakhs
1. Books in respect of 25 departments and Central Library.	16.95
2. Equipment for teaching departments and CSL	15.85
3. Miscellaneous Programmes (including FIP, Visiting Faculty).	3.25
4. Construction of buildings (staff quarters)	4.00 lakhs
5. Addl. Staff (3 p, 9R and 9 L and 1 others)	6.85 (Rs. 30 lakhs provision suggested in the visiting Committee's report)
	<hr/> Rs. 46.90 <hr/>

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P.G.Centre Gulbarga.

Karnatak University Second Priority

Grants recommended by the Fifth Plan Visiting  
Committee under second priority not accepted  
by the Commission.

<u>Purpose</u>	<u>Amount Sanctioned</u>
Books	3.35
Equipment	4.20
Buildings	3.00
Miscellaneous Programmes	0.40
Additional Staff (7 R, 9L 2 others )	7.50
	<u>Rs. 18.45</u>

Copy of the letter from the Vice-Chancellor, Karnatak University to the Secretary, UGC. No.K.PIG/DEV/644 dated 11th June, 1977.

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1. Construction of An Auditorium :

The University had submitted a proposal for the construction of an Auditorium on the University Campus to the Visiting Committee during the month of February, 1975. But the Visiting Committee had not recommended the proposal of the University. An Auditorium on the University Campus is most essential to conduct seminars, symposia, workshops etc. We have been facing inconvenience to organise the national or international conferences due to non-availability of an Auditorium as well as the necessary equipments. Therefore, a well equipped Auditorium may please be sanctioned to the University. An approximate plan and estimate of the Auditorium may come to Rs.25.00 lakhs. The University is also prepared to take up the responsibility of a half of the estimated cost. This scheme may please be approved during the Vth Plan period only.

II. Improvement of facilities in Health Centre.

The University had submitted a developmental proposal of the University Health Centre to the Visiting Committee during the month of February, 1975. But, unfortunately, the Visiting Committee had not recommended and the UGC have not approved any of the development schemes of the Health Centre. The Health Centre with better facilities on the campus is an absolute necessity. The Health Centre has to be well equipped to meet the needs of the Staff, students and the members of the residents of the campus. Therefore, atleast an amount of Rs.5.00 lakhs may be sanctioned for the development of the health centre during the Vth plan period.

III. Postgraduate Department of Marine Biology :

The University had established a Department of Marine Biology at Karwar, about 100 miles away from Dharwar Campus. The University had submitted a proposal to the Visiting Committee for strengthening the Department of Marine Biology at Karwar. But the Visiting Committee have not recommended and the Commission have not approved any of the Development proposals of the University. The Department of Marine Biology is now running with merely 2 lecturers. Therefore, it is necessary that the Department of Marine Biology be

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strengthened. However, one Reader in Marine Biology has been sanctioned by the UGC and it is now advertised and will be filled in shortly. It is requested that an additional posts of One Reader and 2 Lecturers may be sanctioned for the Department of Marine Biology in addition to that a separate grant for books and journals equipments and building may also be sanctioned to the tune of Rs.2.50 lakhs for the Vth Plan period.

#### IV. Special Grant for Language Laboratory :

The University had submitted a proposal for establishment of Language Laboratory to the Visiting Committee at the estimated cost of Rs.3.00 lakhs in 3 different priorities. However, the Visiting Committee have not recommended. For the development of Modern Languages, Linguistic Studies, a Language Laboratory is essential part of the Study. Therefore, a grant of Rs.2.00 lakhs may be sanctioned for the equipment of the Laboratory during II and III priorities

#### V. Department of Urdu and Persian at P.G. Centre, Gulberga.

The State Government is very keen on starting Post-graduate Department of Urdu and Persian at P.G. Centre, Gulberga. Gulberga city has been a seat of Muslim culture as it was a part of the erstwhile princely Hyderabad state. Urdu has been a common language for hundreds of years. We have been receiving a number of representations from the public to start the postgraduate instruction in Urdu and Persian at PG centre, Gulberga.

We may have lot of saving due to delay in appointment of teaching staff at PG Centre, Gulberga during the fifth plan period. Therefore, it may be possible for us to accommodate within the grant allotted for the PG Centre, Gulberga. It is, therefore, requested that the UGC may kindly permit us to start postgraduate course in Urdu and Persian from the academic year 1977-78.

The following posts may be sanctioned :

1. One Professor
2. One Reader
3. Two Lecturers.

An amount of Rs.25,000/- may be sanctioned for the purchase of books and journals.

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Annexure VI to Item No.

Copy of the letter from Dr. R.C. Hiremath, V.C. Karnatak University to Secretary, UGC, New Delhi. No.K.PIG/Dev/1389 dated 7.8.1976.

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In connection with the sanction of teaching posts for the Fifth Plan period for the P.G. Centre, Gulbarga, I would like to bring to your kind notice the following facts for favourable and immediate consideration.

Six new departments have been sanctioned with the following teaching staff for the P.G. Centre, Gulbarga.

<u>S.No.</u>	<u>Name of the Dept.</u>	<u>Prof.</u>	<u>Reader</u>	<u>Lecturer</u>	<u>Others</u>
1.	Physics	1	-	1	2
2.	Microbiology	1	1	2	2
3.	Sociology	-	1	1	-
4.	Commerce	1	-	1	-
5.	Economics	1	-	1	-
6.	Hindi	-	1	1	-

The Department of Physics (Applied Electronics) and Microbiology have been started from this academic year and all other Departments have been started from the last academic year (1975-76). All the above sanctioned posts have been advertised and steps are being taken to fill them shortly.

The teaching staff sanctioned to these new Departments is quite inadequate looking to the actual teaching and research work in the Deptt. It would be very difficult to carry on the teaching work without additional staff. In addition, we have adopted the Semester System for the Postgraduate Courses from this academic year. The Semester System for the postgraduate Courses from this academic year. The Semester system will be successful only if adequate staff is appointed. Therefore the following additional staff/Gulbarga from this academic year only.

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G. Centre,

<u>S.No.</u>	<u>Name of the Deptt.</u>	<u>Prof.</u>	<u>Reader</u>	<u>Lecturer</u>	<u>Others.</u>
1.	Physics	-	1	2	1

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2. Microbiology	-	1	2	1
3. Sociology	1	-	2	-
4. Commerce	-	1	2	-
5. Economics	-	1	2	-
6. Hindi	-	1	2	-

I therefore, request you to move the Commission to sanction the above posts at the earliest possible.

A line in reply will be highly appreciated.

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Karnatak University Dharwar

Annexure VII to Item No. 30

Statement showing progress of implementation of grants paid by the Commission.

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<u>Purpose</u>	<u>Amount sanctioned</u>	<u>Grants Released</u>	<u>Progress of Expenditure reported by the University.</u>
Books and Journals	13.30	5.00	Entire amount spent and bills are pending.
Equipment	17.00	9.00	Expenditure of Rs.7 lakhs.
Addl. Staff	23.15	8.90	No progress intimated.
Buildings	14.20	4.50	Expenditure reported Rs.14.10 lakhs.
Miscellaneous Schemes	9.18	1.50	Rs.1.00 lakh.

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P.G. Centre, Gulbarga.

Annexure VIII to Item No. 30

Progress of utilisation of grants paid

<u>Purpose</u>	<u>Grants Sanctioned</u>	<u>Grants Released</u>	<u>Progress of Expenditure reported by the Univ.</u>
Books and Journals.	7.65	2.50	Entire amount sanctioned and bills are pending.
Equipment	8.60	4.20	Entire amount spent
Misc. Programmes	0.85	0.12	Expenditure incurred Rs.60,000/-
Buildings	7.00	0.50	Expenditure incurred reported as Rs.40,000
Adml. Staff (5 P, 4R, 8L and 4 others)		2.50	

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KARNATAK UNIVERSITY DHARWAR AND POST GRADUATE CENTRE, GULBARGA

Recommendations/Observations of the Visiting Committee as accepted by the Commission.	Action taken by the University.
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Para 1 to 9

Self Explanatory

10. There is immense pressure for expansion of Postgraduate enrolment and this can be met to some extent by increasing the intake in the existing universities and approved postgraduate Centres. The Postgraduate Centres set up during the fourth plan have not developed as fast as they ought to have for a variety of reasons but the main reason seems to be the remote control from the university headquarters. The distance between the Postgraduate Centres at Mangalore and Gulbarga from the university headquarters is 200 miles or more. Several representations were made to the Visiting Committee by the public and the students pressing for upgradation of the Postgraduate Centres as full fledged universities. There is a strong case for a big State like Karnataka to have more universities. But taking into account the present stage of development of the two Postgraduate Centres at Mangalore and Gulbarga the Committee feels that the fifth plan period should be utilized for consolidation and development of existing Centres. Their upgrading into universities should be considered thereafter.

All efforts are being made to develop the Post-graduate Centre, Gulbarga although it is far away from the Headquarters. However, there is strong feeling that the Post-graduate Centre, Gulbarga be developed into an Independent University during the 5th Plan Period. Particularly after the creation of new Universities in Andhra Pradesh and Maharashtra University, this feeling is increasing.

11. There is a strong sense of grievance at the postgraduate centres that they are being treated as poor relatives of the parent universities. The Committee is of the view that these Centres should function as autonomous units having their own Boards of Studies with a different set of experts than from the parent universities and should develop on their own and not as replicas of the mother universities. Diversification and attention to local needs and not duplication should be the guidelines of development of these Centres. Then only will they have initiative and inherent strength and will be able to contribute to improvement and modernization of the colleges in the neighbouring districts. Ultimately they could become affiliating-cum-teaching universities intimately involving themselves in Faculty Improvement Programme of the Colleges which would be affiliated to them. At present for proper development of the Centres the Committee suggests that a full-time Director be appointed for each of these Centres. A Committee of the Heads of Departments may help the Director in development of each centre.

12. Inter-disciplinary approach and Inter-Departmental Co-operation: -

One of the main defects of the present system of higher education in the universities in the State relates to the functioning of the departments in isolation. There is no integration or proper interaction between the

It is true that the public have a feeling that they are being treated as poor relatives of the parent University. Hence all necessary care is being taken to look after the development of Post-graduate Centre, Gulbarga. It is being examined how far the Post-graduate Centres can be made autonomous under the present Act. If need be amendments will be suggested so that separate academic bodies like the Boards of Studies etc. may be formed. But from the beginning care has been taken to see that the departments to be started in Gulbarga will not be replicas of those in the main campus. They are either new like Microbiology, Electronics, Analytical Chemistry or with different orientation in other Departments started now. The University has already taken steps for the appointment of Director at Post-graduate Centre for Technical Studies, Nandihalli-Sandur and a full time Director for the Post-graduate Centre, Gulbarga is under consideration.

The courses in various faculties are now being restructured so that inter-disciplinary cooperation would be necessary. Language Departments will have lot many things like principles of

departments. Compartmentalism and exclusiveness in academic matters seem to be the order of the day. However, the Committee was gratified to note the favourable response of the academic community to the suggestions in regard to the need for inter-departmental cooperation for promoting inter-disciplinary approach in teaching and research. The distribution between social Sciences and humanities does not seem to be clearly understood; in one university they are clubbed together in an assorted faculty of arts. This should be rectified by having separate faculties of Social Sciences and the Humanities. There has been very little coordination among the three universities which is responsible for a great deal of duplication in courses. This should be rectified through inter-university co-ordination so that each university specializes in a few chosen areas by common consent. This is equally applicable in the field of Sciences.

3. In the teaching of languages, there should be greater cooperation among the various language departments which can be grouped together as a School of Languages. There should not be any difficulty in having a large number of options in combining two languages for M.A. - one as a Major and the other as Minor. Proper interaction among the various language departments will help the students gain proficiency in more than one language. In the light of the discussions the universities

literary criticism, comparative literature etc. The experts in different Departments like English, Sanskrit, Kannada languages will share the work.

Likewise the Department of Mathematics, Sociology will have to work for other Science Departments.

This question has been taken up in all seriousness since this university has been taken up as one of the Universities for Restructuring of courses by the UGC. This University has separate faculties for Humanities named as Faculty of Arts and another faculty for Social Sciences as Faculty of Social Sciences.

The Vice-Chancellors of the three Universities have now formed a committee of their own to avoid duplication, consider common problems etc.

The University has in operation the M.A. Examination Schemes where candidates can take a Major subject any one of the languages in Social Science Subject - with 6 papers and two papers in another language in social science subject respectively. A large number of students are taking advantage of this. The university has a School of Foreign languages where French, German, Russian languages are taught. The University

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have agreed to group related departments into Schools/Centres such as the School of Biosciences, the School of Earth Sciences etc. These schools may have a Convener/Cordinator/Chairman by rotation from among the Heads of the constituent departments/divisions. It is not necessary to dismantle the present departments, but it is essential to do away with the fragmentary and compartmental attitudes towards teaching and research.

14. There is a great need for strengthening general facilities in the way of books, journals and equipment. Duplication has to be avoided. The libraries may procure more books on the central area of research and teaching in order to make recent 'Core' knowledge available. There is need to strengthen library for research interests. A compact representative library/committee of user departments, as well as, some student representatives will ensure proper functioning of the library committee which would prepare its requirements and send it to the Central Library Committee periodically. In all the five institutions visited most books and journals should be kept in the Central Library and only duplicate text-books and journals for a limited loan period housed in the departments. The Bangalore situation is slightly different is so far as it needs two libraries one at the city campus for science and the other at the new campus for the humanities and social sciences.

has also established Institute of Kannada Studies where the Department of Linguistics and Department of other Dravidian languages like Tamil, Telugu are functioning. Establishment of different schools in other faculties will be taken up later.

The University has library Committee and to avoid duplication all books, journals etc. are being purchased for the Central Library. Departmental Libraries have not been established as a matter of principle except in the case of one Department. Each Department will have a small committee to recommend books and journals.

∟ services every deptt could have its library

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15. Central Instrumentation facility: In order to obtain optimum use of costly and sophisticated equipment the Committee recommends Central Instrumentation Facility at the Universities Independently manned by competent staff and headed by an Instrumentation Engineer/Scientist with supporting technical staff. Equipment and instruments of common use for various departments and not those regularly required in the departments should be housed at the Centre. A representative Users' Committee should look after the efficient functioning of the Centre.
16. Visiting Professorship: No University Department can have expertise in all areas of specialisation. It is, therefore, necessary to supplement and strengthen the academic programmes by obtaining the services of experts from other universities and institutions of higher learning within the country. For this purpose, the scheme of Visiting Professorship is being recommended for which a lumpsum provision is made within the plan allocations to the universities. The scheme should be integrally related to the programmes of the departments according to requirements.
17. Faculty Improvement Programme: The university departments should provide leadership for faculty improvement in the colleges for which some provision is made in the plan allocations to the universities to enable them to initiate action without delay. This may be
- Central Instrumentation and Servicing Laboratory has been sanctioned to our University during the Vth Plan Period. A committee consisting of Heads of the Science Departments under the Chairmanship of the Vice-Chancellor has been constituted and a Senior Professor is now in-charge of the Central Instrumentation and Servicing Laboratory. The necessary steps will be taken to look after efficient functioning of the Central Instrumentation and Servicing Laboratory.
- The University has already implemented a Scheme of Visiting Professorship as per the guidelines sent by the University Grants Commission.
- The Department of Chemistry of our University has been selected by the University Grants Commission under COSIP Leadership Programme. The University has also implemented Faculty Improvement Programme. Six



devetailed into Faculty Improvement Programme assisted by UGC, outside the plan allocations. The universities should set up committees to suggest measures, work out details of F.I.P. and formulate programmes for all-round development and guidance of the affiliated colleges.

- 18. In view of the recognised need and urgency for upgrading the competence of college teachers, fellowships may be awarded to them during the period of their attachment in the university department for a period of one year. Besides familiarising themselves with research methodology, the teachers should update their knowledge in regard to both content and teaching methods. They should also take up projects on curriculum reforms in the light of recent developments. On the basis of performance, such teachers may be awarded M.Phil. degrees. Promising teachers in this category may be given further assistance to do their doctorates. A flexible mechanism providing opportunities to teachers in this regard may be worked out by the U.G.C.

- 19. Research Fellowships: Since strengthening of research is one of the basic objectives of the university development in keeping with advancement of knowledge, the Committee recommends fellowships to universities within the plan allocations.

Departments have been selected under Faculty Improvement Programme for educating teacher fellows. However, a small committee will be constituted to look after the efficient, formulation of other programmes and important developments of the affiliated colleges, under Faculty Improvement Programme.

Necessary action is being taken to attend to the urgent need of upgrading the competence of college teachers. M.Phil programme providing courses in research methodology updating their knowledge regarding content and teaching methodology, curriculum reforms are being designed and implemented for the year 1977-78.

The University Grants Commission have sanctioned 25 Junior Research Fellowships to the University and 6 Junior Research Fellowships for the Post-graduate Centre, Darbarga. The Fellowships have been distributed to cover most of the faculties

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This may be distributed judiciously on academic grounds taking particular note of those departments which have few of non. While encouraging talent from the parent university, it is necessary to award 50% of fellowships to candidates from other universities by open competition. It is necessary and useful to institute Pre-Ph.D. programmes like M.Phil. M.Phil programmes are thus two-dimensional in character, one for teachers under FIP and the other for scholars planning to do doctoral research.

of the university. The University has also implemented a programme for teachers under Faculty Improvement Programme leading to Ph.D. and M. Phil course is under consideration.

20. Sabbatical Leave: It is also necessary to provide sabbatical leave for the staff of the University departments to enable them to visit other universities/institutions to carry out research work for writing books of standard value. The committee recommends that the UGC may start sabbatical programmes for university teachers.

The University requested the U.G.C. for necessary literature and guidelines on sabbatical leave. On receipt of the same, the University is prepared to implement the sabbatical programme for the University teachers.

21. Publication grants: The Committee supports the plea made by universities in regard to providing funds for publication within the plan allocations. Many deserving contributions to research do not get published in time for lack of resources. The Committee has, therefore, recommended publication grants to universities within the plan allocations. This may be used as a revolving fund augmented with income from the University publications.

The University has taken all the steps from very beginning to undertake publication of deserving contribution to research. It has to its credit publications during the past 25 years. It has an ambitious plan to carry out research publications of greater value. But the grants sanctioned for publications during the Vth Plan allocation is far too inadequate. The Publication grants may please be enhanced.

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22. Planning Machinery: Development of higher education requires careful planning, at the level of each university for its growth, and inter-university co-ordination with the Government at the State level. We therefore recommend that in each university there should be a Planning Board which should be concerned with the planning of academic programmes at the university level, development of affiliated colleges and the development of physical and manpower facilities for the same. Since planning involves not only formulation of programmes, projects and plans, but also timely implementation, the Planning Body should also be concerned with evaluation at regular intervals. In the performance of these tasks, the Planning Board will be accountable to the syndicate. While the Planning Board should be a compact machinery, it is necessary to emphasize that the university faculty, who have a special role to play in raising academic standard, should be adequately represented on the Board, apart from Principals of some leading colleges.

The University has taken steps for establishing a Planning Board. The details of the working of the Planning Board will be reported in due course.

23. At the State Level, a State Academic Planning Board may be created which may be presided over by the Minister of Education or his nominee. The Vice-Chancellors of the universities in the State and the State Govt. officials who assist the Minister in the field of university education, would have to be members of the State Board. Representation would also have to be given to the faculty involved in the University Planning Board to have one or two representatives of the UGC on it.

The State Government will have to take action on this recommendation. This will be brought to their notice.

24. Annual Review: An annual review of the development of university departments is called for, in so far as UGC funds are specially earmarked for the purpose. In the case of affiliated colleges, the review may be undertaken at longer intervals. While the annual review of the university departments and postgraduate Centres would be primarily the responsibility of the university, UGC representatives may be associated every alternate year.

An Annual review of the P.G. Departments and Post-Graduate Centres will be taken up and reports will be sent to the U.G.C. The necessary committees will be constituted for the purpose.

25. Departmental administration: The democratisation of the administration of each university school/department so as to give participation to faculty in each such unit is also an urgent necessity.

The democratisation of administration of each department has already been taken up. The departments have been instructed to constitute committees consisting of senior teachers for smooth administration regarding admission, semester programmes, examinations etc.

26. An appropriate machinery has to be designed by the university for the purpose. The administrative machinery should ensure that there is regular teacher-student consultation on matters of mutual interest. In our view, teacher-student consultations at the base level is the only foundation on which any consultation at higher levels of university administration can be meaningful and productive.

Although, there is no machinery for regular teacher-student consultation, the University gives due respect for the constructive suggestions. As the enrolment at Post-graduate level is comparatively small, teachers do come in personal contact with the students.

27. It was mentioned by the Education Minister to the Visiting Committee that a Common Act for the universities in the State was on the anvil and the Bill would go before the legislature probably in the course of the year.

The Common Act of Kamatak State University Act 1976 has been brought into force.

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32. Merit-Promotion: Should the University be not in a position to implement the UGC scales of pay, the university may introduce a system of merit promotion of lecturers and readers upto 5% in each category for very good and outstanding performance, after review of the work done by the teachers during a period of 5 years.

There is no provision in the Act to implement Merit-cum-Seniority promotion in the teaching cadre.

Self explanatory.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting: -

Dated : 26/8 Sept. 1977

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Item No. 31 : To consider a request from Bhopal University for sanction of additional grants during 5th plan.

The Commission on the recommendations of a Visiting Committee accepted various proposals of Bhopal University for implementation during 5th plan and agreed to provide a total amount of Rs. 65.775 lakhs (UGC share) in 3 priorities (Rs. 44.26+13.20+10.29 lakhs), the details of which are indicated in Annexure-I. A statement showing information about the implementation of various recommendations of the UGC Visiting Committee is attached in Annexure-II.

a. The University has requested the Commission to sanction the following additional grants for the schools of Biological Sciences, Social Sciences and Central Library:-

1	Books & Journals	Rs.	15.50 lakhs
2	Equipment	Rs.	20.00 lakhs
3	Building	Rs.	5.00 lakhs
4	Staff:		
	Reader		4
	Lecturer		2
	Research Associates		5 for 5 years
	Librarian		1
	Asstt. Librarian		1
	Cataloguer		2
	Tech. Asstt.		1

Justification for additional requirement may be seen in Annexure III.

The University has informed that it has spent almost the entire amount of Rs. 5.50 for books and Rs. 6.60 lakhs for equipment. Out of 1 Professor 4 Readers, 4 Lecturers and 2 Technical Assistant approved for the School of Biological Sciences the university has appointed 1 Professor and 2 Readers. Steps have also been taken to fill up the remaining posts.

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b) The Commission earmarked an allocation of Rs. 6.50 lakh (in I and II priorities of Rs. 2.50 and Rs. 4.00 lakhs respectively) for the construction of a building for Bio-Sciences. The State Government has agreed to meet its matching share in respect of the schemes under I priority only. No information regarding the concurrence about the II and III priorities has been received. The Bhopal University has submitted plans and estimates amounted to Rs. 16.06 lakhs for the construction of the Bio-Sciences building. The University has further informed that a sum of Rs. 10 lakhs has already been paid by the University to M.P. Housing Board as required by them under terms and conditions for undertaking the construction work of the buildings approved.

The Commission may consider whether (a) additional amount may be sanctioned for the purchase of books and equipment. It may be mentioned that no amount had been allocated to the University for this purpose under II and III priorities (b) the construction of Bio-Sciences building at an estimated cost of Rs. 16.06 lakhs be approved subject to the condition that the expenditure over and above the Commission's share of Rs. 6.50 lakhs is met by the University/State Government out of their own resources.

The matter is placed before the Commission for consideration.

DS(D-4)/AS(D-4a)

A. FIRST PRIORITY

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Department/Item	Staff	Books	Equip- ment	Bldg./ furni- ture	Misc.	Total
2	3	4	5	6	7	8
Spill-over	-	-	0.67	9.73	-	10.40
Basic grant	-	1.00	0.60	-	-	1.60
Bio-Sciences (1P, 4R & 4L + 2 T.A.)	4.54	1.00	3.00	2.50	1.00 (Animal House)	12.04
Re-gional Planning & Economic Growth (1P, 2R & 2L)	2.41	0.75	0.25	-	-	3.41
Department of Compara- tive Languages. (1P, 2R & 2L)	2.41	0.75	0.25	-	-	3.41
Central Workshop. (4 T.A.)	0.90	-	2.50	1.00	0.10 (contin- gencies)	4.50
Humanities Block.	-	-	-	2.50	-	2.50
Central Library (one T.A.)	0.10	2.00	-	-	-	2.10
Department of Legal Studies.	-	-	-	-	-	-
Faculty Improvement Programmes	-	-	-	-	2.00	2.00
Visiting Faculty	-	-	-	-	0.30	0.30
<b>Total:</b>	<b>10.36</b>	<b>5.50</b>	<b>7.27</b>	<b>15.73</b>	<b>3.40</b>	<b>42.26</b>



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B. SECOND PRIORITY

<u>Sl. No.</u>	<u>Department/Item</u>	<u>Building</u>
1	Bio-Sciences Department (II phase.)	4.00
2	Humanities Block (II phase)	4.00
3	Canteen	0.50
4	Men's Hostel	3.70
5	Study Hall	1.00
Total:		<u>13.20</u>

C. THIRD PRIORITY

1	Teachers' Hostel	3.25
2	Guest House	1.50
3	Health Centre	2.00
4	Vice-Chancellor's residence	0.94
5	Development Officer	0.60
6	Pavillion & Swimming Pool	2.00
Total:		<u>10.29</u>

Grand Total: 65.75

BHOPAL UNIVERSITY

PROFORMA REGARDING INFORMATION ABOUT THE IMPLEMENTATION OF VARIOUS RECOMMENDATIONS OF UGC VISITING TEAM FOR THE FIFTH PLAN PERIOD.

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Recommendations/ Observations of the Visiting Committee as accepted by the Commission	Action taken by the University.
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1. Spill over scheme:

Schemes approved during the IV Plan or earlier and which are required to be completed during the Vth Plan.	Name of the building	Total Cost	Expenditure incurred	Remarks
1. Library		18,59,820	8,39,262	Hldg will be completed by Oct., 1977.
2. Press Building & Equipment		4,49,475	3,53,991	Hldg. Completed only sanitary Electrification & minor work remained.
3. Basic Grant for books		1,00,000	1,00,000	
4. Equipment		30,000	30,000	This amount released and utilized against spill over.

2. Existing University Teaching Departments. (1) Bio Science. (2) Regional Planning & Economic Growth. Names of these departments have been changed as School of Biological Sciences, School of Social Sciences. Syllabi revised. Copies of Syllabi will be sent as soon as printed. Academic performance report has already been sent vide this office letters No. 2824/Dev/V.Team dated 19.4.77 and 3007/Dev/V.Team/ dt.29.4.77.

p.t.o.

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Details of academic activities i.e. faculty improvement programmes etc. are shown in the attached sheet. State Government has also approved the starting of Modern Arabic and Persian Deptt. i.e. Deptt. of comparative language w.e.f. 15th May. Steps are being taken to admit the students etc. In this connection State Government's endorsement letter No. F.54-2/76/G.V /XX/77 dated 18.3.77 to University Grants Commission may please be seen. Details attached.

3. Incorporation of Experts in Board of Studies: This is being done in pursuance of section 2(vii) of the M.P. Vishwavidyalaya Adhiniyam.
4. Setting up of an inter-University coordination body for the coordinated development of academic progress in the State. Already exist at the State level.
5. Setting up a Planning and Evaluation Board. Constituted as per the provisions of M.P. Vishwavidyalaya Adhiniyam.
6. Junior Fellowship and appointment of visiting Professor:  
Sever UGC's fellowship have been allocated as under:  
Bio Science 3  
Regional Planning & Economic Growth 2  
Research Scholars 2  
Prof. P.C. Malhotra has been appointed under Visiting Faculty.
7. Faculty Improvement Programme Five Seminars, Symposia organised under Bio Science Department. Regional Eco. Growth steps have already been taken to organise seminar workshop etc. This can be increased as soon as grant under faculty improvement of Rs. 21lacs is received from UGC.
8. Progress of Schemes approved under Vth Plan Statement attached State Government has given concurrence only in respect of Ist priority schemes. Concurrence for IIrd & IIIrd priority schemes are awaited.

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9. Steps for college development :

Kulpati has already issued instructions in this respect, copy of letter is enclosed. We have got the proposals scrutinised of the affiliated colleges through M.P. Uchcha Shiksha Anudan Ayog State Government and sent to UGC under Faculty improvement programmes etc.

10. Additional information.

We have already utilised most of the grant on books equipment and thus we need additional grant in this regard. Remaining staff is also being appointed shortly we have already advertised posts and only selection committee is to be met for remaining post. Our university existing teaching departments are also observing and following the recommendations of the UGC visiting committees report.

## PROGRESS REPORT

### School of Biological Sciences

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#### A. Change of name of the Department

The Department of Bioscience is now called as the School of Biological Sciences in order to make it more broadbased and interdisciplinary. This would enable to have more specialisations in biological sciences in future. This change of name has been approved by U.G.C. and State Government.

#### B. Appointment of Staff:

The following teaching staff has been appointed under first priority:

1. Professor : One - Specialisation in Developmental Biology.
2. Readers : Two - Specialisation in microbiology (one) and Cytogenetics (one).
3. Post of two Readers and four Lectures with specialisation in Biochemistry, Limnology, Physiology Instrumentation, Fisheries, Animal/Plant Taxonomy are advertised. These Posts will be filled up very shortly.
4. Technical Assistant : Two posts are advertised and will be filled up very shortly.

#### C. Separate Board of Studies.

The Faculty of Life Sciences. The academic council and the Executive Council have given their approval to have separate board of studies in biological Sciences. This matter is with the Coordination Committee of the state for its approval.

#### D. Courses of Study for M.Sc.

The courses of study are modified and the syllabus has been revised. The present syllabus includes sixteen courses which are covered up in four semesters over a period of two years. These courses include (a) eight core courses in general microbiology cytogenetics; developmental biology; biogeography; taxonomy and Evolution; physiology; general Biochemistry; ecology; and biostatistics, and (b) eight courses in specialised branches such as Inland Fisheries, Advanced Microbiology or applied genetics. These courses are of interdisciplinary nature, useful for modern biological research and training and have applied value. As such the students trained in this discipline will be absorbed in research laboratories, or academic institutions,

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E. Promotion of research and improvement of teaching standard.

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1. Students admitted : First batch of 6 students completed M.Sc. (Bio Sc. old course). Four students secured first class. They are absorbed in laboratories and chemical firms. Two students are preparing for competitive examinations. Second batch of seven students (old course) will appear in July 1977. Third batch of seven students (new course) will appear for second Semester examination in July 1977.

2. Grading system of valuation has been introduced with effect from the examination of 1977. Weekly seminars are conducted. Internal assessment based on seminars, Quiz questions, essay writing etc. is started from the current session.

3. Thirteen candidates (including five teacher candidate) are registered for their Ph. D. degrees in this department. They are working on problems relating human genetics, reproductive biology in fishes, limnology, insect physiology, microbiology, endocrinology, neurology, biogeography, and lipid biochemistry etc. Some of these are receiving research fellowships from UGC and CSIR.

4. There are two Post-Doctoral Fellows and one Pool Officer supported by CSIR.

5. Research Schemes :-

1. UGC has sanctioned one research project to the Professor on 'Economic Feasibility of fisheries' in Ehopal Region. One Senior, two Junior Research Fellows and four Research investigators are already working under the scheme.

2. ICAR has sanctioned one research Project to the Professor on Assessment of Lipid Metabolism in Major carps.

3. One research project is already running under Dr. B. N. Johri, Reader in our Department.

4. Four research schemes on microbiology, human genetics, limnology are submitted to UGC by other staffmembers from the Department.

6. Symposium, Workshop, Seminars etc.

i. UGC has sanctioned symposium on "Natural and human Resources and their Utilisation". It will be held on 27-28 October 1977.

ii. UGC has approved workshop on limnology which would be held from June 16-21, 1977. Twenty teachers from M.P. would be benefited by these workshop.

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iii. Research Seminars on Biology: Under this lectures on research topics were arranged. The staffmembers, research students and lectures of local colleges participated.

7. UGC extension lectures

Name and Designation of Scholar	Date	Topic of Lecture
1. Dr. A. Oksche Prof. & Head Department of Antony 83 Giessen, <u>West Germany</u>	19 Jan 1977	Structure and Function of avain, hypothalamohypophysical system.
2. Dr. R. Misra P Professor. BHU Varanasi.	22 sept. 1977	The relevance of education in ecology and environmental sciences.
3. Dr. P.V. Dehadrai Project coordinator Central Inland Fisheries Research Institute Barrackpore.	30 Jan 1977	Recyclic organic waste in aquaculture.
4. Dr. H. Swarup Prof & Head School of studies in Zoology, Vikram University Ujjain.	28 March 1977	Do genes change during development?

8. Special Lectures:

- 1. Dr. Shankar Narayan : Additional Secretary UGC, New Delhi
- 2. Dr. E.G. Forbes : Professor of History, London (U.K.)
- 3. Dr. Mitrokin : Indologist, Moscow, Russia.
- 4. Dr. H.D.N. Tiwari : Deputy Chief conservator of Forest Bhopal.
- 5. Dr. LP Mall : Prof. & Head, School of studies in Botany, Vikram University, Ujjain.

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6. Dr. Sud : Professor of cell biology, University of Michigan. U.S.A.
7. Dr. Mathur P.L. : Prof & Head, Deptt, of Physiology Medical college, Gwalior. M.P.

F. Books and Equipments:

Allocation for books Rs. 1 lac : Books worth Rs. 1 lac have already been purchased.

Allocation for equipments: Total Rs. 3.7 lacs. 2.4 lacs have been utilised to purchase research centrifuge, PH meter, electrophoresis, apparatus research and Student microscopes, colorimeter and several other equipments. Orders for purchasing of equipments worth one lac rupees are already been placed.

G. Publications : 1976-77

1. Research paper published ..... Six
2. Research paper communicated ..... Four
3. Monographs undertaken for writing.
  1. Biology and culture of Clarias batrachus by Professor D.K. Belsare.
  - ii. Biology of Isoetes by Dr. H.K. Goswami.



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Department of Regional Planning and Economic Growth  
Follow up action on the recommendations of the Visiting Committee of the  
University Grants Commission.

Recommendation of the Committee      Steps taken

Making the department non-traditional not just a pro-type of other departments in the colleges

In the department of Regional Planning and Economic Growth, the courses of study are not traditional. The syllabus has been suitably revised so as to make it more inter-disciplinary. Disciplines like town planning, Demography, Urban geography, Urban Sociology, have been included in the revised syllabus in the light of the recommendations of the Visiting Committee. The emphasis on problems of Madhya Pradesh has been increased and portion dealing with micro-economic theory reduced. Paper 7th dealing with France, Italy and USSR has been deleted and merged with other papers. More emphasis now has been given to study of tools and techniques of regional planning. The nomenclature of the department has been changed to School of Social Sciences, so as to make it more broadbased and inter-disciplinary.

Setting up a separate Board of Studies for the course.

At present the department is under the Board of studies in Economics. But necessary steps have been taken to set up a separate Board of studies for this department. The faculty of Social Sciences, the Academic Council and the Executive Council, have already given their approval for the creation of a separate Board of studies and now the matter is with the Coordination Committee of the State for its approval. Two experts will be completed on the Board when it is separated.

p.t.o.

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Appointment of teaching staff

In the light of the recommendations of Visiting Committee and the posts sanctioned by the UGC, the following teaching staff has been appointed under first priority:

Professor One Specialisation in Growth economic and Regional Economics.

Readers- Two -Specialisation of one is in quantitative economics and of other in Macro Economics

Posts of two lectures in the department have been advertised. One having specialisation in Urban Geography and the other in Regional Planning/ Demography. These posts of lecturers will be filled up very shortly.

Promotion of research and improvement of teaching Standards: . . .

In the current academic session, 11 students were admitted in first semester and 10 in third semester. Grading system of valuation has been introduced with effect from the examinations of 1977. To improve the quality of students, weekly seminars have been introduced. Internal assessment of candidates was also started in the current session. Besides improvement of teaching standards, the Department made some concerted efforts for the promotion of research and faculty improvement. Research on regional problems, particularly relating to Madhya Pradesh is encouraged in the department. At present 6 candidates are registered for their Ph.D. degrees in the department. They are working on interdisciplinary themes relating to regional planning, urban geography, rural settlements, industrial and agricultural problems in the region. The UGC has sanctioned one Junior research fellowship to a candidate who is working in the department on regional problem of M.

p.t.o.

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One teacher-candidate has been assigned to the Department under the University Grants Commission long-term fellowship Scheme. He is also working on a regional problem. Thus the department is encouraging research on regional problems which are mostly inter-disciplinary in nature. With the shifting of the department to the new building where more physical space would be available, it is expected that the department would emerge as a full-fledged centre for research on regional problems, not only in the University but in the whole state.

The department has sent proposals for two research projects to the University Grants Commission. The first project relates to urban economics and the other quantitative economics. The approval of the UGC is still awaited. In the current academic session, the department organised two seminars, with UGC financial assistance. In the first seminar held in Nov. 76, more than 30 teachers from colleges and universities of M.P. participated and in the second seminar held in Feb. 77, a similar number of teachers and some post-graduate students took part. These seminars were organised with a view to encouraging teachers to discuss some theoretical and applied problems under the guidance of some experts. The following eminent Professors delivered lectures:

1. Dr. P.D.Hajela, at present Vice-Chancellor Allahabad University.
2. Dr.S.D. Punnekar, Professor, Tata School of Social Sciences, Bombay.
3. Dr. S.A. Shah, Economic Planner, Ministry of Works and Housing, Government of India.
4. Dr. D.K. Malhotra, retired Secretary, Planning Commission.

Professor P.C. Malhotra has joined the department as Visiting Professor, under the University Grants Commission scheme.

Books and equipment

Allocation for books	Rs.	Books worth Rs.	have already been purchased
Allocation for equipment for the department	Rs. 25,000	The purchase of equipment consisting of calculating machines, is being made. The purchases have been approved by the Purchase Committee of the University and very shortly orders for purchase will be placed.	

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BHOPAL UNIVERSITY, BHOPAL

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APPENDIX TO S.NO. 8 OF  
THE PROFORMA

STATEMENT SHOWING THE PERFORMANCE OF THE SCHEME

Name of the Department.	Item approved with allocation.	Expenditure incurred	Remarks
2	3	4	5

Recommended and approved schemes by the UGC Visiting Committee for the Fifth Plan period under three priorities.

Bill over	Equipment Rs. 67000/- Building & furniture 973000/- (Library & Press buildings)	Rs. 67000/-  Rs. 973000/-
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Basic grant	Books Rs. 1,00,000/- equipment Rs. 60,000/-	Rs. 1,00,000/- Rs. 20,000/-	Rs. 40,000/- awaited from UGC.
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Bio-Science	Teaching P 1 P 1 filled in posts R 4 R 2 -do- L 4 TA 2		Remaining posts advertised. Selection Committees are being constituted to fill up the posts.
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	Books Rs. 1,00,000/- Equipment Rs. 3,00,000/-	Rs. 1,00,000/- Rs. 3,00,000/- (including commitment)	Additional requirement already sent.
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	Building Rs. 2,50,000/- & furniture		Plans and estimates of both priorities sent to UGC for approval. Expenditure is committed in nature.
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Animal House	Rs. 1,00,000/-		-do-
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1	2	3	4	5
5	Regional Planning and Economic Growth	Teaching posts P 1 R 2 L 2	P 1 filled in R 2 -do-	Remaining posts advertised. Selection Committees are being constituted to fill up these posts
		Books Rs. 75,000/- Equipment Rs. 25,000/-	Rs. 75,000/- Rs. 20,000/-	Additional requirement sent to UGC
6	Comparative languages (Deptt. of Modern Arabic & Persian).	Teaching posts P 1 R 2 L 2		In this connection State Govt. endt. letter to UGC i.e. F.54/2/76/G-VII/xx/77 dt. 18.3.77 may please be seen.
		Books Rs. 75,000/- Equipment Rs. 25,000/-	Rs. 50,000/- -	
7	Central Workshop	TA 4 Equipment Rs. 2,50,000/- Contin- Rs. 10,000/- gencies Building Rs. 1,00,000/-	Rs. 1,00,000/- -	Posts advertised. Steps are being taken to fill up these posts
				Plans and estimates have been sent to UGC for approval. Expenditure is committed in nature.
8	Humanities Block	Building Rs. 2,50,000/-		Plans and estimates of both the priorities are under preparation & will be sent shortly. Expenditure is committed in nature.

	2	3	4	5
Central Library	TA 1			Post advertised. Steps are being taken to fill up the post.
	Books	Rs. 2,00,000/-	Rs. 2,00,000/-	Additional requirement request sent to UGC.
Deptt. of Higher Legal studies.				Under consideration of the State Govt.
Faculty Improvement Programme		Rs. 2,00,000/-		Amount awaited from GC. Schemes prepared for implementation.
Visiting Faculty		Rs. 30,000/-		One visiting prof. appointed. Steps are being taken to appoint more visiting Professors. Commission made reallocation under this head of Rs. 1 lakh.

SECOND PRIORITY

Bio-Sciences Deptt. II phase.	4,00,000/-	Plans estimates prepared & sent to UGC. State Govt. accorded approval under I Priority.
Humanities Block.	4,00,000/-	-do-
Canteen	50,000/-	Concurrence of the state Govt. is awaited for this scheme.
Men's hostel	3,70,000/-	-do-
Study Hall	1,00,000/-	-do-
	<u>Rs. 13,20,000/-</u>	

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THIRD PRIORITY

1	Teachers Hostels 1	3,25,000/-	Concurrence of the State Govt. is awaited for this scheme.
2	Guest House	1,50,000/-	-do-
3	Health Centre	2,00,000/-	-do-
4	Vice-Chancellor's residence	94,000/-	-do-
5	Development Officer	60,000/-	-do-
6	Pavillion & Swimming Pool	2,00,000/-	-do-

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TOTAL: 10,29,000/-

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BHOPAL UNIVERSITY, BHOPAL

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Dr. Ravi Prakash  
Vice-Chancellor

D.O.No.F. 454/VC/76

Dt: 15.7.76

As discussed with you, the University Grants Commission Visiting Team in their General observations and recommendations for Bhopal University remarked 'no concerted efforts appear to have been made, either to modify or upgrade the syllabi or to introduce innovations in the examination system, teaching methods etc. or to organise any definite programme of faculty development'. . . Though I have already issued instructions to the effect that the syllabi and combination of subjects etc. for all examinations for 1977 shall remain the same as were for the examinations of 1976, I am anxious that due attention should be paid to the remarks of the University Grants Commission Visiting Team referred to above and all efforts be made and the process must start immediately to modify and upgrade the syllabi courses and bring innovations in the examination system. Of course, the Faculty is the main body to take note of all these suggestions and recommendations. I hope your faculty will give due consideration to these suggestions and act accordingly.

With regards,

Yours sincerely,

Sd/-  
(Ravi Prakash)

Dr. P.M. Gupta  
Dean,  
Faculty of Engineering &  
Professor of Applied Mathematics  
V.A.T.I. Vidisha

Copy forwarded to all the Deans of Faculties for information and necessary action.

Copy to the Academic Section to ensure that the Boards of studies and all Faculties in the University consider these recommendations and remarks of University Grants Commission. This has also to be put up before the Academic Council for their consideration.

Sd/-  
(Ravi Prakash)



(306)

Annexure III to Item No.

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SCHOOL OF BIOLOGICAL SCIENCES

ADDITIONAL GRANT

Items.	Additional amount required.	Justification
1 Books Journals	a. Books Rs. 3,50,000/- b. Back Volumes of Journals & regular Journals Rs. 5,00,000/- Total Rs. 8,50,000/-	In the school of Biological Sciences the quantum of Journals and their back volumes required are costly in the present allocated amount these requirements cannot be fulfilled.
2 Equip- ments	Rs. 20,00,000/-	In the present allocated amount we are even not in a position to fullfill the assestial requirements of equipment. In order to do research and teaching in the advanced micro-biology, bio-chemistry genetics cell biology, inland fisheries and developmental biology the instruments such as (1) Spectrophotometer with all accessories for analytic purpose (Rs. 1,50,000/-) centrifuge (Rs. 2,00,000/-) (3) Sciencillation courter Rs. 1,50,000/- (4) election microscope (Rs. 5,50,000/- (5) three research microscopes with all accesories Rs. 1,00,000) (7) X-ray equipment (Rs. 2,00,000/-) (8) Photo-densitometer (Rs. 200000/-) (9) Micro-manipulatory (Rs. 1,00,000/-). (10) Gas liquid chrometogram (Rs. 1,00,000) Accessories such as stabilizer air conditioners etc. to main-tain there instrument in

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Items	Additional amount required	Justification
4. Building	(a) The SRF laboratory Rs. 1,00,000/-  (b) laboratory for Gnobiotic animals Rs. 2,00,000/-  (c) Radition biology laboratory Rs. 2,00,000/-	<p>good condition (Rs. 1,50,000) are absolutely necessary. This additional grant is a must for research/practicals etc. in a befitting way. Present workload is 228 hours per week. The present staff strength is one Professor four readers and four lecturers. The professors is not in a position to devote time for teaching and research. In order to cope up with the teaching four Readers and two Lecturers need to be sanctioned. Six research Associates for a period of five years need also to be sanctioned.</p> <p>a) SRF laboratory is required for keeping germ free animals for microbiology and immunegentic study. For such purpose special design of room free from entry of wild codents, flying and crowing insects is required. At the same time special attention is to be drain entry and exist block for personn and installation of heating light ventilation and other services should also be taken into consideration.</p> <p>b) The laboratory for gnobiotic animals is must for study of appl genetics specially in more study of the actiology of inflations diseases. Similarly such animals are necessary for micro-biological study such as sonal flora inject ing them. Their use in develop- mental biology is also very necessary.</p> <p>c) Radiation biology laboratory a must for isotopic work.</p>

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Items	Additional amount required	Justification
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d) Genetic laboratory is also necessary for applied research work in genetics.

e) Glass house for plants is a must for physiology and pathology study.

f) Fish farm with poultry, ~~cows~~ and piggery sheds would be ideal for demonstrating entegrater approved intensive farming field practicals for those who offer inland fisheries course could be deminstrated. After this farm is established it will be converted to regular commercial cum demonstration unit and this would give regular and additional income for the Department.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Date :

26th Sept. 1977.

32  
Item No. To reconsider the proposal of the Kashi Vidyapith, Varanasi, for creation of a professor's post in the Department of Hindi.

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The University Grants Commission at its meeting held on 18th April, 1977 (Item No. 24) considered the proposal of the Kashi Vidyapith for creation of professor's post in the Departments of Hindi and Sanskrit. The Commission agreed to provide professor's post in the department of Sanskrit but could not agree to the proposal of the university for providing an additional post of professor in Hindi. A copy of the note placed before the Commission is enclosed (Appendix I).

The Vice-Chancellor, Kashi Vidyapith has requested for reconsideration of his proposal for creation of an additional post of professor in Hindi. He has indicated that in case there is some difficulty in the creation of additional post, the post of professor may be provided in lieu of the post of lecturer approved by the Commission in the department of Hindi during the V Plan period. A copy of the Vice-Chancellor's letter is enclosed (Appendix II).

The V Plan Visiting Committee recommended posts of 2 readers in first priority, 1 professor in second priority and 3 lecturers in 3rd priority in the department of Hindi. The Commission has approved posts of 1 reader and 2 lecturers in the department of Hindi during the V Plan period.

The matter is placed before the Commission for consideration.

AS(D-2b)/DS(D-2)

Copy of the note placed before the Commission in its meeting held on 18th April, 1977 vide Item No. 24.

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Date: 1.1.1977

To consider the proposal of the Kashi Vidyapith, Varansi for creation of professor's posts on the departments of Hindi and Sanskrit.

.....

The University Grants Commission at its meeting held on 15th November, 1976 (Item No. 8) considered the report of the V Plan Visiting Committee on Kashi Vidyapith, Varansi, and approved creation of one reader's and two lecturers' posts in the department of Hindi and one reader's post in the department of Sanskrit.

The Kashi Vidyapith has now requested for creation of professor's post in the departments of Hindi and Sanskrit. The University has stated that the entire teaching is done through the Hindi medium. The level of teaching of Hindi literature is fairly high. The department is a prestigious department and it needs a good strengthening by way of additional academic staff which is possible only when more professorships and readerships are allowed in this department. The Vidyapith has further pointed out that the V plan Visiting Committee was not correctly informed about the position of the post of professor in the department of Sanskrit. The Committee presumed that the post of Professor which was one of the top priority needs in the spill-over charge of the V plan existed as such whereas the Commission seems to have liquidated all the posts of the spill-over charge of the IV plan. Due to the above mentioned misunderstanding, the department is engaged in high level research and it seems absolutely necessary that this department should be headed by a Professor. Copies of the letters received from the Kashi Vidyapith are attached (Annexure-I).

The V Plan Visiting Committee recommended posts of two readers in first priority, one professor in second priority and three lecturers in third priority for the department of Hindi and one reader in first priority and one lecturer in second priority for the department of Sanskrit. The Commission approved posts of one Reader and two lecturers for the department of Hindi and one Reader post in the department of Sanskrit. Relevant extracts from the Visiting Committee's report about departments of Hindi and Sanskrit are attached (Annexure-II).

Contd.

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It may be mentioned in this connection that the Commission approved one post of professor in Sanskrit at Kashi Vidyapith in the IV Plan period but this was not filled by the University. The University filled the post of one reader and two lecturers in the department of Sanskrit which were approved during the IV plan. The post of professor therefore lapsed. The V Plan Visiting Committee has however recommended that the vacant post of professor in the department may be filled up without delay.

The proposal of Kashi Vidyapith is placed before the Commission for consideration.

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AS(D-2b)/DS(D-2) . . .

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Copy of letter No.R/1447/UGC/Misc/77 dated 12.1.77 from Shri P.N. Mehrotra, Registrar, Kashi Vidyapith, Varansi-2 addressed to the Secretary, University Grants Commission, New Delhi.

Subject: Sanction of proposals for V Five year Plan.

I am desired to invite your attention to the Commission's acceptance of the proposals of the V Five Year Plan, communicated to us vide your letter No.F.15-9/74(D-2a/D-2b) dated December 23, 1976. I am to say that while the Vice-Chancellor desires to send later his comments on the various schemes accepted by the Commission, he has directed me to bring to your notice a discrepancy on page 209 of the report of the Visiting Committee, sent along with the letter of acceptance. The Committee, while discussing our requirements for the Department of Sanskrit, has recommended the additional posts of a Reader and a Lecturer, and has also said, "The vacant post of Professor may be filled without delay".

Evidently the Committee presumed that the post of the Professor of Sanskrit, which was one of the top priority needs in the spill-over charge of the IV Five Year Plan, existed as such, whereas the Commission seems to have liquidated all the posts of the spill-over charge of the IV plan. It may be stated here that all Departments of Kashi Vidyapith are post-graduate Departments, and their activities range from teaching to research, leading to award of Ph.D. Degree. Each Department is headed by a Professor, and due to above mentioned misunderstanding the Department of Sanskrit has been deprived of a Professor Head. This seems to be not only discriminatory, but also wanting in academic needs. The Department of Sanskrit is engaged in high-level research, and there is provision for award of even D.Litt. Degree. As such it seems absolutely necessary that this Department should also be headed by a Professor with a view to enrich it academically and also to further expand it.

I am, therefore, to plead with you that the post of Professor of Sanskrit be kindly accepted for this Department, which obviously seems to have suffered because of misunderstanding on the part of the Visiting Committee. The sooner the damage is amended the better it will be for the Department.

I shall be grateful to hear a line in reply to my above request for an amendment of the allocations.

Thanking you,

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P.7.0

3/77

Copy of letter No.R/1500/V Five Plan/77 dated January 31, 1977 from Shri Raja Ram Shastri, Vice-Chancellor, Kashi Vidyapith, Varanasi addressed to the Secretary, University Grants Commission, New Delhi.

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Subject: Proposals of the 5th Five Year Plan- Acceptance of an additional Professorship in Hindi.

.....

The Commission has been pleased to send us their acceptance of certain proposals for the 5th Plan period covering a grant of Rs.40 lakhs on a sharing basis, for which I am grateful, though there is a big gap between our needs and the acceptance given.

2. Whereas I fully realize the limitations under which the Commission has had to slash down our proposals, I should like to reimphasize certain requirements which may kindly be brought to the notice of the Commission for their reconsideration.

3. There has been evidently one omission in the recommendations of the Commission, viz., the vacant post of the Professor of Sanskrit has been advised to be filled up, whereas the post does not exist. In fact it is the only Department of Vidyapith which does not have a Professor. I have already sent a separate representation for the same.

4. Another important requirement which I request to Commission to reconsider is the creation of an additional post of a Professor in the Department of Hindi. Vidyapith is the only University, not only in the State of Uttar Pradesh but rather in the country, where Hindi occupies the most predominant position. Our entire teaching is done through the Hindi medium, and the level of teaching of Hindi literature is also fairly high. It may be added that teaching of Hindi in Vidyapith also plays an important rôle in relation to teaching of various subjects taught in the faculty of Social Sciences. In fact background of Hindi of our students helps to raise their performance in other disciplines too. So in a way it serves as an important coordination link in studies in Vidyapith. It may also be stated here that the Visiting Committee itself has realized our need for an additional Professorship in Hindi and made a specific recommendation for the same. For us the Department of Hindi is a prestigious Department, and it does need a good strengthening by way of additional academic staff of high excellence. This is possible only when more Professorships and Readerships are allowed to this Department.

In view of the facts stated above, I hope the Commission may reconsider the important issue and I shall be grateful for their sanctioning the post asked for.

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Annexure I

Extracts from the Visiting Committee's Report about departments of Hindi and Sanskrit.

DEPARTMENT OF HINDI - The department was started in 1964.

The present strength of the Department is ten :-

- Professor 1
- Readers 2
- Lecturers 7

The enrolment in the department is as follows:-

M.A. I Yr.	M.A. II Yr.	B.A. I Yr.	B.A. II Yr.	Ph.D.
75	75	135	220	70

Besides teaching the literature to Students, the department also conducts courses in General Hindi as language requirement at University degree level.

The following additional posts are recommended:-

- One Professor in Hindi.
- One Reader in Hindi
- One Reader in Applied Linguistics to be shared with other language departments
- Two lecturers in Hindi
- One Lecturer in Applied Linguistics.

It is hoped that with one reader and one lecturer in Applied Linguistics, it will be possible for the department to introduce Linguistics at the M.A. level either as full paper or part of a paper. A sum of Rs.30,000 is recommended for books and journals.

DEPARTMENT OF SANSKRIT - The department was started in 1971.

The present strength of teaching staff in the department is five that is, one reader and four lecturers.

The enrolment in the department is as follows:

M.A. I Yr.	M.A. II Yr.	B.A. I Yr.	B.A. II Yr.	Ph.D.
51	14	100	100	40

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Some additional staff is certainly needed to cope with the load of teaching as well as research guidance. The Committee recommended the following additional posts :-

One Reader

One Lecturer

The vacant post of Professor may be filled without delay.

The teachers feel that the absence of back journals hampers research work in the department and that a considerable allocation is needed for the purchase of back numbers of journals. A sum of Rs.30,000/- for this purpose is recommended.

It is hoped that the department will introduce some Applied Linguistics at the M.A. level in addition to Compulsory Philology that is already being taught.

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Copy of the letter No.P.A. 2452/1977 dated 23rd July, 1977 received from Raja Ram Shastri Ex. M.P. and Vice-Chancellor, Kashi Vidyapith Varanasi. addressed the Chairman, University Grants Commission, New Delhi.

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In the first week of June I had a talk with you and requested you to reconsider my request for an additional post of Professor in Hindi. You agreed with me that Kashi Vidyapith being the first and only institution in India to introduce Hindi language as medium of teaching in higher studies long back in pre-independence period and also being the first institution to develop research in Hindi Literature with special emphasis on sociological aspects of literature, has special claim for more higher posts to develop the department. But the position is just the reverse. The Commission has been kind enough to grant additional posts of Professors in Hindi to almost all the Universities of the State except Kashi Vidyapith.

I also drew your attention to the fact that the State Government realised our claim and permitted us to start M.Phil. course in Hindi. To start this course and organise the research work on the guidelines provided by U.G.C. it is essential that a senior person with sufficient experience of guiding research is appointed. I would like to point out that our emphasis has always been on inter-disciplinary research. Research in Hindi, for example, has been directed to such subjects as "Sociological Study of Post-Independence Literature, etc." and "Change in Social Values and its impact on new literature" etc.

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The Visiting Committee, due to the ceiling on development grant for Kashi Vidyapith, could not recommend some of our genuine demands and confined itself only to such proposals which were vital for the existence of Kashi Vidyapith as a University. But unfortunately even such recommendations of the committee were cut down by the Commission. The Commission must have reasons to do so. But the Visiting Committee, as transpired from the discussion, considered the creation of an additional post of Professor in Hindi essential for the proper development of the department. I, therefore, expressing my views, as desired by the Commission, about the development grant sanctioned by the U.G.C., confined myself only to this request that the recommendation of the Visiting Committee for the creation of an additional post of Professor in Hindi be accepted, so that I may be able to develop the department according to my plan.

I got the impression from my discussion with you that the only difficulty was the scarcity of funds and this could be solved if I surrender a post of Lecturer. I am ready to do so. I, therefore, request you to grant one additional post of Professor in Hindi in lieu of a post of Lecturer. I hope that now you will have no difficulty in acceding to my request.

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated:

26th Sept 1977

Item No. 50  
37 To consider the proposal of Aligarh Muslim University for change of designation of the staff working in the computer centre and for upgrading the post of Associate Lecturer-cum-Programmer to that of a Lecturer.

On the recommendation of the Expert Committee constituted by the Commission to consider the proposal of the Aligarh Muslim University for assistance for installation and maintenance of IBM-1130 Computer acquired by the University under 12 million \$ loan Scheme, the Commission at its meeting held in February, 1972 (Item No. 17) agreed to provide following staff for the Computer Centre outside the plan allocation.

1. Head of the Computer Centre (part-time basis).
2. Senior Programmer in the grade of Rs.400-950 (2 posts).
3. Programmer in the grade of Rs.325-650 (2 posts).
4. Machine Operator in the Grade of Rs.210-425 (2 posts).
5. Junior Machine Operator (1 post).

The Expert Committee in its report had also made the following observations:

"The Committee felt that the Computer Centre should develop not merely as a service facility but also an academic department and take part in instruction and research. The Centre should organise courses in computer science and should also play the role of trying to change the attitude of the staff and the students of the university and of training them to use modern methods of analysis and design which should be computerised".

The Academic Council and the Executive Council of the Aligarh Muslim University considered the above recommendation and desired that with a view to undertaking teaching programme at the computer centre it would be desirable to change the designation of senior programmer as lecturer-cum-senior programmer and of programmer as associate lecturer-cum-programmer. The University also in its advertisement mentioned the changed designation (Annexure-I). Selection for the approved posts were made by regular selection committees and their recommendations were confirmed by the Executive Council in 1973. The University has indicated that the persons appointed have since been engaged as members of Boards of Studies in developing postgraduate training programmes in computer science. The nature of duties of the persons working against the above posts is purely

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academic. Each person engages postgraduate classes in lectures and tutorials as well as guides project work of the students. Some M.Phil. and Ph.D. students have also been working under the supervision of the teachers.

The University has indicated that it is very important that associate lecturers should be up-graded as lecturers as has already been done in the case of engineering and medicine facilities since they are fully qualified and are taking lectures of post M.Sc. classes for the past two years. This up-gradation may be implemented from the date as in other faculties. A copy of the letter received from the university in this regard is enclosed (Annexure-II). The qualifications of persons working as senior programmer and programmer are indicated in the Appendix-A to Annexure-II.

It may be mentioned that in January, 1974, the proposal of the University for revision of pay-scale of the posts of associate lecturer-cum-programmer from Rs.325-650 to Rs.350-25-500-EB-30-650 approved for the computer centre during Fourth Plan period, was accepted.

The proposal of Aligarh Muslim University for ex-post-facto approval for change of designation of senior programmer to that of lecturer-cum-senior programmer and of programmer to that of associate lecturer-cum-programmer and up-gradation of the posts of associate lecturers-cum-programmers to that of lecturers from the same date as has been done in the case of engineering and medicine facilities is placed before the Commission for consideration.

A.S.(D-2b)/D.S.(D-2)

ANNEXURE-I

ALIGAH MUSLIM UNIVERSITY

Advertisement No. 5/72-73.

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Applications are invited on the prescribed application form for the following posts:

13. Lecturers-cum-Senior Programmer (Computer Centre). Scale Rs. 400-40-800-50-950 plus D.A.

Qualifications:

Postgraduate degree or Diploma in Computer Science or M.Sc. degree ordinarily in the first or high second division or a first class B.Sc. (Engg.) degree. Research degree in Sciences or Master's degree in Engineering will be considered as additional qualification.

Experience:

Suitable experience of working at a Computer Centre.

16. Associate Lecturer-cum-Programmer. Scale Rs. 325-650 plus D.A.

Qualifications:

Degree in Computer Science or M.Sc. or B.Sc. (Engg.) degree ordinarily in the first or high second division. Research degree and experience of working at a Computer Centre will be considered an additional qualifications.

Sd/- P.V. George  
Registrar

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ANNEXURE-II

Copy of letter of February 24, 1977 from Professor A.M. Khusro, Vice-Chancellor, Aligarh Muslim University, addressed to Professor Satish Chandra, Chairman, University Grants Commission.

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The University is grateful to the University Grants Commission for its help to the University in the development of its computer science teaching programmes. Ten postgraduate scholarships have already been instituted by the Commission for the postgraduate course being given by this University. The question of teaching support for this course has somehow remained in the background perhaps because of some misunderstanding in the past. I have studied this case in detail and am forwarding a note in this connection for your consideration.

I shall be extremely grateful if you will sympathetically examine the whole case and accept the points raised at the end of this note. I am also asking Dr. Aslam Qadeer to personally explain the case to you in detail and further seek your help in the matter.

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A note on the posts of Teachers and Programmers  
at the Aligarh Muslim University Computer Centre:

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The Computer Centre of the University was established by the University in 1971. The University also constituted a Scientific Committee consisting of the following external experts to advise the University in developing its computing facilities as well as its future training, development and research programmes in Computer Science.

1. Professor V. Rajaraman, I.I.T., Kanpur.
2. Dr. P.V.S. Rao, TIFR, Bombay.
3. Professor Mohi Mukerjee, B.I.T.S., Pilani.

The Scientific Committee urged the University to not only develop a computational facility but also to develop its computer science programmes at all levels.

Later a UGC Committee consisting of the following experts visited the Computer Centre of the University on 22nd October, 1972:

1. Professor H.N. Mahabala, I.I.T., Kanpur.
2. Dr. S.P. Srivastava, T.I.F.R., Bombay.
3. Mr. I.C. Menon, Development Officer, U.G.C.

This Committee also very strongly recommended to the University to vigorously start its undergraduate and postgraduate computer science teaching and research programmes. The following paragraph from the above cited report of the UGC committee is worth noting:

"The Committee felt that the Computer Centre should develop not merely as a service facility but also an academic department and take part in instruction and research. The Centre should organise courses in computer science and should also play the role of trying to change the attitude of the staff and the students of the University and of training them to use modern methods of analysis and design which could be computerised".

Based on the recommendations of the Scientific Committee and the U.G.C. Committee the University, on the recommendations of its Academic Council, constituted a Board of Studies in Computer Science on 17.7.1972 (vide E.C. resolution dated 17.7.72 under Chapter-II Clause 17/18 of the Academic Ordinances) and also redesignated the posts of Senior Programmer (in the grade of Rs.400-950) as Lecturer-cum-Senior



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Programmer and Programmer (in the grade of Rs. 325-650) to Associate Lecturer-cum-Programmer vide Executive Council resolution dated 17.7.1973 to facilitate its proposed computer science teaching programmes.

It may be stated here, without the slightest doubt, that at that time the UGC whole-heartedly accepted the redesignation by the University of the above mentioned posts of Senior Programmers and Programmers as Lecturer-cum-Senior Programmer and Associate Lecturer-cum-Programmer respectively. This could be verified from the UGC's order No.F.29-5/71(Sc.I) dated January 25, 1974 wherein the Commission agreed with the proposal of the University to treat the Associate Lecturer-cum-Programmers as equivalent to Associate Lecturers in other departments because they perform the same teaching and other academic duties.

The minimum qualifications for the posts of Lecturer-cum-Senior Programmer and Associate Lecturer-cum-Programmer were approved by the Academic/Executive Council before the appointments were made through advertisement in National dailies. Regular Selection Committees of the University were held and their recommendations confirmed by the Executive Council of the University in 1973. It is unthinkable that in 1977, there could be any doubt whether persons so appointed should be treated as academic staff or non-academic staff. The persons appointed on the posts of Lecturers and Associate Lecturers in Computer Science have since been engaged as members of Board of Studies in developing postgraduate teaching programmes in Computer Science.

At a meeting of the Scientific Committee held on 7.1.1973, attended by the following external experts, a postgraduate course was proposed (brochure attached):

1. Professor P.V.S. Rao, T.I.F.R., Bombay.
2. Professor D. Datta Majumdar, I.S.I., Calcutta.
3. Professor H.N. Mahabala, I.I.T., Kanpur  
(approved recommendation by post)
4. Professor Rais Ahmed, (now Director, NCERT, Delhi).

Proposals for further expansion of the computing facility, hardware laboratory and teaching and research programmes were prepared for submission to the UGC. Since then revised expansion proposals have been submitted. These proposals are under the active consideration of the UGC and were included in the agenda of the last meeting of the UGC Committee held on July 5, 1974.

The second UGC Committee consisting of the following experts visited the Computer Centre to evaluate the one year postgraduate course in Computer Science:

1. Dr. N.W. Narurkar, Director, Department of Electronics
2. Professor J.C. Shouri, I.I.T., Kanpur.
3. Dr. N.C. Khandekar, University of Delhi.

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The Committee approved the course and instituted ten postgraduate fellowships of Rs.400/- each for this course.

The nature of duties of persons appointed on these posts of Lecturers/Associate Lecturers is purely academic. Each person engages postgraduate classes in lectures, tutorials and laboratories as well as guides project work of the students. These persons also help the other users in joint research projects and programme development and consultation work besides modifying and developing the system software. Some M.Phil and Ph.D. students have also been working under the supervision of these teachers. The qualifications of these persons are given in Appendix-A.

The presence of these teachers has immensely helped in the utilisation of the present computing facility and the development of computer science training programme. A glance at the utilisation of the computing system (Appendix-B) will show the rapid growth of work at the Centre, the large backlog of work, and the immediate need for the expansion of the present IBM 1130 computing system. The postgraduate diploma course has proved so popular that every year nearly 160 persons applied for the only ten seats available for the course. Students with 65% marks and above only are accommodated in this course. Besides the advanced level postgraduate diploma course a professional course is also being given to train personnel for large data Centres. Additional undergraduate and postgraduate programmes are being planned by the Centre and proposals in this regard are being considered by the U.G.C.

likely

It is quite likely that some experts in Computer Science may not agree with more and immediate development in teaching programmes of this Centre. However, it is unthinkable that after directly supporting the computing facility and postgraduate computer science programmes at this University, the UGC may still be considering the question of giving recognition to teachers of computer science of this Centre who have been selected through most rigorous formal procedures and are diligently performing their duties for the last four years.

It is also very important that Associate Lecturers at this Computer Centre should be upgraded as Lecturers as already done in the case of Engineering and Medicine Faculties, as they are fully qualified (possessing Ph.D. and M.Tech. degrees) and are taking lectures of post M.Sc. classes for the last two years. This upgradation must also be implemented from the date as in other faculties.

The University Grants Commission has, vide its letter No.F.18-1/70(SR-II) dated 22.11.76 approved four posts of Programmers (in the grade of Rs.700-1200). As these teachers are already overworked the University wishes to immediately appoint at least two programmers and shall fill up the remaining two posts a little later when the work load grows further.

In view of the opinions of the expert committees of the UGC and its approval of the postgraduate diploma course in Computer Science, being given by Aligarh Muslim University, the Commission may kindly agree with the following:

p.t.o.

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"Endorse the actions of the University Academic and Executive Councils where posts of Senior Programmers and Programmers in the grades of Lecturer and Associate Lecturer respectively were redesignated to Lecturer-cum-Senior Programmer, and Associate Lecturer-cum-Programmer before the appointments were actually made on these posts. If the UGC may so desire the University might, ex-post-facto, redesignate these posts just as Lecturers and Associate Lecturers with the proviso that the incumbents shall perform the same duties as envisaged in their original appointments.

"Redesignate the post of Associate Lecturer in Computer Science as Lecturers as has been approved by UGC in case of Engineering and Medicine Faculties and implement it from the same date as in these faculties.

"Allow the University to immediately appoint two programmers out of the four such posts sanctioned recently with the provision for the appointment of the other two at a later date when the workload grows further.

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APPENDIX-A TO ANNEXURE-II

Qualifications and experience of the teachers of  
Computer Centre, Aligarh Muslim University;

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Name	Post	Qualifications	Publications & Experience
1.	2.	3.	4.
Dr. Moonis Ali.	Lecturer-cum- Sr. Programmer	M.Sc., Ph.D. (A.M.U.)	<u>Publications:</u> 1. Papers - 04 2. Popular Articles - 11 3. Projects - 02 4. Technical Reports - 06 5. Conferences attended - 06.  <u>Experience:</u> 4 years' as research scholar & Lecturer. Taught Physics to B.Sc. & M.Sc. classes and guided research scholars at A.M.U., Aligarh.  5 years' as Lecturer-cum-Senior Programmer in Computer Science at A.M.U., Aligarh.
Mr. D.C. Tomar.	-do-	B.Tech., DCS (IIT/Delhi).	<u>Publications:</u> 1. Papers - 04 2. Newsletters - 04. 3. Projects - 04. 4. Technical Reports - 10. 5. Conferences attended - 05.  <u>Experience:</u> 2 years' as Programmer at I.I.Sc. Bangalore.  3½ years' as Lecturer-cum-Senior Programmer in Computer Science at A.M.U., Aligarh.
Mr. Ishtiaque A. Khan.	Associate Lecturer-cum- Programmer.	M.Tech. (IIT/Kanpur)	<u>Publications:</u> 1. Papers - 02. 2. Projects - 08.  <u>Experience:</u> One year's as Research Associate at IIT, Kanpur (Research and development work).  Four year's as Associate Lecturer- cum-Programmer in Computer Science at A.M.U., Aligarh.

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3.

4.

Dr. R. Tewari Associate Lect- Ph.D.  
urer-cum- (IIT, Kanpur)  
Programmer.

Publications:

- 1. Papers - 04.
- 2. Projects - 02.
- 3. Technical Reports - 03
- 4. Conferences attended - 03.

Experience:

6½ years<sup>1</sup> as tutoring of Physics to I, II, III year of B. Tech. and M.Sc. students as R.A. and S.R.A. at IIT, Kanpur.

2 years<sup>1</sup> for the Nuclear Physics Group at IIT, Kanpur.

3½ years<sup>1</sup> as Associate Lecturer-cum-Programmer in Computer Science at AMU, Aligarh.

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C O N F I D E N T I A L

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 26th September, 1977

Item No.34: To consider further the proposal of the Aligarh Muslim University for expansion of Computer facilities.

, . . . . ,

The Commission at its meeting held on 20th June, 1977 vide Item No.27 accepted the recommendations of the department of Electronics, Government of India for replacing the existing computer system at Aligarh Muslim University by a larger computer system and agreed to provide funds for the purchase of the computer system to be recommended by the Department of Electronics. (Copy of note placed before the Commission is enclosed, Appendix-I\*). The Commission also noted that the university has assured that a sum of Rs.10 lakhs in foreign exchange would be made available from out of the donations received by the university from the United Arab Emirates. The Commission further desired that this may be got confirmed from the university. The Aligarh Muslim University was requested to confirm this. The University has now informed that it is not in a position to confirm availability of Rs.10 lakhs in foreign exchange for the purchase of computer. A copy of the letter received from the Pro-Vice-Chancellor is attached as Appendix-II@

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The Department of Electronics was earlier informed by the Aligarh Muslim University that an amount of Rs. 10 lakhs in foreign exchange would be available for the purchase of computer from out of a donation from the United Arab Emirates and that the UGC would provide the balance of rupee grant. On the basis of this, the Department of Electronics has recommended a configuration for purchase of computer system to the university which could be accommodated within the amount. In view of the letter received from the university now the financial implications involved in purchase of computer would change and the Commission may have to provide the entire amount of Rs.40 lakhs and also grant for construction of building, air-conditioning installation etc. The Department of Electronics will also have to provide the entire amount required in foreign exchange for this purpose.

The matter is placed before the Commission for consideration.

EO(SR-I)

Appendix I to Item No 34.  
Confidential

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated : 20th June, 1977

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Item No. 27 To consider the recommendations of the Department of Electronics, Govt. of India, regarding the proposal of Aligarh Muslim University for expansion of computer facilities.

The Aligarh Muslim University obtained in 1970 an IBM 1130 computer under the US million dollars loan scheme. Later on the University approached the Commission in 1975 for expansion of the computer facilities as the existing IBM 1130 was found inadequate to meet the ever increasing demands of the university teachers and research workers. The proposal was considered by the UGC Standing Committee on Computer Development and the Committee desired that this may be considered in consultations with the Department of Electronics. The proposal was under consideration of the Department of Electronics for a considerable time and it was initially recommended that the expansion of the existing IBM 1130 computer with some other peripherals would meet the requirements of the University. However, this could not be materialised and in 1976 keeping in view the needs of the university the Department of Electronics advised the university to consider replacing the existing IBM 1130 system by a low medium size computer system. A detailed proposal received from the university was further processed by the Department of Electronics and now they have given the recommendations indicating the configuration of the computer system which could meet the demands of the university for next 5 years or so. A copy of the letter received from the Department of Electronics in this regard giving the system configuration is attached as Annexure.

The financial implications of the recommendations of the Department of Electronics are given below:-

1. The Commission will have to provide an additional allocation of Rs.30 lakhs to Aligarh Muslim University for purchase of new computer system, in addition to Rs.10/- lakhs in foreign exchange available out of United Arab Emirates grants available to Aligarh Muslim University.
2. The Commission will have to provide grant for construction of the building, air-conditioning and other recurring items like staff, stationery etc. for the computer centre. The exact amount involved in this has not been indicated. It is expected that the non-recurring part would be about Rs.5 lakhs and the recurring assistance would be as per guidelines for staff etc. laid down by the UGC. The Department of Electronics wants UGC to confirm the availability of the funds for the year 1977-78 so that the proposal could be further processed by them.

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If this proposal is accepted by the Commission, the existing IBM 1130 computer would be transferred to some other university, when the new computer is installed at the Aligarh Muslim University. This would be decided on the advice of UGC computers committee.

The matter is placed before the Commission for consideration.

ED(SR)



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Copy of letter No.151(1)/77-DE-36 dated 27-4-1977 from Col. A. Balasubramanian, Officer on Special Duty, Department of Electronics, New Delhi, to Shri AG Deshmukh, Education Officer, UGC, New Delhi

Sub: Computing facilities at the Aligarh Muslim University

Please refer to your d.o. letter No.F.18-1/70(SR-I) dated 17th March 1977 on the above subject. It is noted that Aligarh Muslim University (AMU) installed an IBM 1130 Computer System in 1971 with the following configuration:-

- 1130-0200, 16K CPU 3.6 micro seconds cycle time . .
- 1442-005 Card Punch 160 columns per second
- 2501-082 Card Reader 1000 cards per minute
- 1443-007 printer, 600 lines per minute

The AMU Computer Centre was established with the following objectives :

- Service to all university departments
- computer science education
- to develop expertise in computer hardware/software.

2. From the year 1974, the university has started offering a one year Post Graduate Diploma Course in Computer Science with a bias on systems and applications software. The university has also developed usage on computers for scientific and engineering problem solving. Since mid 1973, the AMU computer system is running round the clock. Increased awareness in various departments, has resulted in a high turn-around time. It is noted that the existing IBM 1130 computer system does not offer appropriate facilities for computer science education especially for the Post Graduate Computer Science Diploma with bias on software. AMU had earlier requested to the Department of Electronics for the expansion of the IBM-1130 system. The quotations from M/s IBM for the expansion was rather expensive and due to the memory capacity speed and other limitation on the IBM-1130, total replacement by the TDC-316 system seemed more advantageous in the long run.

3. The current proposal of AMU envisages a third generation computer facility for meeting the requirements for computer science education and the computing requirements of the university. The university has examined systems such as R-1040, Burroughs, IBM, DEC etc. besides systems like Varian-77, PDP-11/70, Interdata 8/32 and other equivalent systems. They feel that whilst the hardware from the latter systems would generally meet the needs of the university, the software availability may be rather restricted. This would not be a serious handicap since in a university environment most of the applications can be sustained by a good compiler and mathematical routines.

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Suggested Confirmation

4. In view of saturation of existing computing facilities and also the potential computer usage by various departments of the university, it is agreed that AMU should replace the current IBM-1130 system by a modest sized computer system primarily to support the computer science Post Graduate Diploma programme and also to meet the needs of university computing. The larger sized mini range of computer systems offer excellent hardware using latest technology and software adequate for the university environment. A computer system of the following configuration/specifications could generally meet the needs of the AMU:

HARDWARE:

- Central Processing Unit with following features:
  - multi programming with 4 programs
  - concurrent processing
  - terminal handling capability
- Memory 256K Byte (16 bits per word or above)
- Addressing capability
  - byte, half word, word and double word  
(bit addressing features may be indicated)
- Addressing modes
  - direct, indirect, indexed, base
- Floating point arithmetic unit (preferably hardware),  
double/extended precision arithmetic unit
- Writable Control store
- Direct access storage with control annual ( 200  
million bytes distributed over 2 drives minimum)
- Tape Transport - 3 Nos. with appropriate  
control (1600 bpi, 80-120 KC)
- Card Reader 600 cpm - 1 No.
- Line Printer 600 lpm - 1 No.
- 1 Teletype and 3 VDU

The system, under consideration, should have possibilities for expansion in the following ways:

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- Facilities to connect extra peripheral units such as
  - plotter
  - CRT displays
  - process input/output subsystem
- Extension of memory equivalent to 512 K Bytes
- Disc Storage
- Tape Transports
- Connect it to another computer system

#### Software

The system could support

##### (a) Operating System

- Multi-programming operating system with more than 4 partitions
- Time sharing operating system
- Interactive Graphic System (at a later date)

##### (b) Language Processors

- Assembler & Macro Assembler
- FORTRAN-IV
- Multi-terminal BASIC
- COBOL or equivalent business processing language (for educational use)
- String processing compilers (optional)
- Utility software
- Scientific and Statistical packages

##### (c) Application software

- Linear Programming
  - CPM, PERT packages
  - Continuous and discrete simulation
  - Data Base Management System (suitable for educational use)

#### Budget

AMU have indicated availability of Rs.10 lakhs in FE out of UAE grants and also a provision of Rs.30 lakhs. It is considered



that a system of the configuration as above could be procured within Rs.30 lakhs. AMU have also indicated that the UGC should support the building, air-conditioning and manpower. This aspect may be confirmed.

6. It is suggested that UGC may kindly confirm the availability of funds for the year 1977-78 so that approval for specification and suitable action can follow.

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Copy of D.O. Letter dated July 28, 1977 addressed to Dr. D. Shanker Narayan, Additional Secretary, University Grants Commission from Shri Mohammad Shafi, Pro-Vice-Chancellor, Aligarh Muslim University, Aligarh.

.....

Dear Dr. Shanker Narayan,

Kindly refer to your letter No.F.17-4/77(SR-I) dated July 12, 1977. The University is grateful to the Grants Commission for agreeing to provide the necessary grants for the purchase of a larger computing system for the Aligarh Muslim University as recommended by the Electronics Commission. We hope an early action will be taken in collaboration with the Electronics Commission so that the new computing system of the University is installed by January 1978.

The University was expecting to receive more than Rs.1,00,00,000/- from United Arab Emirates for the Institute of Petroleum Technology and it was proposed to divert Rs.10,00,000/- from this amount for the central computing facility of the University. However, no grant has been received so far. It is now expected that only Rs.15,00,000/- may be available for the department of Petroleum Technology in the near future but even for this amount there is no official confirmation. Under these circumstances the University is not in a position to confirm that Rs.10,00,000/- in foreign exchange could be available for the purchase of the University Computer.

The University is extremely grateful to the Grants Commission for conveying its approval to the Electronics Commission and it is further requested that steps are immediately taken to acquire a suitable computing system for Aligarh as has already been done for Banaras, Roorkee, Poona and Chandigarh.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 26th September, 1977.

Item No. 35: To consider the proposal of the Rajasthan University for Financial Assistance towards introduction of postgraduate courses through Correspondence. ....

To consider the proposal of the

The Commission at its meeting held on 10th March, 1975 considered the report of the Committee appointed by the University Grants Commission to examine the proposal of the Rajasthan University for financial assistance towards the introduction of Correspondence courses at the Post-graduate level, and desired that the report of the Committee be referred to the Visiting Committee which will be visiting Rajasthan University to assess its Fifth Plan proposals. The Commission further desired that the detail of the courses for postgraduate Correspondence courses in History and Political Science may be referred to the respective panels for their comments.

The Fifth Plan visiting Committee endorsed the recommendations of the Expert Committee for assistance towards correspondence courses at the postgraduate level in the subjects of History and Political Science for two years. The Commission at its meeting held on 24th and 25th November 1975 accepted the recommendations of the Fifth Plan Visiting Committee.

The panels on Political Science and History met on 25th April and 26th May, 1977 respectively and made the following observations :-

- (i) "The syllabus of M.A. Political Science through Correspondence course of the Rajasthan University was considered and it was found to be satisfactory.
- (ii) The syllabus of M.A. History through Correspondence course of Rajasthan University was noted. The panel observed that in the alternative scheme there are number of papers of survey type which should normally be taken up at the Undergraduate level, whereas at the Postgraduate level, depth studies with reference to sources should be provided."

p.t.o.

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Since the commission has accepted the recommendations the Fifth Plan Visiting Committee and also in view of the Comments of the panels it is suggested that the following facilities as recommended by the Expert Committee and endorsed by the Fifth Plan Visiting Committee for the introduction of Correspondence courses at the Postgraduate level in each of the two subjects of Political sciences and History may be approved for assistance.

- i) Post of one Reader and two lecturers.
- ii) Preparation of reading material and guide lines etc. Rs. 15,00
- iii) Two contact programmes and one Orientation Programme. Rs. 5,00
- iv) Visiting lectures and provision for taped lectures. Rs. 5,00
- v) Evaluation of reading material and student responses Rs. 5,00
- vi) Books and Journals . . . Rs. 10,00

According to the guide lines the University Grants Commission Assistance is available at the rate of Rs. 1 lakh per subject per annum for a period of five years and is meant for core staff preparation of reading material, contact programmes, provision of visiting lecturers, books and journals and postal library services etc.

The matter is placed before the Commission for consideration.

AS (RF)/DS (ER)

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 26th September, 77

Item No. 36 : To consider a proposal from Indian School of Mines, Dhanbad for starting (i) B.Tech. (Mining Machinery) Degree Programme and (ii) M.Tech.(Mining) Industry oriented Programme.

....

On the recommendations of the 7th Plan Visiting Committee to Indian School of Mines, Dhanbad the Commission had agreed to the starting of courses in the Departments of Mining and Engineering and Mining Machinery :-

(i) Department of Mining

- (a) Three year B.Tech(Mining) condensed degree courses for diploma holders with an intake of 20 per year.
- (b) Two-year M.Tech. in open cast mining with an intake of 6 per year.
- (c) One year CISM programme in Mine survey and Planning with an-intake of 10 per year.

The following physical facilities have been agreed to for the above courses and strengthening and consolidation of the existing activities :-

Professors	.. 3 (One in mine system design one in open cast and one in mine survey).
Asstt. Professors	.. 3
Lecturers	.. 5 (Two of the five lecturers may be located in different departments depending upon the type of inputs needed for students coming from different streams into M. Tech. open cast Mining
Senior Research Fellowship	- 1
Junior Research Fellowship	- 2
Research contingencies	- Rs. 50,000/- p.a.
Equipment	- Rs. 9.00 lakhs
Additional space	- 15,000 sq.ft.

p.t.o.



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(ii) Department of Engineering and  
Mining Machinery.

1. One year postgraduate DISM programme in Coal mining machinery for electrical/mechanical graduates.

2. A three-month course in coal mining machinery/ metal mining machinery and open-cast machinery.

3. A three year condensed B. Tech. programme in mining machinery for diploma holders in electrical/mining engineering.

4. One year CISM programme in Drilling Engineering.

5. Three year part-time MTech. Course in Mining Machinery.

For the consolidation of the existing activities and the introduction of the new programmes the following physical facilities have been agreed to:--

Professors	-	2 (one for drilling engineering and one with extensive background in mining machine)
Assistant Professors	-3	
Lecturers	-5	
Sr. Research Fellowships	-2	
Jr. Research Fellowships	-2	
Tech. Asstt. (Draughtsman)	-1	
Research contingencies	-15,000	per annum
Additional space	-15,000	sq. ft.

The School has now intimated the Commission that it has started a 3-year whole time condensed course (for diploma holders in Mechanical and Electrical Engineering) and a part-time/ evening study facilities for the M.Tech. degree. after they have been approved by the Executive Board. The School has not asked for any funds for starting these courses and has stated that this is for information of the Commission as these do not involve any additional financial inputs other than hostel accommodation etc.

Although the School has now intimated that these proposals do not have any financial implications, it is for

p.f.o.

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that it may require additional inputs after sometime and may need additional financial assistance. A copy each of the two letters received from the Director of the School in this regard, is enclosed as Annexure. \*

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The matter is placed before the Commission for consideration.

AS(SA)/DS(CE)

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Annexure to Item No.36

Copy of letter No.DT/442(4E) dated July 23, 1977 from Indian School of Mines, Dhanbad addressed to the Secretary, University Grants Commission, New Delhi.

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A 3-year whole-time condensed course (for diploma holders in Mechanical and Electrical Engineering), Leading to the award of B. Tech degree in Mining Machinery, has been started at the Indian School of Mines under a V.Plan UGC approval.

With facilities thus being created for teaching at III, IV, V year levels, and general facilities already existing for teaching at the I and II year levels, a proposal has been made that the said facilities may be more fully utilised by offering a regular 5-year duration program as well for the B. Tech. (Mining Machinery) degree. Discussions with the Coal Mining Industry indicate that, in view of the heavy programme of mechanisation of the industry, the need of the coal industry alone for such engineers is at the level of about 100 per year. Currently holders of general Elec/Mech engg. degrees are recruited for such purpose and given a special orientation/induction training but, due to the comparatively adverse living and working conditions in mining areas, the turnover amongst these engineers is very high. Hence the need for a specially-trained core cadre.

The issue was discussed at length at the last meeting of the ISM academic Council, when it was agreed that the UGC approved B.Tech. (Mining Machinery) degree be also offered through the integrated 5 year version- with an annual intake of 20. With ten seats being available for the condensed course students, the senior classes will have a strength of 30. The proposal has also been approved by the ISM Executive Board.

This is for the information of the University Grants Commission. The proposal does not involve any additional financial inputs other than hostel accommodation, etc.

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Copy of the letter No. DT/438(DD) dated July 23, 1977 from the Director, ISM, Dhanbad to the Secretary UGC, New Delhi.

...

A 2-year industry-oriented M. Tech (Min) programme was started at the Indian School of Mines in 1972-73 as a UGC-approved IV plan activity. Specialisation offered include : Coal Mining / Metalliferous mining / Mine Planning / Mine Environment / Mine System Design / Mine Safety.

Since then, a 3-year part-time (evenings) M. Tech (Mining Machinery) Programme has been started at the School (in 1975-76) as a UGC-approved V plan activity. There has been a consistent demand from the mining engineers working in the nearby Jharia Coalfield for similar part-time/evening study facilities for the M. Tech. (Min.) degree. This issue was discussed at the last meeting of the ISM Academic Council, when it was agreed that such facilities be provided if at least five such students enrol. The proposal has also been approved by the ISM Executive Board.

This is for the information of the University Grants Commission.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 26th September, 1977.

Item No. 37 : To consider the proposal from Jodhpur University for reappropriation of funds during 5th Plan.

...

The Commission on the recommendations of the Visiting Committee accepted various proposals of Jodhpur University for implementation during the 5th Plan and agreed to provide a total amount of Rs. 100 lakhs of which an amount of Rs. 46.30 lakhs (including spill over and additional expenditure on 4th Plan buildings amounting to Rs. 18.73 lakhs) was covered under I Priority. A statement showing the amount approved for various schemes, action taken by the University towards implementation and the new proposals within the amount to Rs. 100 lakhs approved is given below :-

Items

<u>Spillover Schemes</u>	<u>Amount approved</u>	<u>Reappropriation suggested by the Univ.</u>	<u>Action taken by the University.</u>
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Staff	2.55	Nil	Staff appointed
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Buildings	11.16.18 (including additional Expenses approved)	-	Completed
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New Schemes

Addl. Staff	21.94	6.04	
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(5P, 15R, 17L,  
5 others)

(4P, 11R, 13L, 3 others)

Univ. had to face the

Due to enactment of Rajasthan University teachers and Officers at 1974 some difficulties in constituting of Selection Committees for recruitment of teachers. The Univ. has now taken necessary steps to fill up the posts as early as possible. 6 posts of Lecturers have already been filled.

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Research Fellowship	2.00	2.56 (for 15 Research Fellowships)	10 Fellowships have been awarded and the remaining 5 is proposed to be filled in 1977-78.
Equipment	20.92	24.42	Major portion of the grant has been utilised, the balance amount allocated will be spent within the Plan period.
Books	12.00	15.00	An amount of Rs. 3 lakhs has been booked. The balance is expected to be utilised within period.
Furniture	Nil	3.00 lakhs	Required for departmental need
Buildings.	12.41	27.40	Preliminary plans and estimates for the construction of frogery and Animal house and library for Science have been accepted by the Commission. University is taking necessary steps to start construction work. The amount earmarked for construction of Central Works has been included by the Univ. in proposals for establishment of Service and Instrumentation Centre which is under consideration of the Commission.
(i) Central Wksp.	1.00		
(ii) Class Rooms & Labs	2.00		
(iii) Frogery and Animal House	1.00		
(iv) Lib. for Sc.	3.00		
(v) Botanical Garden and Glass House	1.25		
(vi) Class rooms etc. for KN College, for women	1.78		
(vii) Staff Room	2.00		
(viii) Seminar room New campus	0.38		

As regards staff rooms and Seminar Rooms the Univer

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proposes to divert the amount approved for the project towards construction of a teaching complex at the new campus estimated to Cost Rs. 10 lakhs of which the Commission's share will be Rs. 5 lakhs at 50%.

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As indicated above the Jodhpur University proposed to utilise more amount on equipment, books, furniture and buildings and less on staff and others keeping in fact the overall allocated amount of Rs. 100 lakhs. The Statement indicating the action taken by the University on various items approved by the Commission is in the Annexure -I\*. The new Buildings proposed to be constructed is in Annexure -II.\*

The matter is placed before the Commission for consideration. It may however be pointed out that the Commission has not so far agreed in any University to re-appropriate funds provided for Recurring items to Non - recurring items.

AS (D4)/DS (D4)

UNIVERSITY OF JODHPUR  
JODHPUR

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..

Recommendations/Observations  
of the Visiting Committee as  
accepted by the Commission.

Action taken by the University.

(1) Spill over :

a) Staff 2,55,580

Rs. 2,35,924/- has been received  
in full and final statement.

b) Building 7,07,890

out of Rs. 7.07 lacs about  
Rs. 0.53 lacs is due to the  
University which has already been  
claimed.

Total- 9,63,320

(2) Additional Expenditure  
on Building:-

a) Science Block II  
Block II 4,54,785

Rs. 18,628 is due to the University  
which has already been claimed.

b) Science Block  
Biological 3,85,000

Rs. 1,98,000 is due to the  
University which has already been  
claimed.

c) T.S. Hostel 70,431  
for 105 students

Rs. 26,131 is due to the  
University which has already been  
claimed .

Total 9,10,216

(3) Departmental Equipment  
including Basic Grant  
of Rs. 5.00 lacs. 14,17,000

The basic grant of Rs. 5.00 lacs has  
been utilised in full. A sum  
of Rs. 1.97 lacs has been spent  
over & above it. Efforts are being  
made to utilise the grant in full  
by 1977-78.

(4) Departmental Books  
Including Basic  
Grant of Rs.  
3.00 lacs. 11,00,000

Rs. 3.51 lacs has been booked upto  
31.3.77 and balance will be utilised  
during the remaining period of the  
plan.



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5) Building Grant

a) Central Workshop 50,000

This amount has been included among the proposals regarding establishment of a University service and instrumentation Centre at University of Jodhpur, sent to the UGC vide this office letter No. JU/DEV/F.1(11-N)76/6205 dt. 28.2.77. The decision of the UGC is still awaited.

b) Froggery and Animal House. 1,00,000

Preliminary estimates sent to UGC for approval vide letter No. JU/DEV.F.5(10)/76 7558 dated 1.4.77, sanction awaited.

c) Library for Science total cost of Rs. 3.00 lacs. 1,50,000

The preliminary estimates sent to the UGC for approval vide letter No. JU/DEV/5(3) 7130 dated 11.3.77. sanction awaited.

d) Staff Room Total cost of Rs. 3.00 lacs. 1,50,000

The UGC is being requested adjust this amount towards construction of a new Faculty complex at new campus with total cost of Rs. 15.00 lacs provided in the Revised Plan allocated to be sent to UGC for approval.

e) Seminar Room total cost of Rs. 0.76 lacs 38,000

-do-

Total 4,88,000

Others :

a) Visiting Professorship Rs. 0.50 lacs enhanced to Rs. 1.00 lacs. 1,00,000

Rs. 0.50 lacs have been released and proposals for 6 Visiting Professors sent to UGC for approval.

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b) Botanical Garden 40,000

Rs. 12,682.81 spent upto 31.3.1977 and remaining amount will be utilised during 77-78.

c) Air conditioning of Electronic Instruments Rooms. 1,35,000

Rs. 90,764.24 has been booked upto 31.3.77.

d) Students Amenities. 45,000

Rs. 34,246.40 has already been utilised upto 31.3.77.

e) Desert Development. 40,000

Rs. 28,018.77 spent and orders for 12,000 have been placed.

Total. 3,60,000

ADDITIONAL POSTS

Professor	4
Reader	11
Lecturers	13
Others	3

After passing of the Rajasthan Universities Teachers and Officers (Special conditions of services) Act 1974 the University had various difficulties in connection with constituting Selection Committees for recruitment of teachers. The difficulties were overcome only in November 1976. Since then steps are being taken for recruitment of teachers. A number of posts as stated below have been advertised and efforts are being made to have the selection as quickly as possible. The experts are being contacted for convenient dates Professors- Commerce, Botany & Chemistry.

Readers- Economics, History, Pol. Science. Sanskrit, Law, Geology, Zoology.

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Lecturers - Hindi, Commerce,  
Geology, Zoology,  
Music, Home-Science.

Some of the posts of the Lecturers  
have already been filled in as  
mentioned below :-

1. Commerce 4
2. Home Science 1
3. Zoology 1

Research Fellow - 15

10 Research Scholars are working  
and the remaining five fellowships  
will be awarded in 1977-78.

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Annexure II to Item No. 37

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BUILDINGS

No	Name of Building	Total Out lay	Matching share	UGC Share	State Share
•	Central Workshop	0.50	100%	0.50	-
•	Frogger and Animal House	1.00	100%	1.00	- II & III
•	New Library Building at New Campus.	6.67	50:50	3.00	-
•	Staff Rooms	-	-	-	-
•	Seminars Rooms	-	-	-	-
•	Additional Class Room in New Campus.	3.05	50:50	1.52	1.53
•	Construction of 6 class room & 2 Labs at K.N. college.	2.85	50:50	1.42	1.43
•	Const. of Swimming Pool.	5.00	50:50	2.50	2.50
•	Const. of New Faculty Complex at new campus.	10.00	50:50	5.00	5.00
3.	Const. of Canteen caftaria & Furniture.	1.75	$\frac{2}{3} : \frac{1}{3}$	1.17	0.58
1.	Guest House	4.50	1.50 (limited)	1.50	3.00
2.	Play ground at new campus	0.60	50:50	0.30	0.30
3.	Construction of 4 quarters (2 for chowkidars and 2 for Drivers for tube wells)	0.30	50:50	0.15	0.15
4.	Const. of University Department for centre for desert studies.	2.00	100%	2.00	-
5.	Hostel for Girls Students	4.00	75%:25%	3.00	1.00

(350)

16. Tube well at New Campus	1.00	50:50	0.25	0.50
17. Cycle stand and scooter stand at New campus	0.50	50:50	0.25	0.25
18. Botanical garden and glass House.	1.25	100%	1.25	-
19. Second Phase-construction of Central Library	4.00	50:50	2.00	2.00

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48.97		27.40	21.57
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\*SLK\*

Confidential

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 26th September, 1977

Item No. 38 : To consider a proposal from S.N.D.T. Women's University, Bombay for additional allocation during 5th Plan.

.....

On the recommendations of the 5th Plan Visiting Committee an allocation of Rs.100 lakhs was made for S.N.D.T. Women's University, Bombay, which included a large spill over of Rs.88.45 lakhs leaving an amount of Rs.11.55 for new schemes. The entire amount of Rs.11.55 lakhs was allocated to the university under the first priority. The position with regard to the amount allocated, grants paid and the amount utilised is indicated below:-

	Share of the Commission.	Grant released	Expenditure incurred
	Rs	Rs	Rs
Equipment	3,25,000/-	3,00,000/-	18,500/-
Books	4,65,000/-	2,27,000/-	1,94,000/-
Building extension	1,12,000/-	-	The building is almost complete
Visiting Professorship	50,000/-	50,000/-	Nil
Uncovered	2,03,000/-	-	-

(an amount of Rs1 lakh has been allocated to the university for visiting professorship)

The University has now requested the Commission to approve additional proposals involving a total expenditure of Rs.45.81 lakhs of which the Commission's share will be Rs.31.70 lakhs on usual sharing basis as given in Annexure-I & II \* The additional requirements mainly comprise staff (5 professors 15 Readers, 19 Lecturers and 22 others), books Rs.4,40,000/-, Equipment Rs.5,08,000/-, Miscellaneous and others Rs.2,39,000/-, Building Rs.25,50,000/- (Vice-Chancellor's residence, staff quarters, Canteen, Printing Press and Guest House). The

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University has intimated that no additional staff was sanctioned by the Commission for the 5th Plan period. But the University has been feeling the necessity for additional staff for the strengthening of postgraduate departments. The University had submitted to the Visiting Committee schemes like staff quarters, Vice-Chancellor's residents, Canteen, University Press, Guest House etc. which were however not considered due to large spill over and the Visiting Committee recommended that this proposal may be considered favourably in case it was possible to provide additional funds to the University.

The matter is placed before the Commission for consideration.

AS(D4)/DS(D4)

Shreemati Nathibai Damodar Thackersey  
Women's University, Bombay-20

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Appendix "A"

Statement showing details of financial implications  
involved in respect of additional development  
proposals of the University.

Sr. No.	Name of the Scheme	Estimated Expenditure Rs.	UGC Share Rs.	Uni/State Government Share. Rs.
<u>I. HUMANITIES &amp; SOCIAL SCIENCES :</u>				
<u>1. Commerce (Undergraduate)</u>				
	(1) Books	20,000	20,000	-
	(2) Staff(2L)	24,000	18,000	6,000
<u>2. Social Work (Undergraduate)</u>				
	(1) Staff (2L,4 Field Supervisors)	64,000	48,000	16,000
<u>3. English Language Improvement Projects)</u>				
	(1) Books	10,000	10,000	-
	(2) Staff (2L)	24,000	18,000	6,000
	(3) Equipment	10,000	10,000	-
	(4) Printing, Stationery, Contingent Expenses.	25,000	25,000	-
<u>4. Economics:</u>				
	(1) Staff (1P)	22,000	22,000	-
<u>5. Sociology</u>				
	(1) Staff (2 R)	32,000	32,000	-
<u>6. Psychology</u>				
	(1) Books	20,000	20,000	-
	(2) Staff(1P,1R)	38,000	38,000	-
	(3) Equipment	25,000	25,000	-
	(4) Test materials	10,000	10,000	-



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1	2	3	4	5
<u>7. History &amp; Political Science</u>				
(1) Staff (1P, 2R )		54,000	54,000	-
<u>8. Fine Arts (Music)</u>				
(A) <u>Poona</u>				
(1) Staff (1 R, 1 Tabla Accompanist)		24,000	22,000	2,000
(2) Equipment		10,000	10,000	-
(B) <u>Bombay (Proposal)(1)</u>				
(1) Books		10,000	10,000	-
(2) Staff ("2L, 2 Tabla Accompanists)		48,000	36,000	12,000
(3) Equipment		10,000	10,000	-
(C) <u>Bombay Proposal 2)</u>				
(1) Staff (2L, 1 Tabla Accompanist)		32,000	24,000	8,000
<u>9. Fine Arts (Painting)</u>				
(A) <u>Poona</u>				
(1) Staff (1R)		16,000	16,000	-
(2) Equipment		10,000	10,000	-
(B) <u>Bombay</u>				
(1) Staff (2L)		24,000	18,000	6,000
(2) Equipment		10,000	10,000	-
<u>10. Library Science</u>				
(1) Staff (1R, 1 L)		28,000	25,000	3,000

p.t.o.

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1	2	3	4	5
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11. Education (Postgraduate course for Physically handicapped children)

(1) Books	15,000	15,000	-
(2) Staff (1R, 1L, 1 Tech.)	40,000	28,000	12,000
(3) Furniture	15,000	15,000	-
(4) Tools of Assessment	10,000	10,000	-
(5) Teaching Aids A.V. Aids etc.	25,000	25,000	-
(6) Visiting Faculty	5,000	5,000	-

12. Education (Poona)

(1) Staff (1R)	16,000	16,000	-
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II. HOME SCIENCE:

1. Bombay

(1) Staff (1P, 3 R)	70,000	70,000	-
(2) Equipment	50,000	50,000	-

2. Poona

(1) Staff (2 L)	24,000	18,000	6,000
(2) Equipment	25,000	25,000	-

III. DEPARTMENT OF SCIENCE

(1) Staff (1P, 2R, 3L)	82,000	73,000	9,000
(2) Equipment	3,00,000	3,00,000	-

IV. LIBRARY

(1) Staff (2 Asst. Lib.) 2 Jr. Lib. Asstt., 1 Tech. Assistant)	60,000	30,000	30,000
(2) Furniture	36,000	18,000	18,000
(3) Audio Units	53,000	53,000	-
(4) Equipment	28,000	28,000	-

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1	2	3	4	5
(5)	Books (Details given in Appendix 'D')	3,45,000	3,45,000	-
(6)	Library Transport Scheme	56,000	56,000	-
<b>V</b>				
<b>STRENGTHENING OF GUIDANCE PROGRAMME FOR EXTERNAL (PRIVATE) STUDENTS :</b>				
(1)	Staff (1 Coordinator in Reader's grade, 2 typists, 1 peon).	36,000	26,000	10,000
(2)	Printing, Stationery & Postage	10,000	10,000	-
(3)	Equipment	20,000	20,000	-
(4)	Books	20,000	20,000	-
(5)	Miscellaneous & Contingent	15,000	15,000	-
<b>VI. <u>PLACEMENT CENTRE</u></b>				
(1)	Staff (1 Sr. Officer, 1 Jr. Officer, 1 typist, 1 Peon)	50,000	25,000	25,000
(2)	Furniture	15,000	15,000	-
(3)	Equipment	10,000	10,000	-
<b>Total</b>		<b>20,31,000</b>	<b>18,62,000</b>	<b>1,69,000</b>
<b>VIII <u>Buildings</u></b>				
	Details given in Appendix 'B'	25,50,000	13,08,000	12,42,000
<b>Grand Total</b>		<b>45,81,000</b>	<b>31,70,000</b>	<b>14,11,000</b>

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\*SLK\*

Annexure II to item No. 38

Shreemati Nathibai Damodar Thackersey  
Women's University,

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Bombay - 20

Appendix "B"

Proposals relating to Buildings

Sr. No.	Particulars	Estimated cost	U.G.C. Share
		Rs.	Rs.
1.	Vice-Chancellor's Residence	2,50,000	1,25,000
2.	Staff Quarters	14,00,000	7,00,000
3.	Canteen	2,00,000	1,33,000
4.	Establishment of University Press	4,00,000	2,00,000
5.	Guest House	3,00,000	1,50,000
Total Rs		25,50,000	13,08,000

Sd/-

Registrar  
Shreemati Nathibai Damodar Thackersey  
Women's University  
Bombay - 20.

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 26th September, 197

- Item No.39: To consider the proposal for additional non-recurring grants required by the Department of Botany, Calcutta University under the Programme of Special Assistance to Selected Departments.

.....

The Commission at its meeting held in April, 1975 vide resolution No.16 decided that proposals received from the Departments of special assistance for additional grants for the remaining period of the Fifth Plan may be examined on merit, keeping in view the progress made by them in implementing the academic programmes. In December, 1975, a request was received from Professor A.K. Shrama, Head of the Botany Department, Calcutta University for additional grant required for urgent needs of the Department. The proposal was examined and following additional grants have been agreed to be provided to the department vide orders dated 28th April, 1976:-

Non-recurring:

- |                       |             |
|-----------------------|-------------|
| 1. Space and Fittings | Rs. 1 lakh  |
| 2. Equipment          | Rs.27,000/- |
| 3. Seminar/Workshop   | Rs.10,000/- |

Recurring:

- |                     |                  |
|---------------------|------------------|
| 1. Staff            | 2 Readers        |
| 2. Working expenses | Rs.10,000/- p.a. |

Subsequently Professor A.K. Sharma has requested further additional grants of Rs.2.5 lakhs for equipment and Rs.60,000/- for books and journals to meet the immediate requirements of his department. A statement giving total grant approved under the special assistance programme during the Fifth Plan period and its utilisation is attached as Annexure-I\* and copy of the letter from Professor A.K. Sharma giving the details about the requirements is attached as Annexure-II@

The matter is placed before the Commission for consideration

EO(SR-I)

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Annexure-1 to Item No. 39

Utilization of grants as on August 26, 1977.

	<u>D.S.A.</u>		<u>V Plan</u>	
	<u>Approved</u>	<u>Utilised</u>	<u>Approved</u>	<u>Utilised</u>
1. Books & Journals	Rs.1,00,000/-	Rs.1,00,000/-	Rs.1,00,000/-	Rs.1,00,000/-
2. Equipment	Rs.4,77,000/-	Rs.4,77,000/-	Rs.2,00,000/-	Rs.1,95,515/- *

\*Supply orders have been placed for another Rs.30,000/-

...

'COPY'

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University College of Science  
Department of Botany

A.K. Sharma, D.Sc. F.N.A. F.A.Sc.  
Ghosh Professor and Head of the Department.

University of Calcutta  
35, Ballygunge Circular  
Road, Calcutta

May 26, 1977

Ref.No.Bot/

To

Professor Satish Chandra, . . . .  
Chairman,  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi-110002

Forwarded

Sd/-

Vice-Chancellor (26.5.77)

Through: The Vice-Chancellor Calcutta University  
University of Calcutta  
Calcutta.

Subject:- UGC Centre of Special Assistance Programme -  
Chromosome Research - Department of Botany - C.J..

Dear Professor Satish Chandra,

This is to bring to your kind notice that the above centre was initially sanctioned with effect from 1st April, for five years. Alongwith other staff an equipment grant of Rs.2.5 + 2.27 later (4.77 lakhs) were sanctioned in total alongwith a book grant Rs.1.00 lakh which have all been fully utilised.

Later in another circular from the Commission, it was stated that the assistance for the centre would continue till the end of the Fifth Plan i.e. 1978-79. This would no doubt take care of the recurring expenses.

But so far as non-recurring expenditure is concerned i.e. equipments and books, it will be extremely difficult as no fund is sanctioned under these two heads for the remaining two years.

May I therefore, request you to kindly sanction the

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following amount for the (Non-recurring) Special Assistance Project for 1977-78 and 1978-79 which are urgently necessary

A) Equipments:

- |   |                |
|---|----------------|
| a) Accessories for fluorometry with pen recorder and scanning stage for Leitz MPV   | Rs. 1,40,000/- |
| b) Lyophilizer  | Rs. 60,000/-   |
| c) Temperature controlling and fittings for housing Electron microscope (Corinth 500) and Ultramicrotome (Cambridge Huxley) being obtained under Colombo plan assistance. | Rs. 50,000/-   |

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Rs. 2,50,000/-

B) Books

Rs. 60,000/-

Total amount needed

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Rs. 3,10,000/-

I shall be extremely grateful if you kindly sanction this amount for the proper running of the special assistance programme. Would it be possible for you to kindly treat the matter as urgent?

With regards,

Yours sincerely

( A.K. Sharma )



CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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MEETING:

Date:

26th Sept. 1977

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Item No. --- To consider a reference from the Manipur Government regarding financial assistance to the Postgraduate Centre of Jawaharlal Nehru University at Imphal. .

...

The Commission at its meeting held on March 21, 1977 considered the question of basis and quantum of assistance that be paid to the Postgraduate Centre of Jawaharlal Nehru University at Imphal and agreed, in principle, to provide assistance on 100% basis for approved items for the Postgraduate Centres at Imphal and Agartala on the condition that the State Government concerned would give an assurance in the first instance that they would not establish a University in the State during the course of the next decade or so.

In the light of the above decision, the Ministry of Education was requested to take up this with the Government of Manipur. In reply to the Ministry of Education letter, the Chief Minister, Manipur, in his letter of August 8, 1977 addressed to the Education Minister and a copy to the Chairman, U.G.C., has indicated as below:

"I thank you and the U.G.C. very much for kindly agreeing in principle to provide assistance to the Imphal Centre on 100 per cent basis for approved items. But the condition stipulated by the U.G.C. that the State Government should give an assurance in the first instance that they would not establish a University in the State during the course of the next decade or so, does not appear to be necessary. The State Government cannot establish a University unilaterally without prior consultation with and agreement of the U.G.C. As and when the University and the State Government feel that the Centre has reached an appropriate stage of growth, they would have to come up in the normal course with a proposal to the U.G.C. for their assistance in setting up a University. At that stage the U.G.C. through appropriate review and examination can decide if the Centre is or is not ripe for the constitution of a University. They can turn down the proposal if they are not satisfied. It would, however, be unfair on the part of the U.G.C. to preclude in advance the possibility of the F.G. Centre being converted into a University before the expiry of ten years. In view, therefore, of the earnest desire of all, including the U.G.C. for the development of higher education in the sensitive border

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State of Manipur, it is hoped that you will kindly arrange to relax the condition and leave it to the University and the State Government on the one hand, and the U.G.C. on the other, to re-assess the position at an appropriate time in the future.

In the meantime, you are requested kindly to see that the necessary funds are released as agreed to by the U.G.C. for the rapid development of the University Centre and for providing the infrastructure that is required for proper implementation of the existing programmes and the programmes recommended by the Visiting Team and approved by the U.G.C."

It is for consideration if in view of what the State Government has indicated, the Commission may agree to provide 100 per cent assistance for the approved development programmes for the Postgraduate Centre at Imphal.

Confidential

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 26th September, 1977

Item No. 41 : To consider a proposal from the Magadh University for the creation of a post of Professor in the Department of Ancient Indian History & Asian Studies.

The Vice-Chancellor, Magadh University has sent a proposal requesting that one post of Professor which was with-drawn vide Commission's letter No.F. 12-6/74(D-3a) dated the 15th December, 1976 be again provided to the department of Ancient Indian and Asian Studies on the plea that for providing teaching & Research facilities for Archaeology within the department, the creation of post of Professor of Archaeology in the department of Ancient Indian History & Asian Studies is absolutely necessary.

The Commission on the recommendations of the Visiting Committee approved 2 post of Professors for the department of Ancient Indian History & Asian Studies under its Fifth Plan allocations. Subsequently on the request of the Magadh University one post of Professor out of above two was withdrawn and readjusted.

The recent letter dated 29.7.1977 of the Vice-Chancellor is attached (Annexure-I)\*

The letter of the Commission notifying the changes is attached (Annexure-II)@

The matter is placed before the Commission for consideration.

ANNEXURE I to Item No.41

Copy of letter No. VC/Res/91 dated 29.7.1977 from the Vice-Chancellor, Magadh University, Bodh Gaya addressed to Prof. Satish Chandra, Chairman, UGC

The University Grants Commission had sanctioned the post of a University Professor with specialisation in Archaeology for the Department of Ancient Indian and Asian Studies, but this had been done in the context of the recommendation of the visiting Team of U.G.C. for bifurcation of the Department of A.I. & A.S. into two Departments namely the Department of Ancient Indian History and the Department of Asian Studies. It was then considered that it might not be desirable to bifurcate that department at the present stage of its progress. Hence this post of the University Professor was utilised for re-adjustment along with other posts with the approval of U.G.C.

It had been indicated in U.G.C. D.O. letter No. F. 27-7/73(CP) dated 8.1.77 that it may be possible for U.G.C. to consider new proposals which are considered absolutely essential in the context of the improvement of standards for instruction and research in the University. The University now considers it desirable to provide facilities for teaching and research in Archaeology within the Department of Ancient Indian and Asian Studies and for this purpose it is necessary to create the post of University Professor in Archaeology.

It may be recalled that the Visiting Team of U.G.C. for this University had stated that the Archaeology Excavation-cum-Museum attached to the Department of Ancient Indian and Asian Studies needed to be strengthened in view of the nature of inter-disciplinary studies in the Department. The area under the jurisdiction of the Magadh University is eminently suitable for Archaeological Studies and investigations. This will also provide field support to the studies in Buddhism and Jainism for which U.G.C. has already sanctioned the post of a Professor in Pali and a Reader in Prakrit. Hence it is considered necessary to undertake Archaeological Studies of the important historical places under jurisdiction of the University in a systematic manner.

The University Grants Commission may kindly be moved to sanction this post at an early date in view of the all round integrated and balanced development of the Department .

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Copy of letter No.F. 12-6/74(D-3a) dated 15.12.1976 from the Deputy Secretary, U.G.C. to Registrar, Magadh University, Bodh-Gaya.

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I am directed to refer to D.O. letter No. VC.Res./91 dated the 23rd Sept. 1976 from the Vice-Chancellor Magadh University addressed to Prof. Satish Chandra, Chairman, University Grants Commission on the above subject and to convey the approval of the University Grants Commission to the proposal of the Magadh University for the creation of additional posts for the department of Geography, Urdu, Pali and Prakrit and Zoology as detailed below:-

<u>S.No.</u>	<u>Name of the Department</u>	<u>Post approved</u>
1	Geography	Readers 2 (one each in Economic, Geography and Population or Settlement Geography).
2	Pali and Prakrit	Professor 1 (Pali) Reader 1 (Prakrit)
3	Urdu	Reader 1
4	Zoology	Professor 1

The Commission will provide assistance to the University towards the salary of above mentioned posts upto 31st March, 1981 within the over-all Fifth Plan allocations and thereafter these posts will be maintained by the University/State Govt. This may please be confirmed.

The conditions governing these posts will be the same as already communicated vide this office letter No.F. 12-6/74(D-3a) dated 23.12.1975.

It has been noted that the Magadh University agrees to the withdrawal of the Commission's sanction as conveyed vide this office letter referred to above for the creation

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of the following posts in lieu thereof:-

<u>S. No.</u>	<u>Name of the Deptt.</u>	<u>Details of posts</u>	
1	Applied Economics & Commerce.	Professor	1
2	Ancient History & Asian Studies	Professor	1
3	Urdu	Professor	1
4	Zoology	Reader	1
5	Hindi	Lecturer	1
6	Chemistry	Micro-Analyst	1

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C O N F I D E N T I A L

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 26th September, 1977

Item No.43: To consider the report of the Visiting Committee for Government College, Shivpuri (MP) for the development of postgraduate education during the Vth Plan period.

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The University Grants Commission appointed a Visiting Committee for assessing the proposals and requirements of Government College, Shivpuri for the development of postgraduate education during the 5th Plan period. The Committee consisted of the following:-

1. Dr. R.K. Thakur  
Reader  
Deptt. of Physics,  
Ravi Shankar University
2. Dr. S.P. Gupta  
Reader  
Deptt. of Zoology  
Lucknow University
3. Dr. B.B.L. Saxena  
Reader  
Deptt. of Chemistry  
Allahabad University
4. Dr. Jagdish Gupta  
Reader  
Deptt. of Hindi  
Allahabad University
5. Dr. A.K. Sen Gupta  
Reader  
Deptt. of Economics,  
Delhi University
6. Shri M. Sarkar  
Education Officer  
UGC

Dr. A.K. Sen Gupta was not available as he was abroad. The Committee visited the college on 19th-20th August, 1977.

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The members went round the college visited all departments library and laboratory and consulted the Principal, Members of the staff departmental heads and research scholars in the various departments. The problems of the college in general and postgraduate departments in particular were also discussed in a joint meeting of the staff and the Visiting Committee.

This Government College, established in 1960, is permanently affiliated to Jiwaji University and managed by the Directorate of Education Government of Madhya Pradesh. Present enrolment is 1206, of whom 161 in Postgraduate classes. Faculty strength is 45 of whom 29 are permanent and 16 temporary. Except Commerce all classes are held in the new campus of the College. New Campus is located in the outskirts of the town having about 60,000 population. Total area of land is about 5 acres where the college buildings are located and the college has land for hostel construction. The newly constructed buildings are two-storeyed complex and administrative block. No hostel facilities are there in the college.

Accommodation for teaching library and laboratory facilities is not sufficient and needs further expansion. Departmentwise recommendations are made for solving these problems. Regarding faculty strength there is shortage of teachers in Zoology and Physics and in Political Science and Commerce. In Chemistry there are 8 teachers, 6 having Ph.D. qualifications. No Ph.D. scholars are in the Department of Economics, Commerce and Political Science. There is one Ph.D. in each of the departments of Hindi, Physics and Geography. The College is required to appoint teachers to bring it up to PG norms. Teachers in the Department of Physics, Zoology, Economics, Commerce, Political Science should be encouraged to do research work and to publish papers. Research facilities and activities in the PG Departments are meagre and more facilities should be provided for research work and recommendations are made hereunder to fill this gap. Enrolment in physics Department is low and there should be more than ten students in previous and final year M.Sc. classes.

In accordance with the above observations the Committee has made the following recommendations involving Rs.8 lakhs as under:-

<u>Name of Department</u>	<u>Financial recommendations</u>
1. Chemistry	Rs.1,82,000/-
2. Physics	Rs.2,00,000/-
3. Zoology	Rs.1,35,000/-
4. Hindi	Rs. 70,000/-
5. Pol.Science	Rs. 65,000/-
6. Economics	Rs. 63,000/-
7. Commerce	Rs. 85,000/-
Total	<u>Rs.8,00,000/-</u>



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77-384 The report of the Visiting Committee is enclosed  
as Annexure.\*

The matter is placed before the Commission for  
consideration.

EO(D-4b)/DS(D-4)

Report of the Vth Plan Visiting Committee  
for PG development of Govt. College,  
Shivpuri (M.P.).

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The University Grants Commission appointed a Visiting Committee for assessing the proposals and requirements of Government College, Shivpuri for the development of postgraduation during the 5th Plan period. The Committee consisted of the following:-

1. Dr. R.K. Thakur  
Reader, Deptt. of Physics  
Ravi Shankar University.
2. Dr. S.P. Gupta  
Reader Department of Zoology,  
Lucknow University.
3. Dr. B.B.L. Saxena  
Reader, Deptt. of Chemistry.  
Allahabad University.
4. Dr. Jagdish Gupta  
Reader, Deptt. of Hindi.  
Allahabad University.
5. Dr. A.K. Sen Gupta  
Reader, Deptt. of Economics.  
Delhi University.
6. Shri M. Sarkar.  
Education Officer  
UGC.

Dr. A.K. Sen Gupta was not available as he was abroad. the Committee visited the college on 19th-20th August, 1977. The members went round the college visited all departments library and laboratory and consulted the Principal, Members of the staff departmental heads and research scholars in the various departments. The problems of the college in general and postgraduate departments in particular were discussed in threadbare in a joint meeting of the staff and the Visiting Committee.

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This Government College was established in 1960 and now permanently affiliated to Jiwaji University and managed by the Directorate of Education Government of Madhya Pradesh. Present enrolment is 1206 of whom 161 in Postgraduate classes and faculty strength is 45 of whom 29 are permanent and 16 temporary. Except Commerce all classes are being held in the new campus of the College. New Campus is located in the outskirts of the town having about 60,000 population. Total area of land is about 5 acres where the college buildings are located and the college has land for hostel construction. The newly constructed buildings are two storeyed complex and having administrative block. No hostel facilities are there in the College. The new site is imposing and there is scope for further expansion and development.

Accommodation for teaching library and laboratory facilities is not sufficient and needs further expansion. Departmentwise recommendations are made for solving this problems. Regarding faculty strength there is shortage of teachers in Zoology and Physics in science faculty and in Political Science and Commerce in particular in the faculty of humanities and social sciences. In Chemistry there are 8 teachers, 6 having Ph.D. qualifications. No Ph.D. scholars are in the Department of Economics, Commerce and Political Science. There is one Ph.D. in each of the department of Hindi, Physics and Geography. The College is required to appoint teachers to bring it upto UGC norms. Teachers in the Department of Physics, Zoology, Economics, Commerce, Political Science should be encouraged to do research work and to publish papers. Research facilities and activities in the P.G. Departments are meagre and more facilities should be provided for conducting research work and recommendations are made here under to fulfil this gap. Enrolment in Physics Department is low. There should be more than ten students both in previous and final year M.Sc. classes.

Considering the existing facilities and short-comings in the Departments as observed above the following recommendations are made for the balanced development of postgraduate education in the college. The recommendations are also aimed at fulfilling the norms set up by UGC for running PG departments.

Department of Chemistry: started in 1965 ;

Enrolment 28 Faculty Strength 8 (6 Ph.D.) research activities meagre 3 research scholars are working in the Department. Result during the last 3 years is cent percent.

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For the development of balanced PG and research activities programmes the following steps may be taken so that the academic standard of the institution may improve.

1. Visiting Faculty for a period of 2-3 weeks may be invited to deliver lectures in the specialised fields to get the students a wider exposure and latest development in particular area of the subject.

II. Faculty Members of the college are requested to attend the Centres of Advanced Study to thrush up and enhance the knowledge of the subject.

The following recommendations are made:- . . .

a)	Construction of departmental laboratory and library-cum-Reading room cost involved	Rs. 50,000/-
b)	Books and Journals	Rs. 40,000/-
c)	Scientific Equipments (A list of Equipments are attached as Annexure-I)	Rs. 40,000/-
d)	Faculty Improvement:	
	i) Appointment of one additional Lecturer	Rs. 10,000/-
	ii) Visiting Professor for 2-3 weeks	Rs. 2,000/-
e)	Research equipment and development programmes.	Rs. 40,000/-
	Total	Rs. 1,82,000/-

Department of Physics: started in 1965

Enrolment 3+1 = 4 Faculty strength 5 (one Ph.D.) Research Activities meagre. Number of research scholars 2. Result is very good.

Enrolment is very low and should improve to ideal number of 20.

At present there are no facilities for research work in the department. Two teachers are working in the field of Luminescence but they have to go to other laboratories for

PTO

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carrying out their work. The Library is not equipped with advanced books of research standard nor does it subscribe to useful journals. Teachers should be encouraged to attend summer institutes. They should start research activities and submit a separate research proposal to the U.G.C. Non Ph.D. teachers should avail of the teachers fellowships scheme. Department should invite visiting professors to get them exposed to the frontiers of Physics.

Workshop is desperately needed. A Physics department can hardly be viable without a workshop. Therefore, sanction for workshop ought to be accorded in view of the fact that M.Sc. students must get workshop practice which is a basic requirement, expected from M.Sc. students in most of the universities of India.

In view of the above observations the following recommendations are made:-

a) Construction of Laboratory and departmental library-cum-reading room cost involved	Rs. 40,000/-
b) Books and journals	Rs. 40,000/-
c) Scientific Equipment	Rs. 40,000/-
d) Research laboratory	Rs. 28,000/-
e) Research Equipment for workshop	Rs. 40,000/-
f) Faculty Improvement:	
a) Appointment of 1 additional Lecturer	Rs. 10,000/-
b) 1 Visiting Professor for 2-3 weeks	Rs. 2,000/-
Total	<hr/> Rs. 2,00,000/- <hr/>

Department of Zoology: started in 1973

Enrolment 10+10 = 20 faculty strength 3 (1 Ph.D.)

Research activities meagre. Number of research scholars one. Result cen percent.

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One more special branch should be introduced preferably in Parasitology. Construction of one frogery and animal house is needed.

The following recommendations are made:-

a)	Construction of rooms for departmental laboratory and a departmental library-cum-reading room.	Rs. 40,000/-
b)	Books and Journals	Rs. 30,000/-
c)	Scientific Equipment	Rs. 30,000/-
d)	Construction of frogery and animal house	Rs. 10,000/-
e)	Collection of skulls	Rs. 10,000/-
f)	<u>Faculty Improvement:</u>	
	a) appointment of one additional lecturer	Rs. 10,000/-
	b) Visiting Professor	Rs. 5,000/-
	Total	Rs. 1,35,000/-

Department of Hindi: started in 1964

Enrolment 11+4 = 15 faculty strength 4 (one Ph.D.) Research activities meagre as there are no facilities. 5 Research scholars working in the department. Result is very good. The present condition of teaching and research in the department of Hindi is unsatisfactory and therefore expansion of the department in various direction is strongly recommended. If the due grant is given and properly utilised the teaching and research in the department will improve. The following recommendations are made:-

a)	Construction of rooms for departmental library and reading room	Rs. 25,000/-
b)	Books and Journals	Rs. 25,000/-
c)	<u>Faculty improvement:</u>	
	i) appointment of one additional Lecturer	Rs. 10,000/-

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ii) Seminars, summer institutes or workshops	Rs. 5,000/-
iii) Visiting Professor for 2-3 weeks	Rs. 2,000/-
iv) Research oriented work	Rs. 3,000/-
Total	Rs. 70,000/-

Department of Political Science: started in 1970

Enrolment 21 ; Faculty strength 3 (no Ph.D.) research activities nil. Result is good. The following recommendations are made:-

a) Construction of Departmental library-cum-reading room and teaching accommodation	Rs. 25,000/-
b) Books and journals; Maps and Charts etc.	Rs. 20,000/-
c) Faculty Improvement:	
i) Appointment of one additional lecturer	Rs. 10,000/-
ii) Summer institutes Visiting Professor	Rs. 10,000/-
Total	Rs. 65,000/-

Department of Economics: started in 1964

Enrolment 35; Faculty strength 4 (1 Ph.D.)

3 teachers doing research work. There are two research scholars in the departments. There is acute shortage of accommodation no nucleus of P.G. Education in Economics is found. The following recommendations have been made:-

a) Construction of Departmental Library-cum-Reading room	Rs. 25,000/-
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b)	Books and Journals	Rs. 20,000/-
c)	Faculty Improvement:	
	i) Appointment of one additional lecturer	Rs. 10,000/-
	ii) Visiting Professors for 2-3 weeks	Rs. 2,000/-
	iii) Survey of local economic problems	Rs. 6,000/-
		<hr/>
	Total	Rs. 63,000/-
		<hr/>

Department of Commerce: started in 1972

Enrolment 22+16 = 38 ; Faculty strength 5 (no Ph.D.) Head of the Department published few papers. Result 90% during the last 3 years. Research facilities and activities are meagre. 3 Research Scholars working in the Department.

The following recommendations have been made:-

a)	Construction of Departmental Library-cum-reading room	Rs. 25,000/-
b)	Books and Journals; Maps and Charts	Rs. 20,000/-
c)	Equipment for Commerce Museum	Rs. 20,000/-
d)	<u>Faculty Improvement:</u>	
	i) Appointment of one additional Lecturer	Rs. 10,000/-
	ii) Holding of extension lectures. Symposia/arrangement of Visiting Professors.	Rs. 10,000/-
		<hr/>
	Total	Rs. 85,000/-
		<hr/>

The Committee puts on record its deep sense of gratitude to the Principal and Members of the staff for the fullest cooperation extended to the members in assessing the requirements of the college for the development of post-graduate education during the 5th Plan period.

Sd/-  
25.8.1977



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Summary of the recommendations of the Visiting Committee appointed by the UGC for assessing the proposals of Government P.G. College, Shivpuri, Distt. Shivpuri, M.P. for development of Postgraduate education during the Vth Plan period:-

Item-wise recommendations

Name of Department	Building	Faculty Improvement	Books & Journals	Equipment	Miscellaneous
1. Chemistry	50,000	10,000/- 2,000/- 1 Lecturer 1 Visiting Prof. for 2 weeks	40,000/-	40,000/- 40,000/-	=1,82,000
2. Physics	40,000	10,000/- 2,000/- 1 Lecturer 1 Visiting Prof. for 2 weeks	40,000	1,08,000/-	=2,00,000
3. Zoology	40,000 10,000/- Construction of frogery & animal house	10,000/- 5,000/- 1 Lecturer Visiting Prof.	30,000/-	30,000/-	+ 10,000/- Collection of skulls =1.35,000
4. Hindi	25,000/-	10,000/- 5,000/- 2,000/- 3,000/- 1 Lecturer Seminars Visiting Prof. Res. Oriented work	25,000/-		= 70,000
5. Pol. Science	25,000/-	10,000/- 10,000/- 1 Lecturer Summer Institutes	20,000/-		= 65,000
6. Economics	25,000/-	10,000/- 2,000/- 6,000/- 1 Lecturer Visiting Prof. Survey of Local Problems.	20,000/-		= 63,000
7. Commerce	25,000/-	10,000/- 10,000/- 1 Lecturer Extension Lectures/Symposia	20,000/-	20,000/-	= 85,000
<u>2,40,000</u>		<u>1,17,000/-</u>		<u>1,95,000/-</u>	<u>2,48,000/-</u>
				Grand Total	<u>Rs 8,00,000</u>

Sd/-  
26.8.77

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 26th September, 1977

- Item No.46: To consider the recommendations of Standing Committee for the College Science Improvement Programme (COSIP) made at its meetings held on 8-9, September, 1977.

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A meeting of the Standing Committee for the College Science Improvement Programme was held on 8 and 9th September, 1977. The Committee considered (a) the recommendations of the 4 regional COSIP Conferences held during June-July 1977 (b) the recommendations of the meeting of Co-ordinators of University Leadership Projects in Physics, Chemistry and Biological Sciences, (c) reviewed the progress of implementation of the COSIP- ULPs and selected colleges programmes and (d) has made several suggestions/recommendations regarding future directions for effective implementation of the programme.

A copy of the proceedings of the meetings is enclosed Annexure \*

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The recommendations are placed before the Commission for consideration.

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Annexure to Memo No 46

Proceedings of the meeting of the Standing  
Committee for College Science Improvement  
Programme held on 8th & 9th September 1977

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A meeting of the Standing Committee for the College Science Improvement Programme was held in the Office of the University Grants Commission on 8th & 9th September 1977. The following were present:

1. Professor B. Ramachandra Rao,  
Vice-Chairman, UGC
2. Professor B.M. Udgaonkar,  
Tata Institute of Fundamental Research,  
Bombay.
3. Professor S. Krishnaswamy,  
Head of the Division of  
Biological Sciences,  
Madurai University.
4. Professor B. Saraf,  
Department of Physics,  
Rajasthan University.
5. Professor M.J. Swami,  
Head of the Department of Chemistry,  
Bangalore University.
6. Fr. L. Perica,  
Principal,  
St. Xavier's College,  
Bombay.
7. Professor I.K. Singal,  
Head of the Department of Mathematics,  
Meerut University.
8. Dr. (Mrs. Bithika Bose,  
Assistant Professor,  
Lady Braburne College,  
Suhraward Avenue,  
Calcutta.
9. Professor Tirugnanasambandham,  
Presidency College,  
Madras.
10. Dr. D. Shankar Narayan,  
Additional Secretary,  
UGC.

Shri R.K. Chhabra, Dr. J.N. Kaul and Shri A.G. Deshmukh of the UGC attended the meeting. Professor R.P. Bambah could not attend the meeting.

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The Vice-Chairman welcomed the members to the meeting and, in particular, the two new members, viz., Dr. (Mrs.) Bose and Dr. P. Thirugnanasambandham. He briefly referred to the activities initiated since the last meeting of the Committee held in October 1976. He gave some details with regard to the regional conferences held during the past few months with a view to reviewing of the implementation of the programme in different regions of the country and participation in these conferences by institutions which are likely to participate in the COSIP in the near future. He mentioned that the regional conferences had made some very detailed and important recommendations with regard to the activities as well as continuous review and also further expansion of the programme. The general impression gained in the regional conferences was that the College Science Improvement Programme, over the past five to six years, has made a substantial impact on undergraduate science instruction and had brought about a certain awareness towards desirable changes in the curricula, courses of study, methods of instruction, initiating student-teacher research activities and above all in bringing together the university and colleges department in a common endeavour towards improvement of quality of science education in the colleges. The regional conferences and the participation by the colleges and the ULP Coordinators had also brought about an awareness of the variety of efforts made by them in different facets of curriculum developments as well as the materials developed by different participating institutions. Some of the ULPs as well as colleges had done outstanding work in the matter of developing new equipment, new teaching and reading materials and some of which had attracted both national and international attention. He pointed out that in respect of several important recommendations made by the regional conferences and the meetings of the ULPs Coordinators, specific items had been included in the Agenda to be considered by the Committee.

The Member-Secretary, Dr. D. Shankar Narayan, gave a brief account of the deliberations of the Convention of Heads of Departments of Geology of colleges and universities in the universities in the Southern and Western Regions organised by the University of Mysore in August 1977. He pointed out that the recommendations of the Standing Committee regarding taking up of a ULP type of programme in Geology on an inter-university basis had been subsequently considered by the Panel in Earth Sciences, which desired that, keeping in view the number of colleges engaged in teaching geology at the undergraduate level, it may be adequate if two universities, viz., University of Mysore and Jadavpur University are requested to take up the COSIP ULP programmes in Geology on an inter-regional and inter-university basis. The nature of programmes and the activities to be initiated could be discussed and proposals formulated after holding a meeting of the heads of departments concerned. The Mysore Conference, which was also attended and addressed by the Director-General, Geological Survey of India, had identified the nature of programmes to be undertaken by cooperation of participating institutions. A similar Convention of Geology teachers from universities and colleges in the Eastern and Northern Regions was to be organised by the Jadavpur University some time in November-December, 1977. Specific proposals giving details of the types of activities to be initiated and financial requirements would be sent by the two universities concerned for consideration by the Commission.

The Committee then took up consideration of the items on the Agenda:

Item No. 1 : To receive a note regarding action taken on the minutes of the last meeting of the Standing Committee held on 4th October 1976.

The Committee noted that necessary action had been initiated on the recommendations made by the Committee at its last meeting held on 4th October 1976. The Committee

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expressed concern that the number of colleges and the ULPs newly added into the programme was not adequate and as such the pace of implementation of the programme required to be speeded up particularly in the regions like Eastern Region where number of institutions participating was too small. In view of the fast expanding nature of activities in the programme, the Commission may provide necessary administrative support to the divisions concerned so that delays in implementation may not occur. The Committee noted with concern that three of its recommendations had not been accepted so far by the Commission and the matter had been referred back to the Committee itself for further consideration. The Committee felt that in a quality improvement programme, such as the COSIP, involving undergraduate colleges, dissemination of information relating to the nature of activities initiated and to results achieved by the participating colleges was of utmost importance if the programme itself should have a multiplier effect and provide the essential stimulus towards change in the colleges system and to involve in largest measure institutions which had necessary potential to take up programmes of improving science instruction at the undergraduate level. Dissemination of information through newsletters at regional as well as national level was also important to make the colleges and the university system as a whole aware of the new materials developed and their availability for use. The regional conferences also had emphasised the need for having such newsletters for purposes of communication and also for meaningful interaction between participating institutions and also between COSIP and non-COSIP institutions. The Committee also expressed concern that if the advantages gained through the COSIP so far were not fully consolidated and put to advantage, there was real danger that the impact may be reduced and the desire of the Commission to build up a sizeable quality sector capable of sustained effort may not be achieved. The Committee therefore suggested that the Commission may take appropriate measures to safeguard against such a situation.

Item No. 2 : To consider the recommendations of the Regional Conferences held under College Science Improvement Programme during 1977.

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The Committee noted with satisfaction that the Commission with the cooperation of the universities and the colleges had successfully organised the four regional conferences and that the recommendations of these conferences were of value in increasing the beneficial results of the programme. While generally accepting the recommendations made by the various regional conferences, the Committee, in particular, made the following recommendations:

- (a) The Committee agreed that both university departments and the colleges which had successfully implemented the activities in the initial phase as well as follow-up phase should be enabled to maintain continuous contact and interest in the COSIP and for this purpose some continued assistance should be made available to these institutions. These institutions could serve as focal points to stimulate other institutions and help in formulation of proposals by other colleges and help in their proper implementation as well. At the same time, these institutions may also be required to take up some selected activities to sustain their educational development efforts on a continuous basis. The individual colleges could be given necessary support for such activities on a 100% basis under the existing provision for "innovative programmes" under the general Rupees five lakhs scheme of assistance to the colleges. Any specific proposals which may not fit within that framework could be considered on merit by the Commission and specific activity oriented assistance be given

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to both universities (ULP) and colleges. Simultaneously it would be desirable to take up with the State Governments concerned the matter of their evolving suitable methods for including a differential component in their grant-in-aid codes to recognise the good work done by the colleges under the COSIP. In the case of university departments, it would be desirable to assist the departments concerned to absorb the additional staff positions created under COSIP on a permanent basis and for this purpose the expenditure on such posts could be made a first charge on the subsequent plan period allocations to the University.

- (b) The Committee welcomed the suggestion for constitution of statewide advisory committees to continuously coordinate and monitor the activities of university departments and colleges participating in the COSIP. Such advisory committees may be constituted for a group of colleges, say, 20 to 25 colleges within each State so that they could over-view and coordinate the activities. Necessary guidelines and terms of reference may be made available to the advisory committees for this purpose as well as for bringing about interaction amongst the colleges located within a city and for beneficial contacts between the COSIP and non-COSIP colleges. The guidelines developed for this purpose by a Sub-Committee consisting of Professor M. S. Swami and Professor Thirugnanambandham and approved by the Committee are given in the Annexure.
- (c) The Committee, as already stated above, emphasised the need for publication of subjectwise COSIP news bulletin regularly



to disseminate information on new developments and innovations made in each subject in the various university departments (ULP) and participating colleges. The Committee suggested a grant of Rs. 25,000/- p.a. to be given to the institutions which would be requested to undertake publications of such newsletters on a quarterly basis. While most of the expenditure would be for printing about 2,000 copies of each newsletters, the department/college concerned may utilise upto Rs. 5,000/- of this grant for operational expenses including . . . . . appointment of persons required for collection of information, organisation and presentation of materials required for producing such newsletters. The Committee felt that the following four departments could be requested to undertake publication of COSIP news bulletin in the subjects concerned:

- (1) Physics - Department of Physics, Mysore University.
- (2) Chemistry- Department of Chemistry, Poona University or Panjab University.
- (3) Biological Sciences - St. Xavier's College, Bombay.
- (4) Mathematics- Meerut University.

It should be expected that every participating institution would contribute articles/information to be included in the newsletters and this could be used as one of the criteria for judging the progress.

- (d) The Committee could not accept the suggestion, that some of the college departments which may have excelled in COSIP activities could be declared autonomous as it may be difficult to do so in the present nature of undergraduate instructional programmes. The effort should be towards giving autonomous status to the college

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as a whole.

- (e) The recommendations of the regional conferences that every effort should be made to reduce formal lectures and introduce more tutorials and seminars may be referred to the college development committee. The Committee was of the view that for purposes of workload of college teachers, all teaching activities including seminars, group discussions should be taken into account instead of merely the number of lectures and practicals as at present.
- (f) The Committee agreed with the view that it would be helpful to the colleges in the matter of developing their workshop facilities if a basic list of workshop equipment giving brief descriptions of the functional aspects of the various machines and their maintenance is also made available. Further, some colleges participating in the COSIP could acquire demonstration equipment, teaching aids, films etc., developed under the College Science Improvement Programme as well as other similar materials developed elsewhere and set up museums which would not only display such materials but give demonstration lectures and also have arrangements for lending such material to the colleges in the neighbourhood. Such functional museums along with the college workshop appropriately set up should provide opportunities for creative work to the students and teachers in the college of the area. The College Science Improvement Programme may provide adequate funds to enable such colleges to obtain such materials in adequate numbers.

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colleges in producing as  
teaching materials such  
as

(g) The Committee noted with appreciation the efforts of several ULP departments as well as equipment, demonstration and teaching aids, books, manuals etc., and decided that the Commission may encourage a few selected departments to undertake both production of these materials in sufficient numbers so that not only the participating COSIP Colleges but all colleges engaged in undergraduate instruction could obtain and put them to use in their science instruction programmes. The Commission could consider if the amounts spent on such projects of COSIP-developed materials should be treated on 100% contribution basis out of the grants made to the colleges by the Commission under the normal College Development Schemes.

(h) In view of the educational value and impact likely to the Colleges, the Committee recommended that the Commission may add a new scheme for providing assistance on 100% basis, to affiliated colleges, to purchase and put to use the materials developed and produced under the COSIP by the participating ULPs and Colleges. A list of such materials viz., laboratory and demonstration equipment, teaching aids, textbooks, laboratory manuals etc., which could be made available to colleges, may be prepared, indicating the source of supply and cost etc. The colleges which desire to purchase such materials may be given a grant, say, upto Rs. 20,000 in a year or Rs. 50,000 in a five-year period on 100% basis. This may be in addition to grants available under other schemes of assistance to colleges.

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- (i) The Committee stressed upon the needs of availability of appropriate staff, particularly the Coordinators, for implementing the COSIP activities and, therefore, felt that participating staff in the colleges, particularly the government colleges, should not be transferred unless it was for purpose of promotion or for disciplinary action. Similarly, staff who have contributed in large measure to successful implementation of COSIP activities should be given suitable incentives. In fact, in order to encourage involvement of bright young teachers and students in the development of new methods of teaching; evaluation and new equipment and teaching aids, the scope of the Ph.D. degree should be enlarged to include work involving high quality intellectual effort and creativity in these areas. Universities may be requested to change their Ph.D. regulations appropriately so as to make this possible. The degree may be taken either in the Education Faculty or in the Science Faculty, depending on the nature of the thesis programme and the earlier degree of the candidate (M.Ed. or M.Sc. as the case may be). Joint thesis advisers may also be encouraged wherever the nature of thesis work so demands.
- (j) The suggestion to produce suitable designs for laboratories and multi-functional lecture rooms fitted with experimental demonstration and facilities for use of audio-visual-aid should be pursued further so that colleges could undertake construction of such buildings on suggested patterns while utilising UGC's grants. If necessary, an all-India

workshop or conference may be held for discussing and finalising the designs for laboratories and multi-functional lecture rooms. The material already available in this regard may be collected and a note prepared for the purpose for consideration by the Standing Committee at the next meeting.

- (k) The Committee noted that while the COSIP activities have become well established for the last 5-6 years, the Commission has not brought out so far any printed booklet clearly outlining the objectives, purposes and activities as well as anticipated results to enable new colleges to formulate suitable proposals. It would be, therefore, desirable to bring out a revised printed booklet as early as possible.
- (1) The Committee agreed with the view that on the experience gained so far it would be appropriate to add under the College Science Improvement Programme new projects for implementation of these activities. Some of these could be in the pattern as indicated below:
- (i) Coordinated Science Faculty - ULP: In situations, such as NEHU, Shillong where the number of science teaching colleges are very few, it may be possible for the entire science faculty of the university to undertake a coordinated programme for improvement of undergraduate science instruction instead of a single subject ULP appropriate to universities having large number of colleges teaching science.
- (ii) Inter-university ULP or Associate-ULP activities: In situations where there may not be university departments which could undertake an independent ULP activity in the subject concerned, it may be appropriate to link such a university

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department with a ULP department in the subject in a neighbourhood university so that the combined efforts of such joint inter-university ULP could benefit the affiliated colleges of such universities to upgrade their science instructional programmes. Such an effort has already been initiated in the case of Mathematics-ULP covering universities of Panjab, Punjabi and Gurunanak Dev under the Mathematics-ULP taken up by Panjab University.

(iii) A College Leadership Programme: In situations where the university departments are not in a position to take up a ULP type of activity, it may be desirable to request one of the well-developed colleges which would have successfully implemented a college COSIP Program to provide necessary leadership and guidance to undertake some activities for benefit of other affiliated colleges in its vicinity.

The Committee desired that suitable proposals in this regard could be invited if the above suggestions are accepted by the Commission.

Item No. 3: To consider the recommendations made at the meetings of the Coordinators of University Leadership Project held during 1977.

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The Committee noted the suggestions made at the meeting of ULP coordinators in Physics, Biological Sciences and Chemistry held alongwith the Regional Conferences at Mysore Ahmednagar and Shillong. The Committee desired that the meeting of the Mathematics ULP Coordinators may also be held soon. The Committee desired that the various suggestions made by the ULP Coordinators may be given due consideration and necessary action taken. The Committee particularly desired that the universities may be requested to place at the disposal of the ULP Coordinators adequate sums out of the

COSIP grants to enable them to obtain materials required and for speedy implementation of the COSIP activities.

(ii) It would be desirable that each ULP department constitutes an advisory committee consisting of participating staff members of the department and two or three representatives from the participating colleges also.

(iii) Every ULP department should be provided with funds to obtain the materials developed by the other ULPs in the subject concerned so that the participating college teachers would become aware of the materials developed in the country as a whole. The colleges should also be enabled to acquire such materials for their use under the normal Rs. 5 lakhs scheme on a 100% basis or under the new scheme suggested earlier.

(iv) The individual ULP may concentrate their efforts in a few chosen developmental activities, besides teacher improvement and curricular reforms etc., so that they can bring them to successful completion within the specified period and establish a level of competence for developmental work.

(v) The Committee expressed its concern that the booklet containing information about the activities undertaken, materials developed and other information relating to curriculum development in Physics and Chemistry which had been compiled and considered by the Committee of Coordinators had not so far been published. Steps may be taken to publish this materials as early as possible. Similarly, the proceedings of the Regional Conferences and the recommendations made therein may be suitably classified indicating the organisation which should implement them and these proceedings may also be published without further delay. It is suggested that COSIP ULP Coordinators in each subject may meet once every year to assess the progress, to coordinate the programmes and to finalise a status report of activities which may be published as a special bulletin by UGC.

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(vi) The concern expressed by the Coordinators of ULPs in Biological Sciences with regard to declining number of students should be taken note of. The COSIP ULPs as well as the colleges should be enabled to introduce not only integrated undergraduate courses in Biology but also include in the curricula, subjects such as micro-biology, Human Biology, plant protection and other similar subjects having an application aspect of biological sciences. It would be desirable to prepare suitable text materials for Unit Courses in these subjects which the colleges and universities could incorporate in their curriculum and courses of study. With the availability of such course materials, a few orientation courses should also be organised to prepare college teachers to teach such subjects. This could be further considered and details worked out by the Panel in Biological Sciences.

(vii) It was noted that a large amount of useful material for teaching, for students laboratory work and for demonstration of scientific processes has been developed by various ULPs. The Committee is of opinion that steps should be taken to encourage the use of this material in as many institutions as is possible. With this objective, it is proposed that suitable facilities may be provided for its multiple fabrication, distribution and use.

Support for fabrication:

The projects which have developed the material may be asked to submit proposals for this purpose. The following may be considered as guidelines.

1. An approximate cost estimate for individual unit may be prepared.
2. The Commission may provide advance money sufficient for fabrication of 20 to 200 units.
3. Additional financial support for technical improvement, research and development may be provided by the UGC. This will not be charged on cost of the equipment.



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- 4. A small supporting staff (say not more than 3) for correspondence, accounts, store-keeping etc., which is generally called as overhead charges may also be provided by the UGC.

Support to obtain equipment

It is to be noted that there are three class of institutions: (i) COSIP, (ii) General Development and (iii) Not on UGC support list. It is proposed that COSIP institutions may be advised to use their funds for obtaining ULP material. They may spend upto Rs. 50,000 for this purpose. The institution with Rs. 5 lakh grants may be provided funds for this purpose on 100% basis.

The third category of institutions may be associated to obtain the material by making only 50% payment with an overall limit of support to a maximum of Rs. 25,000.

The Committee is of opinion that such a assistance programme will help in assessing the utility of material which has been developed from UGC support.

Some selected ULP centres may be assisted to build a collection of educational films and other visual materials and enable colleges in the vicinity, not only COSIP but also non-COSIP colleges, to borrow them for their classroom use. The expenditure involved could be provided for in the COSIP ULP grants.

If a university department with small number of colleges desires to associate itself in the ULP type of activity with a major ULP within the State, the Commission may provide minimal assistance required for this purpose. The initiative for starting such associated ULP activities should however come from the universities themselves and can then considered by the Commission.

Item No. 4: To receive a note on the establishment of University Leadership Projects for the improvement of Science instruction at post-graduate level in the affiliated colleges.

The Committee discussed this briefly and felt that a detailed consideration of the suggestions made in the note by Professor B.L. Saraf and other aspects could be considered at the next meeting of the Standing Committee.

(4/01)

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Item No. 5: To consider the criteria followed for purpose of identifying colleges to be invited to participate in the College Science Improvement Programme.

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The Committee noted the criteria and procedures followed so far by the Commission for purposes of identifying colleges to be invited to participate in the College Science Improvement Programme. The Committee also took note of the procedures followed in the College Humanities and Social Sciences Improvement Programme for this purpose. The Committee felt that in addition to the criteria already established, it may be possible to give credit to the total profile of the colleges which include the components, (1) students, (2) teachers, (3) facilities, (4) academic activities and results obtained and (5) finally the nature of proposals. Adequate information may be obtained with regard to each of these five components while inviting proposals from the colleges. The information could then be quantified and graded to provide equal weightage (20% each) for each of the five components. A five point grading system could be designed within each component and all institutions which would rate 60% or above in the overall evaluation may be brought to participate in the programme, on a continuous basis. Institutions whose grading would be between 50% and 60% could be suitably assisted to develop their facilities through normal developmental programmes so that they could be enabled to participate, in the immediate future, in quality improvement programmes like COSIP and COHSSIP. An illustrative list of criteria is given in Appendix. I. The proposal form may be suitably modified to include these criteria in an appropriate manner (Appendix). II.

Item No. 6: To consider the question of inviting more university departments to take up University Leadership Projects under College Science Improvement Programme.

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The Committee felt that the criteria so far followed for inviting university departments to take up

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University Leadership Projects had proved adequate. These criteria, in addition to the suggestions made earlier with regard to initiating inter-university ULPs and composite faculty ULP and College Leadership Project (CLP) should help in establishing suitable ULP type of activities in different regions in the country. The Committee hoped that as a result of the deliberations of the Eastern Regional Conference at Shillong, it would be possible for more universities in the Eastern Region to take up ULP activities. The Committee desired that the proposals on hand should be considered without delay, and wherever necessary, visits may be undertaken for discussions and generation of appropriate proposals for activities to be taken up. Proposals from other regions may be considered and keeping in view the possibility of these ULPs being in the nature of associate ULP activities.

Item No. 7: To consider the question of awarding academic year fellowships to teachers from colleges under College Science Improvement Programme.

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The Committee noted that the Commission had initiated a major programme in Faculty Improvement which would provide adequate opportunities for college teachers to improve their qualifications as well as their subject matter competence to function as teachers. In view of this, it may not be necessary for the ULPs to include in their proposals provision for teacher fellowships to enable participating college teachers to work for any degree. On the other hand, provision could be made for providing short term or long term fellowships to teachers who have potential and are capable of contributing effectively to the various COSIP-ULP activities undertaken e.g. assist in development of equipment, demonstration materials, writing of textbooks etc. The financial benefits to be given to such teachers should be as follows:

- (i) for teachers who are invited for periods upto 6 weeks, necessary T.A./D.A. may be paid as per rules subject to the D.A. not exceeding Rs. 250 p.m.

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- (ii) in the case of teachers who are invited for periods exceeding 6 weeks and upto one academic year the provisions available for teacher fellowships under the Faculty Improvement Programme may be made applicable

Any other item:

(a) The table of contents of the proposed publication giving a five-year review of the results achieved under COSIP and including the status report in each subject and recommendations of the regional conferences, was also discussed. The Committee suggested that depending on the volume of information to be included either a composite publication or separate publications may be brought out as convenient but at an early date. The table of contents suggested is given in Appendix.

(b) The Committee discussed briefly the question relating to payment of honorarium to teaching staff involved in the COSIP ULP activities. It was noted that the Commission had allowed a choice to the institutions concerned either to appoint additional staff required to release sufficient time for the entire staff of the department to devote to COSIP activities or the existing staff would undertake this in addition to their normal duties and are paid a small honorarium generally about Rs. 10,000 per annum for the entire ULP department. It was felt that giving honorarium to the existing staff may not be desirable as this may imply that the ULP activities are not integrated with the rest of the activities of the department and there was a danger that these activities may come to an end when COSIP funds including honorarium was no more available. The department may thus lose interest in continuing such activities. On the other hand, it would be desirable to appoint some additional staff and the staff so recruited have contributed in large measure to the success of the COSIP ULP activities could be absorbed on a permanent basis, making it a first charge on the next plan allocations to the university concerned, <sup>provided</sup> the addition of new staff would help in sharing of the departmental workload and release some time of every staff member to

(1904)

: 15 .

engage in COSIP activities. The Committee desired that this may be considered and a uniform procedure may be followed in all the ULP departments.

Annexure 15

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COSIP: STATE-wise Advisory Committees:

1. A state-wise advisory committee may be constituted, for purposes of continuous review and monitoring of the activities of participating COSIP-ULP and colleges and to promote mutual interaction, consultation and co-operation and also between COSIP and non-COSIP institutions in each State.
2. The advisory committee would include as its members (i) all ULP Co-ordinators within the State and (ii) four COSIP college co-ordinators to include one in each of the subject areas of physics, chemistry, Mathematics and Biological Sciences. The members and the Chairman shall be nominated by the University Grants Commission and the term of the Committee will be for two years.
3. The advisory committee will function towards achieving the following:
  - (i) to ensure co-ordination and effective implementation of programmes and activities initiated by ULPs and COSIP colleges, within the specified period, and keeping in view the objectives of the COSIP as laid down by UGC.
  - (ii) to bring about beneficial interactions among the COSIP participating institutions in the State.
  - (iii) to encourage and develop worthwhile contacts and interactions between COSIP and non-COSIP colleges in the State.
  - (iv) to spread the message and Philosophy of COSIP and enable all potential colleges to participate in the COSIP.
  - (v) to help colleges to develop along desirable academic directions and change for better and thus prepare to obtain autonomous states and respond to emerging needs of academic reorientation and national development.
  - (vi) promote programmes to link academic activities with needs of the local community.
  - (vii) evaluation of COSIP activities and results achieved with reference to:
    - (a) Types of activities undertaken departmentally or inter-departmental co-operation basis and extent of funds utilised for different purposes.

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- (b) The impact of COSIP activities with regard to improvement of  
(i) staff (ii) Laboratory and workshop (iii) library (iv) curriculum  
development (v) new teaching methods (vi) evaluation and  
examination reforms (vii) development of Question Banks  
(viii) student teacher projects (ix) student performance and  
(x) any other activities.

The advisory Committee, may obtain for this purpose, annual reports from colleges and may also arrange visits by sub-committees, so that each participating college is visited atleast once each year.

4. Funds to meet expenditure involved in this regard may be made available to the Chairman of the Committee through his own ULP grants.

-----

Criteria for selection of COSIP Colleges

1. Minimum student strength in science.
2. Teacher student Ration in science subjects.
3. Percentage of passes and Ist classes during last five years. Value added.
4. Quality of teachers as judged by their qualifications.  
How many obtained higher degree while working as teachers.
5. Availability of teachers who participated in summer institutes, symposia, workshops etc., with particulars.
6. Interest of the teachers as judged by their writing of books or any other innovative programme/published articles/writing of books/research work.
7. Availability of adequate laboratory space.
8. Availability of lecture room for science classes with provision for darkening for display of slides, filmsetc., and a demonstration table with power points, gas and water.
9. Availability of a workshop with adequate machines, tools and mechanics.
10. Desire to strive towards autonomy.
11. Quality of the proposal made.
12. Has the college used General Plan Development grants and for what purposes.
13. Has the college sent teachers under Faculty Improvement Programme?
14. Is there internal assessment/continuous evaluation of students throughout academic year?



UNIVERSITY GRANTS COMMISSION

Appendix - II

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COLLEGE SCIENCE IMPROVEMENT PROGRAMME

(COSIP)

Selected Colleges Projects

Institutional Information and Proposal form

1. Name of the college and address:
  
2. (i) University to which it is affiliated. \_\_\_\_\_  
(ii) Date of affiliation for degree classes: \_\_\_\_\_  
(iii) Nature of affiliation: Permanent/Temporary/Provisional
  
3. Name of the proposed COSIP Project  
Co-ordinator, his academic qualifications,  
teaching and research experience,  
participation in refresher courses/  
summer Institutes etc.
  
4. Degree (undergraduate and postgraduate  
courses offered by the college)
  
5. When was B.Sc. programme started  
in the college.
  
6. Give names of other colleges located  
in the city and Teaching B.Sc. classes.

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(1) Students.

1. Number of students admitted to I B.Sc./B.Sc.(Hons) class in past 3 years. Give total and separately for each group of subject-combinations.
  
2. Type of students admitted:  
(for 3 years) Number with I Division in the Qualifying Examination.  
Number with II Division in the Qualifying Examination. . .  
Others.
  
3. How many belong to Scheduled Caste/  
Scheduled Tribes:
  
4. Examination results: for past 3 years in University Examination for final year B.Sc.  
  
Number appeared  
  
Number passed  
  
Number in I Division  
  
Number in II Division  
  
Others.  
  
Any distinctions obtained:

1110

(2) Staff in Science Departments.

1. Number of Teaching staff, subjectwise. (Please attach Biodata of each staff member giving details of the academic qualifications, Division obtained teaching and research experience, participation in refresher courses, Summer Institutes etc., books written and involvement in educational and other extra-curricular activities of the college.)
  
2. How many of the staff are  
Permanent  
Temporary  
ad-hoc.
  
3. What is the staff composition: & scales of pay.  
(Number)  
Professors,  
Readers,  
Lecturers  
Demonstrators  
Number of posts (if any) vacant.
  
4. Give details of supporting Technical staff available for Laboratories, workshop, fieldwork, Library etc.

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(3) Facilities

1. Number of class rooms available for instruction purposes and the seating capacity of each: and average size of a class. Is any of them fitted for use of audiovisual aids. Give details.
  
- 2.(i) Number of laboratories, subjectwise and size of batches for practical work.  
  
(ii) Are there preparatory rooms attached to them.  
  
(iii) Are balance-rooms available.
  
3. Is there a Central Workshop in the college? and/or Are there departmental workshop facilities. Give details.
  
4. Are there animal-house, Greenhouse, botanical garden facilities.
  
5. Is there a Science Museum in the college.
  
6. Are the Laboratories adequately equipped to support the academic programmes. Please give list of major items of equipment available department-wise and whether they are in working condition and active use.

7. Give details of library facilities available in the college:

Total number of books (Titles)

List of Journals subscribed.

Total number of books-subject-wise in science subjects only.

List of science journals currently subscribed.

8. Annual budget of the college for past 3 years.

Amount provided for science departments

for (i) Salaries of staff

(ii) Purchase of Equipment and materials.

(iii) Working expenses.

9. Is there a Book bank established in the college? If yes, since when and number of books available and number of science students using them.

10. Is there a non-resident student centre in the college? What are its working hours?

(113)

(4) Activities

- 10.
- (i) What are the science courses offered in the college and subjects taught and combination allowed.
  - (ii) What is the average number of lecturers in each science subject that a student is to attend.
  - (iii) What is the number and hours of .Practical Laboratory. Instruction. per week.
  - (iv) Are there seminars, group discussions, in addition to lectures.
  - (v) What is the extent of field work required to be done by students in Biological Sciences, Geology etc.
  - (vi) Does the college arrange lectures by visiting scientists?
  - (vii) Are there science clubs/societies active in the college? Give details.
  - (viii) Is there any interaction between the science departments amongst themselves in their teaching activities and if so give details.

4/1/1

- (1x) Is there any collaborative science programme with other colleges in the city or with local industries etc.
- (x) Does the college provide any remedial courses for students who are inadequately prepared.

(5) Proposals under COSIP

- (1) List all activities proposed to be undertaken by the different science departments, giving (a) purpose (b) number of faculty and students to be involved (c) anticipated benefits and results to better science instruction (d) type of material inputs needed (e) estimated expenditure for 3 year period and (f) plan of action to implement the activities (attach separate sheets for each).
- (2) What are the inter-departmental schemes proposed? If so give details as above and also participating departments.
- (3) What part of the expenditure can be met by the college out of its own resources.
- (4) Summary of the budget proposals for a 3 year period:

Deptt.	Items of expenditure with reference to schemes.	estimated expenditure.			Total
		1st year	2nd year	3rd year	

(115)

Certificates:

- (i) The information given above is correct and factual.
- (ii) The college administration and management will extend necessary help in successful implementation of the project activities within the specified period and for benefit of all science students.
- (iii) The amounts requested for would be utilised for COSIP activities and not for general development purposes (for which the college has obtained/will obtain separate grants from the Commission under other schemes.)
- (iv) The college would continue the science improvement activities even after the formal COSIP scheme has come to an end.

Sd/- Principal



APPENDIX IIICOLLEGE SCIENCE IMPROVEMENT PROGRAMME (71-76).

1. Foreword (Prof. Satish Chandra)
2. Preface ( Prof. B. Ramachandra Rao)
3. Key Note Address (Prof. B.M. Udgaonkar)
4. Objectives of COSIP
5. Recommendations of Regional Conferences in COSIP:
  - (a) To UGC
  - (b) To State Governments
  - (c) Universities.
  - (d) Colleges
  - (e) Teaching Community
  - (f) Any Special recommendations appropriate to the region.
6. ULP Status report on Physics (with list of new experiments, workshop tools demonstration experiments, journals & Books)
7. ULP Status report on Chemistry (List of new experiments, demonstration experiments, Journals & Books.
8. ULP Status report on Biology ( do )
9. ULP Status report on Mathematics (List of Journals & Books)
10. List of participants of Regional Conferences.
11. List of projects undertaken by colleges.
12. Future perspectives
13. A note on what State Governments could do to help this programme giving instances or examples.

UNIVERSITY GRANTS COMMISSION

(1)

Meeting :

Dated : 17th October, 1977.

- Item No. 7 : To consider the report of the Expert Committee appointed to examine the proposal of Mysore University for financial assistance towards the publication of the Dictionary of Alankara Sastra.

....

During the fourth plan the University Grants Commission provided financial assistance to the Mysore University for the research project relating to the Dictionary of Alankara Sastra as a part of the activities of the Department of Sanskrit. This project was completed. The University subsequently approached the Commission for the publication of the Directory at an estimated cost of Rs. 1,17,000/- during the current plan period. An expert committee consisting of the following members was appointed to examine the proposal and give its advise to the Commission about the suitability or otherwise of the publication of the dictionary:

1. Professor. T.G. Mainkar  
Head of the Department of Sanskrit  
Bombay University,  
Bombay.
2. Dr. V.A. Sarma  
Reader Department of Sanskrit  
Sri Venkateswara University,  
Tirupati.

The following are the main recommendations of the Committee.

1. The present material be revised and retyped in the light of the suggestions made.
2. A Committee of four scrutinising experts as proposed by the Editor, if approved by the UGC, be appointed to scrutinise and revise the retyped material before it is sent to the press.
3. The assistance sought for of Rs. 1,20,000/- be approved and sanctioned and be made available to the Mysore University for the publication of the Dictionary. The University Grants Commission has already paid Rs. 1,00,000/- or so towards this

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project and it would be in the fitness of things if this additional financial assistance is given to the Mysore University so that the work so labouriously done will not be wasted and will be made available to the world of scholars in a proper form.

\* p 3-6

The report of the committee is attached as Annexure-

In this connection, the following may be mentioned:

The Mysore University wanted to publish the dictionary out of the grant of Rs. 1,60,000/- allocated to the University for publication purposes as given below :-

- i) Rs. 1 lakh allocated on the recommendations of the fifth plan visiting committee;
- ii) Rs. 60,000/- allocated for 1975-76 and 1976-77 under the scheme of publication of learned/research works including doctoral theses.

According to the guidelines of the scheme of publication of learned research works, 2/3rd of the amount allocated should be used for the publication of doctoral theses and 1/3rd for other learned research works. In this particular case the amount that could be used for the publication of dictionary of Alankara Sastra comes to about Rs. 53,000/- which is not adequate for meeting the entire cost.

iii) The university has also expressed its inability to meet the expenditure within the fifth plan allocation.

iv) In the guidelines framed by the Commission publication of this nature and costing those than Rs. 20,000/- are to be considered outside the general scheme of general publication grant on all India basis, after the work has been examined by an expert committee

Accordingly this proposal of the university can be accepted as recommended by the Committee and a grant of Rs. 1,20,000/- for the publication of the Dictionary, outside the fifth plan allocation to Mysore University.

approved

The matter is placed before the Commission for consideration.

AS (D.I)/DS (D-I)

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\*SIK\*

Report on request from Mysore University  
for financial assistance for publication  
of the Dictionary of Alankarashastra.

.....

Sir,

This has a reference to your letter No.F.81/E.75(DIC) dated 28th April, 1977 and our subsequent correspondence in the matter. In accordance with your letter, Dr. V.A.Sharma of Sri Venkateswara University, Tirupati and myself visited the Mysore University, on the 11th July, 1977 and held consultations with the Vice-Chancellor of the University Shri Urs, Dr. Marulsiddiah, the Head of the Department and the Editor, the members of the Sanskrit Department and his assistants in the Dictionary project. We are grateful to all these authorities for having supplied us with all the necessary information. We have to report on their application for assistance for the publication of the Dictionary as under :-

Progress of the Project:

About 20,000 slips of words extracted from the 65 works consulted have been prepared and out of these only 6,500 words, from 'Akalpya' to 'Hri' have been selected for the final inclusion in the Dictionary. It could, therefore, be said that the first stage of Extraction of material from the source books has been completed. These slips of the words, finally selected, have also been arranged in an alphabetical order and therefore the second phase of Alphabetisation also has been over. Editorial notes on these words have been typed and this really marks the beginning of the third and the final stage, since this is the material which will appear in print in the Dictionary. We went through many of these notes and we have told them that all this material will have to be retyped with some improvements, which we have indicated to them. So far as the source books are concerned, no work after the 18th century has been consulted but we do not regard this as a flaw for the notes are quite exhaustive so far as the selected 65 or so texts are concerned. Chronological order should be maintained in the discussions as well as citations. We have asked them to revise these notes making them short and concise without sacrificing lucidity and we have also advised them to introduce definiteness in the indication of sources as well as of the different views. All vagueness should

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be avoided and the notes also should indicate the subtle differences that exist between concepts which appear apparently similar. After all, the Dictionary is going to be, when published, an authoritative source book for consultation for scholars and as such no incompleteness, lacunae or vagueness should characterise the material. The editor and his staff agreed to our suggestions and the notes when neatly retyped in the light of these suggestions that we have made, will be the proper material for the press. The material as it is, we have doubts, cannot go to the press. The sources often appearing in literary works as well of the concepts should be wherever possible made use of and indicated.

#### Printing:

Considering the demand for such a work, it would be desirable to print 1,500 copies first. Therefore, if and when need arises, the same can be printed by the photo offset method.

#### Estimate for printing:

It is proposed to print the Dictionary in the Royal Octave size and the 700 entries proposed to be included would make it run into about 1000 pages. These may be bound in two volumes, a fact which will increase the charges for binding, embossing etc. But this will be necessary expenditure, since this plan of printing the Dictionary in two volumes, will make the volumes easy to be handled by the readers.

Arrangement for printing the Dictionary can be made either at Bangalore or at Mysore. Bangalore would be an unsuitable centre for the high cost of printing and for the inconvenience that may be caused in the matter of proof correction. We therefore recommend that the printing be done at Mysore which should enable the Editor and his men to correct the proofs. The Dictionary, in print, must appear as flawless as possible and we therefore are of the opinion that the second arrangement proposed (namely of the printing being done at Mysore) by the Editor be approved. Considering the rates that are obtaining at present in Mysore the following is the budget presented. We enclose herewith a copy of the quotation received from the Sri Vijayalakshmi Press of Mysore. The total charges come to Rs. 91,543/-. In addition to this the Editor

has proposed the following estimates of expenditure for the final revision and the printing of the Dictionary.

1. Remuneration for revising staff (6 members)	Rs.10,000.00
2. Typist's allowance	Rs. 3,250.00
3. Stationary and contingency (including books)	Rs. 5,000.00
4. Honorarium for the Four Scrutinizing experts.	Rs. 6,000.00
5. T.A. and D.A. for experts	Rs. 5,000.00
6. Peon (Part time ) allowance	Rs. 750.00
	<hr style="width: 100%;"/>
7. Approximate printing cost	Rs. 30,000.00
	<hr style="width: 100%;"/>
Total	Rs.1,20,000.00
	<hr style="width: 100%;"/>

Of these items of expenditure Nos. 1,2,3,6 and 7 we consider to be quite in order. Item No. 4 and 5 need some explanation. The Editor has in mind a Committee of four experts which will go through the revised material very critically with a view to approving and improving it, before it is sent to the press. These four scholars will visit Mysore three or four times in a year when the work is in progress. Their honorarium for the entire worked out at Rs. 1,500.00 each is item No. 4 and their T.A. and D.A. is item No.5. Considering the state in which the present notes are and in view of the suggestions that we have made for revising and improving them, we consider, the Editor's proposal as worthy of acceptance . Such a Committee, if appointed, will undoubtedly raise the quality of the work ultimately produced. We have therefore found it worth recommending for the acceptance by the Commission.

Our Final Recommendations

1. The present material be revised and re typed in the light of the suggestions made.

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2. A Committee of four scrutinising experts as proposed by the Editor, if approved by the UGC, be appointed to scrutinize the revised and retyped material before it is sent to the press.

3. The assistance sought for of Rs. 1,20,000/- be approved and sanctioned and be made available to the Mysore University for the publication of the Dictionary. The U.G.C. has already paid Rs. 1,00,000/- or so towards this project and it would be in the fitness of things if this financial assistance is given to the Mysore University so that the work so labouriously done will not be wasted and will be made available to the world of scholars in a proper form.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 17th October, 1977

Item No. 8 : To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Political Science Department of Panjab University for participation in the University Leadership Programme.

.....

The University Grants Commission at its meeting held on July 19, 1976 (Item No. 8) considered the recommendations made by the Committee of the Conveners of Panels in the Humanities and Social Sciences at their meeting held on April 20, 1976 regarding the selection of a few university departments for participation in the University Leadership Project under the college Humanities and Social Sciences Improvement Programme (COHSSIP).

The Commission desired that the Economics Department of Panjab University and the Philosophy Department of Rajasthan University may be invited to participate in the University Leadership Project for Humanities and Social Sciences in colleges.

The Commission also desired that other departments recommended by the Panels may be requested to indicate their willingness to participate in this programme and to send concrete proposals in this regard for the Commission's consideration.

Accordingly, the Departments of various universities recommended by the subjects Panels and the Conveners of the Panels were requested to formulate concrete proposals in the prescribed proforma covering a period of 3 years in consultation with the colleges for improving the teaching of the subjects concerned in the colleges and to forward the same to the Commission for consideration. The proposals received from the recommended departments were considered by the Committee of the Conveners of Panels in the Humanities and social Sciences at its meeting held on February 24, 1977. The Committee recommended that the proposals received from various departments for participation in the University Leadership Project may be examined by Visiting Committees.

The proposal received from the department of Political Science, Panjab University was referred to a committee consisting of the following members :-

1. Professor Randhir Singh  
Delhi University.

p.t.o.



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2. Professor A.D. Pant,  
Allahabad University.
3. Professor C.P. Ehabri,  
Jawaharlal Nehru University,
4. Dr. J.N. Kaul,  
Joint Secretary, UGC.

The Committee visited the University on August 19-20, 1977. Professor Ehabri and Professor Pant could not join the Committee because of some last minute difficulties. A copy of the report of the Committee is attached (Annexure). \* The committee made the following main recommendations:-

\* p 11-16

- (i) The Department of Political Science, Panjab University should take immediate action on the recommendations of the final report of the UGC workshops of Political Science. The present syllabus should be revised as quickly as possible after wide consultation with the teachers of the affiliated colleges.
- (ii) Reading material for the new syllabus should be prepared by the college teachers under a general editorial board which would have both the university and college teachers as members. Special care may be taken to collect and present data on local and regional experiences. This material may first be prepared in English and then reproduced in Hindi and Panjabi.
- (iii) Periodical digests and latest periodical literature may be prepared and widely circulated amongst the affiliated colleges. The Department should prepare an annotated bibliography for teachers and students in the colleges.
- (iv) A "blow-up" of the syllabus approved finally by the University would be prepared on the lines of the "blow-up" of the Chemistry syllabus.
- (v) The staff of the Department will have to increase the frequency of their visits to the colleges.
- (vi) The concept of laboratory colleges should be fully explored and used.
- (vii) Appropriate steps should be taken to introduce necessary changes in the methods of examination, particularly, in the final university examinations.

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(viii) Provision should be made for providing text books and reading materials to the colleges. This could be done either by making funds available to the University department or directly to the affiliated colleges.

(ix) The Political Science Department should establish channels of communication and collaboration with other departments of the University which are already participating in the Commission's University Leadership Project.

(xi) The teachers of the Political Science Department who are participating in the University Leadership Project may be given honorarium for their work.

(xi) . . . The Committee recommends the following support to the department of Political Science, Panjab University for participation in the University Leadership Project:-

Recurring for Three years.

1.	2 Readers and 1 Lecturer	Rs. 52,000 p.a.
2.	E.A. and DA to university teachers for visiting colleges	Rs. 15,000 p.a.
3.	Support for translation programme (Stationary and other incidentals, remuneration, etc.)	Rs. 10,000 p.a.
4.	TA/DA to college teachers for visits to the University or the laboratory college	Rs. 15,000 p.a.
5.	Refresher Courses, Seminars, Conferences, etc.	Rs. 20,000 p.a.
6.	Contingencies	Rs. 5,000 p.a.
7.	Honorarium of Staff	Rs. 10,000 p.a.
	Total (R)	Rs. 1,27,000 p.a.

Non Recurring:

8.	Books for the University Deptt.	Rs. 25,000 (for 3 yrs)
9.	Office and Laboratory Equipment	Rs. 25,000
10.	Furniture	Rs. 5,000
11.	Text books and reading materials for colleges	Rs. 15,000
	Total (NR)	Rs. 70,000

10

Grant total Rs. 4,51,000  
(R+NR for three years)

The matter is placed before the Commission  
for consideration.

(AS(HR)/J.S(I)

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\*SLK\*

Report of the Committee appointed by the University Grants Commission to examine the proposal of the Political Science Department of Punjab University for participation in the University Leadership Project :

A Committee consisting of the following members was appointed by the University Grants Commission to examine the proposal of the Political Science Department of Punjab University for participation in the University Leadership Programme:

- (1) Professor Randhir Singh  
Delhi University,
- (2) Professor A.D. Pant  
Allahabad University.
- (3) Professor C.P. Hambri  
Jawaharlal Nehru University.
- (4) Dr. J.N. Kaul  
University Grants Commission.

Professor Hambri and Professor Pant could not visit the University because of some last minute difficulties.

The Committee visited the University on August 19-20, 1977 and discussed the proposal with the Vice-Chancellor, the Head and staff and a large number of students and research scholars of the Political Science Department.

The report of the Committee follows :

I. The Political Science Department: Some Basic Facts and Figures:

1. The sanctioned teaching staff of the department consists of 8 professors; 2 readers and 5 lecturers. The posts of 1 reader and 1 lecturer are vacant at present; It is understood that the posts will be filled up shortly.

2. At present the department has 119 students in the M.A. Part-I and Part-II classes and 14 students in the M.Phil course. There are also 24 students registered for Ph.D. degree. The two professors are guiding between them 21 of the 24 Ph.D. students.

3. The Department has also the advantage of collaboration with the 4 readers and 16 lecturers of the Directorate of Correspondence Course and the Punjab University Evening College.

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## II. Previous ULP Background of the Department:

4. The department has been actively concerned with the upgrading of the undergraduate and postgraduate syllabi in Political Science. With UGC assistance, the department organised refresher courses in March 1975 and a Summer Institute in May, June 1977 for the benefit of the college teachers. The Committee was informed that these programmes were well received by the teachers who had also shown keen interest in the revised syllabus and in re-revising certain portions of that syllabus. The department had prepared and sent bibliographies to the colleges and several teachers of the department had visited and taught in the affiliated colleges during the recent past.

5. The department does not have undergraduate classes and hence it has to rely for postgraduate students exclusively on the affiliated colleges. No improvement in postgraduate education in the university is possible without improvement of the teaching and learning in the affiliated colleges which are the feeders of the postgraduate classes in the university. It is, therefore, imperative for the department to upgrade instructions in the affiliated colleges.

6. The department is well aware of the thinking and recommendations of the various workshops in Political Science organised with the UGC support at several university headquarters. There is keenness to implement the recommendations of these workshops and the staff of the department is mentally set to introduce the changes suggested by the UGC workshops.

7. The faculty as a whole seems to be enthusiastic about participation in the university leadership programme. The programmes suggested were, however, not very precise. It was not clear whether the department as a whole had given some collective thought to the formulation of the proposals and the phasing of their implementation. The Vice-Chancellor whom the Committee met on August 19, gave a clear perspective of the U.L.P. in relation to the COHSSIP in the affiliated colleges. It may be mentioned in this connection that Professor R.C. Paul, the Vice-Chancellor, Punjab University was formerly the head of the Chemistry Department of the University and he was responsible for the participation of his department in the ULP of the Commission. He explained how his department had implemented the programme over the years. For instance, he pointed out, initially, the undergraduate syllabus in Chemistry was formulated in 5 pages in consultation with teachers of all levels in the university department and affiliated colleges, how this skeleton syllabus was put into the "blow-up" form of 300 pages which contained exhaustive instructions, both to teachers and to students, regarding concepts, bibliography

experiments, etc., how the teachers' guides were written by the teachers themselves separately for part I, II and III of the Chemistry Syllabus, how model questions were framed for students and teachers and how a book of instructions on new experiments was issued for teachers. The Vice-Chancellor also mentioned that the Chemistry department first identified and then supplied required equipment and books to the colleges. There is considerable experience and expertise available in the university on the philosophy and implementation of U.L.P. in several departments on which the Political Science department could have drawn.

8. The papers given by the department to the Committee included the following 5 proposals for participation in the U.L.P. programme; (1) refresher courses, (2) summer institutes, (3) sending booklets to the colleges; (4) modernisation of the courses and (5) extension lectures in the colleges. It was proposed that for certain activities such as provision of bibliographic materials and reading materials, all the 81 affiliated colleges of the university could be covered, but only about 35 colleges of the university and 40-50 colleges affiliated to the neighbouring universities might be taken up in the first phase for intensive development.

9. The Committee discussed these proposals with the head of the department and his colleagues over two long sessions. It was agreed that:-

- (i) The essential condition of the success of this programme would be the participation of college teachers. The department should, therefore, ensure participation of college teachers at every stage and in every phase of the programme. Involvement of college teachers in the programme would be a fair test of its success.
- (ii) The department should take immediate action on the recommendations of the final report of the UGC workshops on Political Science. The present syllabus should be revised as quickly as possible after wide consultation with the teachers of the affiliated colleges. While the university will process the revised syllabus through the normal university bodies meant for such purposes, the department should take special care to invite comments and criticism from the teachers in the affiliated colleges. The final revision should take into account the changes and the modifications suggested by the colleges.
- (iii) A "follow-up" of the syllabus approved finally by the University would be prepared on the lines of the "follow-up" of the Chemistry syllabus.
- (iv) It was pointed out that reading materials would not be

readily available for the new syllabus. The department assured the Committee that plans were ready for preparing reading materials for the new syllabus. These materials would be prepared generally by the college teachers under a general editorial board which would have both the university and college teachers as members. Special care would be taken to collect and present data on local and regional experiences. This material may first be prepared in English and then reproduced in Hindi and Punjabi. The Committee agreed with this suggestion.

- (v) The university department would prepare periodical digests of latest periodical literature and get it widely circulated amongst the affiliated colleges.
- (vi) An annotated bibliography would be prepared by the department for teachers and students in the colleges.
- (vii) The staff of the department will have to increase the frequency of their visits to the colleges. The purpose of these visits will be not only to give lectures, tutorials and seminars on agreed topics but to create conditions of teaching and learning in the colleges in which enrichment of teaching is possible. It may be necessary for a teacher from the department to spend at one time 3 or 4 days in a college.
- (viii) The concept of laboratory colleges should be fully explored and used. The department may select a good college for its laboratory work. The basic requirement of a laboratory college is that it should have competent and inspired teachers of political science and a good library. A cluster of colleges around the laboratory college could be asked to depute their political science teachers for participating in the workshops and seminars to be organised in the laboratory college by experts from the department and teachers chosen from the colleges themselves. This will obviate the necessity of frequently inviting teachers to attend workshops or seminars in the university campus.
- (ix) It was agreed that the style of questions in the university examinations will ultimately determine the style of teaching and the methods of learning of students. The staff of the department assured the committee that appropriate steps would be taken to introduce necessary changes in the methods of examination, particularly, in the final university examinations.

- (x) It was pointed out to the Committee that the affiliated colleges will not have suitable books to meet the requirements of the new syllabus and there is not much periodical literature available in the colleges. It was suggested that there should be a provision for providing good text books and reading materials to the colleges. This could be done either by making funds available to the university department or directly to the affiliated colleges.
- (xi) The Committee strongly recommends that the Political Science Department should establish channels of communication and collaboration with other departments of the university which are already participating in the Commission's U.L.P. This contact will help the department in identifying the problems of the college teachers and the needs of the college students. The university itself may like to mount a coordinated programme in the colleges so that the leadership provided by the different departments is put to maximum use and is concentrated on suitable points.
- (xii) The Committee was informed that the teachers in other departments of the university who are participating in the U.L.P. receive an honorarium for their work. Naturally the teachers of the Political Science Department would also expect similar incentives to implement this programme.

10. The Committee recommends the following support to the Department for participation in the U.L.P. :-

Recurring for Three Years:

(1)	2 Readers and 1 Lecturer	Rs. 52,000/- p.a.
(2)	T.A. and D.A. to university Teachers for visiting colleges	Rs. 15,000 p.a.
(3)	Support for translation programme (Stationery and other incidentals, remuneration, etc.)	Rs. 10,000 p.a.
(4)	T.A./D.A. to college teachers for visits to the university or the laboratory college	Rs. 15,000 p.a.
(5)	Refresher Course, Seminars, Conferences, etc.	Rs. 20,000 p.a.
(6)	Contingencies	Rs. 5,000 p.a.
(7)	Honorarium to staff	Rs. 10,000 p.a.



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Non-Recurring

(8)	Books for the University Department	Rs. 25,000 (for 3 years)
(9)	Office and Laboratory Equipment	Rs. 25,000
(10)	Furniture	Rs. 5,000 . .
(11)	Textbooks and reading materials for colleges.	Rs. 15,000

The Committee is grateful to the Vice-Chancellor, the Head and staff of the Political Science Department for the consideration and kindness shown to the members during their visit to the University.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

17

Meeting:

Dated : October 17, 1977

Item No. 9 : To consider further the report of the Visiting Committee which examined the proposal of the Department of Economics, Punjabi University, Patiala for participation in the programme of Centres of Advanced Study/Departments of Special Assistance in the Humanities and Social Sciences..

The Commission at its meeting held on April 18, 1977 (Item No. 11) considered the report of the Visiting Committee which examined the proposal of the Economics Department of Punjabi University for participation in the programme of Centres of Advanced Study/Department of Special Assistance.

A copy of the note placed before the Commission at its meeting held on April 18, 1977 is enclosed (Appendix) \*

p 19-27

Consideration of this item was deferred by the Commission. The Commission desired that the University may be requested to fill in the vacant positions in the department at an early date and the matter may be placed before the Commission as soon as the Department has the full approved strength. Accordingly, the University was requested to take necessary action in the light of the Commission's decision and intimate the action taken in the matter.

The Punjab University has now informed the Commission that:

"the Department has filled four of the six vacant posts. Dr. U.A. Kazi has been appointed as Reader in the leave vacancy of Dr. P.D. Hajela, Professor in the Department, who is on three years' leave as the Vice-Chancellor of Allahabad University. It was thought proper not to appoint a Professor in this post as there is some possibility of Dr. Hajela returning to the Department. The vacant post of Reader in

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Econometrics has been offered to Dr. A.N. Sadhu. Of the four vacant posts of Lecturers, three are leave vacancies. Two of these have been filled and the third has been left vacant as one of the three lecturers is due to join in November. He has already been released from his present assignment. The names of the newly appointed Lecturers are Shri Janak Raj Gupta and Shro Romesh Jindal. The fourth vacant post of Lecturer is not proposed to be filled till the position with regard to Dr. P.D. Hajela becomes clear during the next few months. The Department intends to upgrade this post to the level of Reader to provide Dr. U.A. Kazi in case Dr. P.D. Hajela resumes his Professorship in the Department on expiry of his leave."

The University has requested the Commission to consider the proposal of the Department for participation in the programme of Special Assistance .

If the recommendations of the Visiting Committee are accepted the total outlay for the department upto the end of 6th plan period will be Rs. 14,55,000/-.

It may be mentioned in this connection that the Commission has recognised so far the following Economics Departments under the CAS/DSA programme:

- 1 Department of Economics, Bombay University (CAS)
- 2 Department of Economics, Delhi University (CAS)
- 3 Gokhale Institute of Politics and Economics, Poona University (CAS)
- 4 Department of Economics, Osmania University (DSA)
- 5 Department of Economics, Andhra University (DSA)
- 6 Department of Economics, Presidency College, Calcutta (DSA)
- 7 Department of Economics, Calcutta University (DSA)

The matter is placed before the Commission for consideration.

E.O.(HR)/J.S.(I)

Note to Item No.11 of the UGC meeting held on April 18, 1977.

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The Advisory Committee for Centres of Advanced Study in the Humanities & Social Sciences, at its meeting held on 9th May, 1975 recommended, inter-alia, that the Committee of the Convenors of the Panels in the Humanities and Social Sciences may be requested to identify the departments in each subject which could be considered for support under the programme of CAS/special Assistance to selected Departments. The Convenors of the Panels at their meeting held on July 22, 1975 considered the recommendations of the Advisory Committee and recommended, inter-alia, that proposals may be invited from the Economics Department of the University of Punjabi for support under the above scheme. The Panel on Economics at its meeting held on 10-11/12/75 agreed with the above recommendations of the Convenors of the Panels. The recommendations of the Panel on Economics have been accepted by the Standing Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences and by the Commission. It was decided that a Committee may be set up to examine the proposal of the department of Economics, Panjabi University for support under the scheme of Centres of Advanced Study/Department of Special Assistance. Accordingly, the University Grants Commission constituted a Committee consisting of the following members to examine this:

1. Prof. D.T. Lakdawala  
Department of Economics,  
University of Bombay,  
Bombay-400032.
2. Prof. V.N. Kothari  
Department of Economics,  
M.S. University of Baroda  
Baroda-2.
3. Prof. M.K. Alagh,  
Adviser,  
Perspective Planning Division  
Planning Commission,  
New Delhi.

The above Committee visited the Punjabi University on the 25th of February, 1977. Dr. P.H.S. Rao, Education Officer, UGC also accompanied the Committee. A copy of the report of the Committee is enclosed (Annexure-). The Committee had a series of discussions with the Vice-Chancellor, the Registrar and Dr.H.K. Manmohan Singh, Professor

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and Head of the Department of Economics and his colleagues. The Committee also visited the University library. The main observations and recommendations of the Committee are given below:

The Department has done very interesting work in the field of Regional Economics. Some of its Ph.D. theses have own national recognition. The Department, has, however, not been able to fully contribute according to its potential under such an able and devoted head as Dr. Manmohan Singh on account of various handicaps. In particular, the Committee found that some of the existing posts at the senior level were lying vacant. This could be mainly ascribed to two reasons:

- i) There was a ban on the filling up of vacant posts which the Committee understands has been lifted so that in future this handicap will not continue; and
- ii) The liberal attitude of the University and the Department towards lending the services of the senior personnel, who are much in demand in other agencies, which inevitably and naturally resulted in its inability to recruit temporary personnel to replace them.

The Committee was surprised to find that while the Department had produced quite outstanding students, they have reluctantly left the department because of the failure to give them suitable openings at the proper time. It recommends that the following two programmes, which are of special interest, can be initiated by the department:

- i) Institution of an Honours School for a 3-year course envisaged with the new pattern of education. This will ensure proper instruction in economics for the Honours course and also furnish a good recruiting ground for the M.A. course;
- ii) Setting up of a Centre for Regional Studies. This will strengthen the department and enable it to carry out further work in the field of Regional Economics.

The Committee was rather surprised to find that the Library grant for the department has been greatly reduced which has meant that in terms of real level of facilities, there has been a substantial cut.

In view of the satisfactory state of teaching and research in the Department of Economics, Punjabi University

Patiala, as well as the justified and legitimate aspiration of the department for development in subject areas of research, the Committee strongly recommends that the Department of Economics, Punjabi University, may be recognised as a department for special assistance under the UGC programme of CAS/DSA.

The Committee recommended that the following assistance may be provided to the Department of Economics of the Punjabi University under the above scheme:

- 1. Professor -1
- 2. Readers -2
- 3. Lecturers -3
- 4. Research Associates -2
- 5. Research Fellows -2
- 6. Stenographer -1
- 7. Typist -1
- 8. Technical Attendant -1
- 9. Library Attendant -1
- 10. Visiting Economists & Consultants -Rs.5,000/- per year for a period of 5 years.
- 11. Field Work & travelling -Rs.2,000/- per year
- 12. Maintenance & Contingency -Rs.5,000/- per year
- 13. Books & Journals -Rs.50,000 (The Committee recommends that these books be given to the Department of Economics and also maintained by the Department).
- 14. One electronically operated duplicating machine )  
       One electric calculator )  
       One typewriter with mathematical symbols ) Rs.25,000
- 15. Furniture Rs.10,000

The matter is placed before the Commission for consideration.

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Report of the Committee appointed by the UGC to examine the proposal of the Department of Economics of the Punjabi University, Patiala for participation in the programme of CAS/DSA.

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A Committee consisting of the following members was appointed by the University Grants Commission to examine the possibility of inviting the department of Economics, Punjabi University, Patiala to participate in the programme of CAS/DSA:

1. Professor D.T. Lakdawala      .. Chairman  
Department of Economics  
Bombay University,  
Bombay
2. Dr. Y.K. Alagh  
Advisor  
Perspective Planning Division  
Planning Commission  
New Delhi.
3. Professor V.N. Kothari  
Department of Economics  
M.S. University of Baroda  
Baroda.
4. Dr. P.H. Sethumadhava Rao  
Education Officer  
University Grants Commission  
New Delhi.

The Committee visited the Department of Economics, Punjabi University, Patiala on February 25, 1977. The Committee had a series of discussions with (a) the Vice-Chancellor, (b) the Head of the Department of Economics, (c) Members of the teaching staff and (d) postgraduate and research students of the department. The report of the Committee follows:

A. Present Position

- (1) The postgraduate department of economics of Punjabi University was set up in the year 1965. At present the intake is 40 students per year. The total enrolment during 1976-77 was 80.
- (2) The present staff of the department consists of two professors, two readers, 5 lecturers and 3 instructors.

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- (3) The present teacher-student ratio is 1:8 and this has been the case during the last 5 years.
- (4) Examination results of the postgraduate students has been 80 per cent during the last 5 years. In the year 1975-76, 35 students appeared for the M.A. final examination; 27 passed; 9 in the first division, 14 in the second division and 4 in the third division.
- (5) During the last 10 years 3 students of the department were awarded Ph.D. degree. Out of these 3 theses, two have been published; one with a subsidy from the Australian National University which has additionally bought 200 copies of the book and the other by the Oxford University Press. Both have been judged as very outstanding. In addition to these, 3 theses two more have been finalised for submission and two more are nearing completion.
- (6) The department has published 5 'outstanding' books on different aspects of economic problems. They are:

1. B.S. Grewal	<u>Centre-State Financial Relations in India</u>
2. Narindar Singh	<u>Economics and the Crisis of Ecology</u>
3. Rajbans Kaur	<u>Agricultural Price Policy in Economic Development</u>
4. Brij Pal Singh	<u>Educational Progress and Economic Development in Panjab.</u>
5. Upinder Jit Kaur	<u>The Development of the Theory of Demand</u>

- (7) The department of Economics has successfully completed the following research projects:
  - 1. Educational Progress and Economic Development in Panjab.
  - 2. A Study of Consumption Pattern in Panjab.
  - 3. A Study of Unemployment amongst the Educated in Patiala District.



- 4. Government-aided Schemes for Harijan Welfare in Bhunerheri Block of Patiala District.
- 5. Vocationalisation of Education in Areas within the jurisdiction of the Punjabi University.
- 6. Changing Occupational Structure of Women in Panjab.
- 7. Caste and Class Structure in Rural Panjab

B. Research Output

- (1) The Panjabi University is perhaps the first University in the country to have started a course in Economics of socialism. It is proposed to orient the departments teaching and research activities increasingly to this area.
- (2) The department of Economics has done very interesting work in the field of regional Economics. Some of the Ph.D. theses have won national recognition.
- (3) The research work of the members of the staff of the department of Economics is indeed very outstanding. Professor H.K. Manmohan Singh, the Head of the Department has many books and journals to his credit which have been published in both Indian as well as foreign journals. The other members of the department have also done outstanding work.

The focus of the department has been largely on non-traditional areas with a bias in favour of problems of the Indian Economy with a view to improving public policies.

- (4) The following research schemes are in good progress:
  - (a) Class structure in rural Panjab; a case study of two villages with different degrees of economic development.
  - (b) Organisational behaviour: a comparative study of private and public sector.

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(c) Population mobility and economic change.

C. Other observations of the Committee:

The department has, however, not been able to fully contribute according to its potential under such an able and devoted Head as Dr. Manmohan Singh on account of various handicaps. In particular, the Committee found that some of the existing posts at the senior level were lying vacant. This could be mainly ascribed to two reasons:

- (1) There was a ban on the filling up of vacant posts which the Committee understands has been lifted so that in future this handicap will not continue; and
- (2) The liberal attitude of the University and the Department towards lending the services of the senior personnel, who are much in demand in other agencies, which inevitably and naturally resulted in its inability to recruit temporary personnel to replace them.

The Committee was surprised to find that while the Department had produced quite outstanding students, they have reluctantly left the Department because of the failure to give them suitable openings at the proper time.

D. Recommendations:

The Committee wishes to recommend that the Department of Economics, Panjabi University may be recognised by the UGC under the scheme of CAS/DSA for the following reasons:

- (i) The areas served by this University are in large part erstwhile princely states where feudalism was most rampant. The students coming from these areas are apt to think in extremist directions. These areas still remain backward economically and culturally as compared to the districts to the north of the Sutlej. They also comprise the larger part of the present state of Panjab. They are less likely to go for higher studies to universities outside this region. Also they generally fail to fit in the sophisticated atmosphere of a university like that at Chandigarh. For more or less the same reasons

Economics is a subject most popular with the student body at Panjab University.

- (ii) Of the three universities serving the Panjab this University has tried most to reach out to the people. The department was also the first to bring out a journal of social sciences in Panjabi.
- (iii) The State Government has tended most to utilise the services of personnel of this department in connection with their programmes of planning and development during the past decade or so. Professor H.K. Manmohan Singh has all along been approached by the State Government and its various agencies for advice and consultation and was a member of the working Group on Plan resources and until recently a member of the State Planning Board. Professor P.D. Hajela has also been on the State Planning Board.
- (iv) The Committee recommends the following two programmes which are of special interest can be initiated by the department:
  - (a) Institution of an Honours School for a 3-year course envisaged with the new pattern of education. This will ensure proper introduction in Economics for the Honours course and also furnish a good recruiting ground for the M.A. course.
  - (b) Setting up of a Centre for Regional Studies. This will strengthen the Department and enable it to carry out further work in the field of Regional Economics.

In order to ensure that these objectives are achieved, it is essential that the Economics Department of the University be given three senior posts, namely one Professor and two Readers. In addition, it would also need three Lecturers, two Research Associates and some auxiliary facilities (listed subsequently).

The assistance must be given to the Department on the understanding that the University will make the utmost efforts to fill in the existing vacant posts in the Department and it will also ensure that the grants to the University available from the University common facilities are not curtailed and that the equipment will be kept in an efficient condition of maintenance. The Committee was rather surprised to find that the Library grant for the Department has been greatly reduced which has meant that in terms of real level of facilities, there has been a substantial cut.

In view of the satisfactory state of teaching and research in the Department of Economics, Punjabi University, Patiala as well as the justified and legitimate aspiration of the Department for development in subject areas of research, the Committee strongly recommends that the Department of Economics, Punjabi University, may be recognised as a department for special assistance under the UGC programme of C.A.S./D.S.A.

The detailed recommendations of the Committee for additional facilities are as follows:

- 1. Professor 1
- 2. Readers 2
- 3. Lecturers 3
- 4. Research Associates 2
- 5. Research Fellows 2
- 6. Stenographer 1
- 7. Typist 1
- 8. Technical Attendant 1
- 9. Library Attendant 1
- 10. Visiting Economists & . . . . . Rs.5,000 per year for a period of 5 years
- 11. Field work & travelling Rs.2,000 per year
- 12. Maintenance and contingency Rs.5,000 per year
- 13. Books & Journals Rs.50,000  
(The Committee recommends that these books be given to the Department of Economics and also maintained by the Department)
- 14. One electronically operated duplicating machine )  
One electric calculator ) Rs.25,000  
One typewriter with mathematical symbols )
- 15. Furniture Rs.10,000

The Committee is grateful to the Vice-Chancellor, the Registrar, the Head of the Department and his colleagues for the kindness and courtesy shown to the Committee during their visit to the University.

Confidential

University Grants Commission

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Meeting :

Dated : October 17, 1977

Item No. 10 : To consider the report of the Visiting Committee which examined the proposal of the Department of Philosophy, Rajasthan University, Jaipur for participation in the programme of the Centres of Advanced Study / Departments of Special Assistance in the Humanities and Social Sciences.

The Advisory Committee for Centres of Advanced Study in the Humanities and Social Sciences, at its meeting held on the 9th of May, 1975 recommended, inter-alia, that the Committee of the Conveners of the panels in the Humanities and Social Sciences may be requested to identify the departments in each subject which could be considered for support under the programme of Centres of Advanced Study / Departments of Special Assistance. The Conveners of panels at their meeting held on July 22, 1975 considered the recommendation of the Advisory Committee and recommended, inter-alia, that proposals may be invited from the Philosophy, Department of the University of Rajasthan for support under the above scheme. The Panel on Philosophy at its meeting held on January 3, 1976 agreed with the above recommendations of the Conveners of the Panels.

The recommendation of the Panel on Philosophy was accepted by the Standing Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences and also by the Commission. It was decided that a Committee may be set up to examine the proposal of the Department of Philosophy, Rajasthan University, Jaipur for support under the scheme of Centres of Advanced Study / Departments of Special Assistance. Accordingly, the University Grants Commission constituted a Committee consisting of the following members :

1. Professor K. Satchidananda Murty,  
Vice-Chancellor,  
Sri Venkateswara University,  
Tirupati.
2. Professor K.J. Shah,  
Department of Philosophy,  
Karnataka University,  
Dharwar.
3. Dr. Rajendra Prasad,  
Department of Philosophy,  
Indian Institute of Technology,  
Kanpur.
4. Dr. J.N. Kaul,  
Joint Secretary,  
U.G.C., New Delhi.

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The Committee visited the University on August 11, 1977. Because of some last minute difficulties Professor K. Satchidanand Murty and Professor Rajendra Prasad could not accompany the Committee to Jaipur. Professor Murty, in fact, came to Delhi but could not proceed to Jaipur. A copy of the report of the Committee is enclosed (Annexure )\*

\*p3, 42  
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The Committee had meetings with the Vice-Chancellor, the Head of the Department of Philosophy, his colleagues and teacher fellows, research scholars and M.Phil and Ph.D. students in the Department. Most of the time of the Committee was taken up by individual meetings with teachers in the Department which proved eventually the most significant part of the programme.

I. Some basic facts and figures about the Department :

1. The department has at present a student enrolment of 221 of whom 182 are in the undergraduate classes, 29 in the Part I and Part II M.A. classes, 4 in the M.Phil and 6 in the Ph.D. programme.
2. The staff strength of the department is 1 Professor, 3 Readers and 8 Lecturers.
3. The teacher-pupil ratio has been about 1 : 20 during the past 5 years. The university examination results have been excellent, the pass percentage at the undergraduate level varied from 90 to 100 per cent and has stayed at 100% at the postgraduate level during the last five years.
4. The out-turn of Ph.D. has not been spectacular. However, there has been evidence of a good deal of research activity at the Ph.D. level during the last 2 or 3 years. Two Ph.D. degrees were awarded in 1975-76 and at present 14 scholars are registered for doctoral work - 9 of them are women.
5. Research out-put of the staff of the department is quite impressive. Professor Daya Krishna's books The Nature of Philosophy (Calcutta, Progressive Publishers, 1956), Planning Power and Welfare (Delhi, Congress for Cultural Freedom, 1959), Considerations Towards the Theory of Social Change (Bombay, 1965), Social Philosophy - Post War Feature (Simla, IIAS, 1969), Modern Logic (ed) Impex India, 1969) and Indian Education Today (ed) (Jaipur, Rajasthan University Press, 1973), are distinctive contribution to study of Philosophy, education and culture. He has also contributed about 80 articles and monographs on Philosophy, Economics, Sociology, Literature, Political Science etc. to national and foreign periodicals. Most of the other members of the staff have authored books on Philosophy and related subjects and contributed to periodical magazines.

The department has a fairly good collection of books in the central and departmental library. The annual budget of the library books and journals in Philosophy is Rs. 12,000/-.

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Two of the members of the staff, namely, Professor Daya Krishna and Dr. Biswambhar Pahi have worked in universities and research institutions outside India.

The department is working at present on a number of research projects which are supported by the U.G.C.

## II. Areas of Research and Distinctive Features of the Department.

- (a) The distinction between one's own research work and teaching may well lead to neglect of both. Where they are closely interwoven as they are in this department, they tend to be taken seriously and support and strengthen each other. There is quite a lot to be said in favour of such integration of interests and this is markedly evident in the working of this department. It creates a larger local intellectual community giving scope for immediate interactions within the group. In this way dependence on external reactions is reduced. This creates a sense of independence, confidence and worthwhileness. It is very likely that the problems arising out of such context would be more to the point than those borrowed from external influence or sources.
- (b) Another interesting feature of the development is the creation of a matrix of mutual interaction of the following important four trends of philosophy : (i) Indian Philosophy, (ii) Systematic Western Philosophy, (iii) Analytic Western Philosophy, and (iv) Existentialism. This can help in the development of a meaningful relationship between them instead of their mere co-existence.
- (c) It is noteworthy that the approach of the department does not attempt to create a common purpose by moulding them to a pre-conceived goal; it interweaves the individuals' interests and enriches them to create a mould.
- (d) All this has been possible on account of the perceptive leadership available to the department; it is doubly fortunate that the leadership is recognised.
- (e) The model of development of research here is different from the usual one; nevertheless it is a model; and perhaps more worthwhile than the usual one which proceeds on the usual understanding of the nature of research and its organisation.
- (f) It is in the light of these considerations that the future programme of teaching and research needs to be understood. The Committee has no hesitation in recommending that these developments should be strengthened by inviting the Philosophy department of Rajasthan University to participate in the scheme of Departments of Special Assistance.

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III. Recommendations :

The Committee recommended that the following assistance may be provided to the Department of Philosophy of the Rajasthan University, Jaipur under the above scheme :

A. Staff :

- 1. One Professor in Logic and Philosophy of Science
- 2. In respect of Philosophy of Law, the following line of development is suggested :
  - (a) One Lecturer in Philosophy of Law
  - (b) Two fellowships (one of them senior) for Philosophy of Law.
  - (c) A Professorship in Philosophy of Law may be created during 1979-80 after review.
- 3. One Reader in Logic
- 4. One Reader in Indian Philosophy
- 5. One Sastry trained in Navya Nyaya or Vyakaram
- 6. One Visiting Professorship (Rs. 30,000 p.a.)
- 7. Four Fellowships available at any one time may be provided for the M.Phil and doctoral studies.
- 8. Three Research Associates in each of the three main areas.
- 9. Three Teacher Fellowships per year.
- 10. Four National Scholarships at any one time.
- 11. Administrative and Technical Support Rs. 15,000 p.a.
- 12. Seminars .. .. Rs. 5,000 p.a.
- 13. Publication .. .. Rs. 10,000 p.a.
- 14. Books and Journals .. .. Rs. 10,000 p.a.
- 15. Research and field work .. .. Rs. 5,000 p.a.
- 16. Contingency .. .. Rs. 5,000

Non-Recurring

- 1. Equipment (Typewriters, Duplicators etc.) Rs. 25,000/-
- 2. Books & Journals Rs. 1, 00,000/-
- 3. Additional Space (5000 sq. ft.) Rs. 2, 50,000/-
- 4. Furniture (including immediate needs) Rs. 10,000

If the recommendations of the Visiting Committee are accepted, the total outlay upto the end of the 6th plan period will be Rs. 27,75,000/-.

It may be mentioned in this connection that the Commission has recognised so far the following Philosophy departments under the Centres of Advanced Study / Department of Special Assistance programme :

- 1. Department of Philosophy, Madras University (CAS)
- 2. -do- Jadavpur Univ. (DSA),

The matter is placed before the Commission for consideration.

EO (HR) / JS (I)



University Grants Commission

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Report of the Visiting Committee appointed by the University Grants Commission to examine the proposal of the Department of Philosophy, Rajasthan University, Jaipur, for participation in the Centres of Advanced Study / Department of Special Assistance.

The UGC Panel on Philosophy, the Committee of the Conveners of the UGC Panels in the Humanities and Social Sciences and the Standing Advisory Committee on Centres of Advanced Study in the Humanities and Social Sciences recommended that a proposal may be invited from the department of Philosophy, University of Rajasthan, for participation in the Commission's scheme of Centres of Advanced Study/ Department of Special Assistance. The University sent the proposal and the following Committee was appointed to examine it :

1. Professor K. Satchidananda Murty,  
Vice-Chancellor,  
Sri Venkateswara University, Tirupati.
2. Professor K.J. Shah,  
Department of Philosophy,  
Karnatak University, Dharwar.
3. Dr. Rajendra Prasad,  
Department of Philosophy,  
Indian Institute of Technology, Kanpur.
4. Dr. J.N. Kaul,  
Joint Secretary,  
University Grants Commission.

The Committee visited the University on August 11, 1977. Because of some last minute difficulties, Professor K. Satchidananda Murty and Professor Rajendra Prasad could not accompany the Committee to Jaipur. Prof. Murty, in fact, came to Delhi but could not proceed to Jaipur.

The Committee had meetings with the Vice-Chancellor, the Head of the Department of Philosophy, his colleagues and teacher fellows, research scholars and M.Phil and Ph.D. students in the department. Most of the time of the Committee was taken up by individual meetings with teachers in the department which proved eventually the most significant part of the programme. These meetings gave the Committee an understanding of the present work and the future plans of the department and enabled it to take a view on its problems and possibilities of further development. The report of the Committee follows :

I. Some basic facts and figures about the Department :

The Department has at present a student enrolment of 221 of whom 182 are in the undergraduate class, 29 in the Part I and Part II M.A. classes, 4 in the M.Phil and 6 in the Ph.D. programme.

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The staff strength of the department is 1 Professor, 3 Readers and 8 Lecturers.

The teacher-pupil ratio has been about 1 : 20 during the past five years. The university examination results have been excellent, the pass percentage at the undergraduate level varied from 90 to 100 per cent and has stayed at 100% at the Postgraduate level during the last five years.

The out-turn of Ph.Ds. has not been spectacular. However, there has been evidence of a good deal of research activity at the Ph.D. level during the last 2 or 3 years. The Ph.D. degrees were awarded in 1975-76 and at present 14 scholars are registered for doctoral work - 9 of them are women.

Research out-put of the staff of the department is quite impressive. Professor Daya Krishna's books The Nature of Philosophy (Calcutta, Progressive Publishers, 1956), Planning Power and Welfare (Delhi Congress for Cultural Freedom, 1959), Considerations Towards the Theory of Social Change (Bombay, 1965), Social Philosophy - Post War Feature (Simla, IIAS, 1969), Modern Logic (ed) (Impex India, 1969) and Indian Education Today (ed) (Jaipur, Rajasthan University Press, 1973) are distinctive contributions to study of Philosophy, education and culture. He has also contributed about 80 articles and monographs on philosophy, economics, sociology, literature, political science etc. to national and foreign periodicals. Most of the other members of the staff have authored books on philosophy and related subjects and contributed to periodical magazines.

The department has a fairly good collection of books in the central and department library. The annual budget of the library books and journals in Philosophy is Rs. 12,000/-.

Two of the members of the staff, namely, Professor Daya Krishna and Dr. Biswambhar Pahi have worked in universities and research institutions outside India.

The department is working at present on a number of research projects which are supported by the U.G.C.

## II Areas of Research and Distinctive Features of the Department :

The department has been pursuing a number of academic programmes during the past decade and would like to continue them on a more regular basis; and it would also like to undertake some new ones in case UGC support is available.

The department's areas of interest have primarily been in the fields of Logic & Philosophy of Science, Indian Philosophy and for the last few years, in the Philosophy of Law. The department has initiated on its own and is continuing a programme of faculty improvement of teachers in the affiliated colleges through Summer Schools and Seminars and by devising procedures of consultation and interchange with the students and the faculty in the affiliated colleges.

A brief statement of the department's work in special areas of interest is mentioned below :

INDIAN PHILOSOPHY

The distinctive approach of the department in the field of Indian Philosophy has been to make the teaching of Indian Philosophy more problem-oriented in nature than it has been upto now in most Indian or foreign universities. For this purpose, the courses have been revised, particularly at the M.A. level, and structured around the epistemological, ontological and axiological issues.

As there are hardly any texts on Indian Philosophy which are problem-oriented, the department decided to produce a book with such orientation in collaboration with the Rajasthan Hindi Granth Academy, Jaipur. Dr. N.K.Sharma, Lecturer in the Department, who was entrusted with the task of preparing the book has successfully completed it and the book has already been published.

In pursuance of its interest in Indian Philosophy, the department invited Pandit Khadag Nath Mishra, Ex-Principal of Maharaja's Sanskrit College, Jaipur, to take classes on Gadadhar Bhattacharyya's Vyutpattivada, a well-known work of the Navya Nyaya School. Besides him, Pandit Govind Narayan Mishra undertook a detailed textual study of Nyaya Siddhanta Muktavali with the members of the Department. The classes were held once a week in the department and the teachers and research scholars interested in the subject attended it regularly. The purpose of the programme was to go into details of Indian Philosophy by studying a text with a Pandit whose approach and background in the subject was traditional in character. The results have been fairly promising in the sense that increased interest in Indian Philosophy has been noticed in the department and the programme, it is hoped, will continue this year also.

Recent Philosophy

Similarly the Department has been aware of the difficulties of students who come primarily from the Hindi speaking areas and whose competence in English is relatively low. It was decided therefore to produce a book of Readings in Hindi on Recent Philosophy to introduce the students to the original texts themselves. For this purpose, some key articles of some of the most eminent contemporary philosophers, which have made tremendous impact in Modern Philosophy, were selected and got translated into Hindi and published by the Akhil Bhartiya Darshan Parishad through the help of its Secretary, Shri Yash Deo Shalya. The book has been prescribed as text at the M.A. level for the compulsory paper on Recent Philosophy.

Epistemology & Axiology :

The department also felt that there should be original works written in Hindi on epistemological and axiological issues which should be problem-oriented in nature. For this purpose the department has already published two books in Hindi through the Rajasthan Hindi Granth Academy, namely Gyan Mimansa by

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Professor Daya Krishna and on Mulya Mimansa by Prof. G.C. Pande.

The department has made some interesting experiments in the preparation of reading materials for the students. This experiment has been tried in the preparation of a book on Ethics, which is now in the final stage. Various outlines were prepared by different teachers of the department and discussed jointly by all of them including others who had not prepared any outline of their own. The final outline of the chapter headings to be covered in the book was thereupon jointly decided by the teachers and the responsibility for writing the book was voluntarily undertaken by one teacher who had been teaching the subject both at the postgraduate and the undergraduate levels. The teacher who was given the responsibility for writing the book will prepare an outline draft of each chapter and place it for discussion before the Faculty members. After a thorough discussion the Chapter would be written and before it is given the final shape, it will be discussed once again by all the teachers of the Department. The responsibility and the decision as to what will be included or excluded in the final chapter will remain with the author concerned.

#### Modern Logic

The Department has been interested in the imparting of teaching of Modern Logic since the very beginning of the decade. The modern logic paper was made compulsory at the undergraduate level and the first summer school for the teachers in the affiliated colleges was organised in Logic. A little later the paper was made optional on the representation of the teachers in the affiliated colleges. It has continued to be offered as an optional paper since then and has been almost continuously offered and taught in many of the affiliated colleges. At the M.A. level it has always been a compulsory paper. A Paper on advanced Logic is offered as an optional paper at the final year of the M.A. examination.

The department organised a short term intensive course in logic for the teachers teaching the subject at the post-graduate level in the affiliated colleges within December, 1976. Dr. Biswambhar Pahi who directed this course also conducted an All-India Summer School in advanced logic at Lucknow University during the summer vacation. The continuing interest of the department in this field has resulted in the Advanced Logic paper being offered by one of the affiliated colleges in Bikaner. Dr. N.N. Vyas who has been interested in Logic has been doing excellent work in Logic. Some of the difficulties that he faced were removed by inviting him to a special session with Dr. Pahi in the Department.

#### Legal Philosophy

The department's interest in Legal Philosophy has been primarily due to Shri Chand Mal Sharma, the seniormost Reader in the Department. This has resulted in the starting of an

optional paper entitled 'Philosophy of Law' which has been offered by some of the better students every year, a few of whom are now enrolled for Ph.D. under his guidance.

### Summer Schools and Seminars :

The department has regularly organised summer schools on different topics with the help of the Directorate of College Education, Rajasthan, which provided financial support for the purpose. In fact, on the suggestions from the teachers in the affiliated colleges, one of the summer schools was organised at Govt. College, Ajmer, one of the affiliated colleges of the University. However, due to financial stringency for the last few years, the Director of college Education is not in a position to finance the holding of the summer School, and thus, it has not been possible for the department to organise it for some years past. It was only when the UGC asked the department to organise an All-India Summer School in Political, Social and Legal Philosophy in 1974 that the teachers from the colleges could be invited to attend it. This School's unique feature was its ability to draw its resource personnel from the departments of Sociology, Political Science and Law besides the philosophy people from the department and some other universities.

Besides these the department has organised a number of seminars focussed on the interests of the faculty members. The very first seminar related to Modern Logic and its Relevance to Philosophy aroused great interest. Its proceedings have been published in a book form by Impex India. After that the Department organised a series of seminars relating to the theme of Contemporary Philosophical Problems in the light of Classical Indian Philosophy. The idea was to invite classical scholars on Indian Philosophy and pose before them for discussion some problems which have been agitating the minds of contemporary philosophers. Three such seminars were held. The Department has also tried to build some contacts with the local Sanskrit College. One of the sessions of the first seminar on Contemporary Philosophical Problems in the light of Classical Indian Philosophy was held in the premises of the Sanskrit College itself. Also, Pandits from the college have been invited for lectures to the faculty and students in the Department.

### Contacts with Affiliated Colleges :

Besides the Summer Schools and the Workshops, the Department has undertaken a scheme of exchange of teachers with the affiliated colleges under which persons from the department go to the colleges for a couple of days and give lectures, meet the students and discuss philosophical issues with the teachers and students.

Conversely, some promising teachers from the affiliated colleges are invited to the department to deliver lectures or conduct a seminar on a topic of their interest.

In continuation of these activities, the department has also organised an Annual Discussion Competition both at the undergraduate and postgraduate levels, in which students from different colleges take part and also awarded prizes for their performance. The discussions are held alternatively at the University Centre and at some affiliated college, which is willing to play host to the teams concerned.

#### Experiments in Teaching and Innovations in Courses :

1. From the very beginning, the department has felt that the hard core of the teaching in Philosophy should lie in the training of the ability to critically discuss any issue. The department introduced, therefore, a compulsory paper at the postgraduate level comprising of 50 marks for discussions and 50 marks for the four seminar papers . . . . . which a student was required to write within two academic sessions. The discussions are held every fortnight and the students are evaluated independently by two teachers present at the discussions. A cumulative record is kept of every student's performance and is taken into account when final evaluation is made. A special feature of the scheme is that the students know the marks they have obtained at the end of each discussion.

2. A special feature in the innovation of courses offered by the department relates to the introduction of part courses, where, in lieu of a paper of 100 marks, the students may offer two part papers which relate to different fields of Philosophy. Philosophy of Mathematics is one such course which a student may offer as, in most cases, he may not want to go for deep specialisation in it and yet may want to know something about it.

3. The students and teachers took great interest in the publication of 'Darshan Sameeksha' in cooperation with the Rajasthan Hindi Granth Academy. Summaries of recent articles and reviews of important books were published in it by members of the department and teachers from the affiliated colleges and also by teachers from some sister universities. Unfortunately, it had to be discontinued because of some financial and administrative difficulties faced by the Rajasthan Hindi Granth Academy. The department would very much like to continue this activity in some form or the other.

4. Last year the department organised its M.Phil courses and started its first M.Phil classes. The experience of

teaching M.Phil students has already resulted in a change in methods of teaching, particularly with some of the brighter students in their optional papers at the M.A. level. The optional paper on advanced Ethics in the III.I Semester was, therefore, taught in a new way. The students were asked to discover the related material on their own and report back critically on it to the teacher concerned.

The paper on Philosophy and Social Action was introduced for the first time in the department. The experience has been a success. However, as the course was open-ended and tentative in character, there is a great deal of possibility of experimenting with it in the new session.

In order to make available to the students the articles published in Darshanik Traivastik, a complete file of the journal was bought for the departmentally library and the students were asked to read articles relating to their subjects.

### III

#### Observations and Recommendations of the Committee

##### 1. The close relationship between teaching and research

In the work of the department and its individual members, teaching and research are closely interwoven. The direction and problems of research have very often arisen from teaching, and the research interests of the teachers have influenced the courses and the problems introduced in the syllabi. This interest in teaching is also reflected in the relationship between the affiliated colleges and the university department. However, this has not prevented the emergence of certain area as more important in the programme of the department. These are mentioned below :

2. Indian Philosophy : The teaching of Indian Philosophy has led to development of research interests along the following lines :

- (a) The attempts to teach Indian Philosophy problem-wise instead of system-wise has given a different direction and a different formulation to several problems in Indian Philosophy. It has resulted in the production of book on these problems.
- (b) The attempts to relate the teaching of Indian Philosophy to the Sanskrit Texts with the help of the Pandits have also been worthwhile. The dialogue between the traditional pandits and modern scholars with background of Western training has aroused interest

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in Indian Philosophy and led to changes in emphasis and formulation of problems.

- (c) Translation of the Sanskrit texts has also stimulated work in Indian Philosophy in a similar way.
- (d) Interaction between interest in Logic and interest in Indian Philosophy has led to work in the application of logical technique to the problems of Indian Philosophy. This has opened up many worthwhile possibilities which are reflected partly in the themes selected for doctoral dissertations.
- (e) Among other things, a desire to create interest among the students has led to a project for devising an introductory course on Philosophy (not Indian Philosophy) based on Indian discussions of political, social and moral problems.

3. Logic : Logic is a different kind of subject from Indian Philosophy, and the pattern of relationship between research and teaching is not quite the same.

- (a) At the most sophisticated international level, research is individual, independent of teaching.
- (b) At another level, research students have undertaken research which involves the use of sophisticated techniques.
- (c) However, if (a) and (b) above are to develop it is necessary to emphasise teaching. Teaching and learning of logic has been encouraged in many ways, including the conducting of summer schools. This has generated considerable success in rousing interest in logic among the students and teachers in the affiliated colleges.

4. Recent Western Philosophy :

- (a) There is strong interest in analytical philosophy and it has influenced the developments in teaching and research in all the activities of the department.
- (b) There is evidence of interest in existentialist philosophy and at least two teachers have worked in this area for their doctoral thesis and have continued their work in the area.
- (c) The work of translation in this area is also helpful in both teaching and research.

5. Philosophy of Law :

- (a) On account of the continued interest of a senior



teacher in the philosophy of law, the subject has attracted considerable attention both at the M.A. and the Ph.D. level. Quite a few doctoral dissertations are about to be completed in this area.

- (b) In view of the importance of the subject and its relationship to political, social and moral thought, this area of work needs to be encouraged.

6. Experiments in teaching :

The close association of research and teaching has led to the following experiments which are helpful :

- (a) A course on Philosophy and social action
- (b) Introduction of part courses, and
- (c) Experiments in writing a book.

7. The Academic Community :

The Teaching Community in the Department :

To the foregoing developments, many teachers have contributed in important ways. However, it is important to note that this has been possible because of the availability and acceptability of leadership. The leadership provided by Professor Daya Krishna over a long period has been a cohesive and inspiring influence ; his versatility and sense of fairness and helpfulness have helped many a People to give of their best. In recent years, to this leadership has been added the leadership of Dr. Pahi whose presence has infused a new element and added vitality to the Department.

8. The Students : The students at all levels, especially the postgraduate and research levels have responded to the leadership and the developments with enthusiasm and hard work.

9. Summing up :

(a) The distinction between one's own research work and teaching may well lead to neglect of both. Where they are closely interwoven as they are in this department, they tend to be taken seriously and support and strengthen each other. There is quite a lot to be said in favour of such integration of interests and this is markedly evident in the working of this department. It creates a larger local intellectual community giving scope for immediate interactions within the group. In this way dependence on external reactions is reduced. This creates a sense of independence, confidence and worthwhileness. It is very likely that the problems arising out of such context would be more to the point than those borrowed from external influence or sources.

(h) Another interesting feature of the development is the creation of a matrix of mutual interaction of the following important four trends of philosophy (i) Indian Philosophy, (ii) Systematic Western Philosophy; (iii) Analytic Western Philosophy, and (iv) Existentialism. This can help in the development of a meaningful relationship between them instead of their mere co-existence.

(c) It is noteworthy that the approach of the department does not attempt to create a common purpose by moulding them to a pre-conceived goal; it interweaves the individuals' interests and enriches them to create a mould.

(d) All this has been possible on account of the perceptive leadership available to the department, it is doubly fortunate that the leadership is recognised.

(e) The model of development of research here is different from the usual one; nevertheless it is a model; and perhaps more worthwhile than the usual one which proceeds on the usual understanding of the nature of research and its organisation.

(f) It is in the light of these considerations that the future programme of teaching and research needs to be understood. The Committee has no hesitation in recommending that these developments should be strengthened by inviting the Philosophy department of Rajasthan University to participate in the scheme of Departments of Special Assistance.

#### 10. Recommendations :

In view of the considerations mentioned above, it is recommended that the department of Philosophy, Rajasthan University be deemed as a Department of Special Assistance. The Committee recommends the following support :

##### A. Staff

1. One Professor in Logic and Philosophy of Science

2. In respect of Philosophy of Law, the following line of development is suggested :

(a) One lecturer in Philosophy of Law

(b) Two fellowships (one of them senior) for Philosophy of Law.

(c) A Professorship in Philosophy of Law may be created during 1979-80 after review.

3. A Reader in Logic.

4. A Reader in Indian Philosophy

5. A Sastry trained in Navya Nyaya or Vyakarana

6. One Visiting Professorship (Rs. 30,000 p.a.)

7. Four Fellowships available at any one time may be provided for the M.Phil and doctoral studies.

8. Three Research Associates in each of the three main areas.

9. Three Teacher Fellowships per year.

10. Four National Scholarships at any one time..

11. Administrative and Technical Support .. ..	Rs. 15,000 p.a.
12. Seminars .. ..	Rs. 5,000 p.a.
13. Publications .. ..	Rs. 10,000 p.a.
14. Books and Journals .. ..	Rs. 10,000 p.a.
15. Research and Field work .. ..	Rs. 5,000 p.a.
16. Contingency .. ..	Rs. 5,000 p.a.

Non-Recurring

1. Equipment (Typewriters, Duplicators etc.)	Rs. 25,000/-
2. Books and Journals	Rs. 1,00,000/-
3. Additional Space (5000 Sq. ft.)	Rs. 2,50,000/-
4. Furniture (including immediate needs)	Rs. 10,000/-

The Committee is grateful to the Vice-Chancellor, Professor Daya Krishna, his colleagues and his students for the kindness and consideration shown to the members during their visit to the University.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated :17th October, 1977.

Item No. 11 To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of Delhi University for participation in the University Leadership Programme.

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The proposal received from the Department of Commerce, Delhi University for participation in the University Leadership Programme in Commerce was referred to a Committee consisting of the following members:

1. Prof. Dool Singh  
Dean  
Faculty of Commerce & Management  
Kurukshetra University,  
Kurukshetra.
2. Prof. R. Ramadas  
Department of Commerce  
Madras University,  
Madras.
3. Dr. J.N. Kaul  
Joint Secretary,  
University Grants Commission.

The Committee visited the Department of Commerce on August 8, 1977. A copy of the report of the Committee is attached 'Annexure' \* The Committee made the following main observations and recommendations:

- (i) The Committee was not very happy with the University examination results in the B.Com.(Hons) and B.Com (Pass) course. In 1972 more than 80 % of the students either failed or passed the B.Com. (Hons) examinations in the 3rd Division. Similarly about 90% students either failed or passed the B.Com.(Pass) course in the 3rd division. In 1976, about 65% students in B.Com. (Hons) and 84% in B.Com. (Pass) either failed or passed their

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examinations in the 3rd divisions. The unsatisfactory nature of university results in commerce came up for discussion with the Pro-Vice-Chancellor and the faculty members. The Pro-Vice-Chancellor was very much concerned about this situation. It was pointed out by the University representatives that the general level of results was lowered by the private and correspondence course students. It was emphasised that the pass percentage of regular students was 41% in the B.Com.(Pass) about 90% in the B.(Com. (Hons) and over 91% in M.Com of the 1974-75 examinations. The Committee was, however, not given any figures about the percentage of students who passed these examinations in the 2nd and 1st Divisions. The Committee was assured that steps would be taken to improve the situation. It was also pointed out that there is a great rush for admissions in Commerce courses and the university is finding it difficult to get fully qualified commerce teachers.

- (ii) The Committee noted that the Department as a whole was very keen to undertake the programme.
- (iii) The Committee discussed with the faculty the details of the programme which could be taken up immediately in the colleges for students and teachers. These programme were accepted and are mentioned below:-

A. For Students:

- (i) To compile an annotated bibliography in each course.
- (ii) To prepare a list of reading materials which should be circulated to the under-graduate students in the colleges in the beginning of the session.
- (iii) To translate reading materials in English into Hindi.
- (iv) To start a periodical news-letter(Cyclostyled form) for sharing news and views.
- (v) To prepare teaching aids and make them available to the students.
- (vi) To arrange lectures for students by experts in specific fields.

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- (vii) To prepare synopsis of lectures together with problems and questions for students.
- (viii) To provide facilities for duplicating and zeroxing of reading materials from time to time.
- (ix) To prepare a basic list of books and periodicals and to arrange procurement of these books and journals for the colleges.
- (x) To arrange opportunities for students to work with business houses during vacation.

B. For college teachers:

- (i) Lecturers by faculty members and experts for teachers in a cluster of colleges.
- (ii) Week-end seminars for teachers of colleges to be organised either by teachers themselves or with the help of outside experts.
- (iii) One week seminars on specified topics.
- (iv) Development of case-studies for deeper understanding and for clarification of students by University faculty in cooperation with selected college teachers and students.
- (iv) The Committee agreed with the suggestion of the faculty that the Head of the Department of Commerce should be the ex-officio project co-ordinator.
- (v) The Committee observed that the Department of Commerce, Delhi University is committed to the improvement of instruction in commerce in the colleges. The Department should be encouraged to continue this good work.
- (vi) The Committee recommends that the Department of Commerce, Delhi University may be supported for participation in the University Leadership Programme.
- (vii) The Committee recommends the following support to the Department of Commerce, Delhi University for participation in the University Leadership Programme.

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Leadership Programme:-

Recurring:

1. Readers-3	Rs. 57,000/- p.a.
2. Visiting Professors	Rs. 30,000/- p.a.
3. TA& DA for quest teachers	Rs. 5,000/- p.a.
4. Administrative support	Rs. 15,000/- p.a.
5. Books and Journals	Rs. 10,000/-p.a.
6. Postage	Rs. 4,000/- p.a.
7. Paper & Stationery	Rs. 10,000/- p.a.
8. Contingencies	Rs. 5,000/- p.a.
9. One Summer Institute per year	Rs. 10,000/- p.a.
10. Week-end seminars	Rs. 5,000/- p.a.
11. Field work for students/ teachers in the University colleges.	Rs. 5,000/-p.a.
12. Honorarium to the Faculty	Rs. 10,000/-p.a.

Rs. 1,66,000/-p.a.

Total (Recurring for three years) Rs. 4,98,000/- p.a.

Non-Recurring:

1. One over-head projector	Rs. 10,000/-
2. Furniture (including storage)	Rs. 20,000/-
3. Typewriter (English)	Rs. 5,000/-
4. Duplicating Machine	Rs. 10,000/-
5. Automatic stencil cutting and processing machine	Rs. 25,000/-
6. Cassette tape-recorder with accessories	Rs. 5,000/-
7. Electronic calculator	Rs. 5,000/-
8. Books for colleges	Rs. 1,00,000/-

Total Rs. 1,80,000/-

Grand total (R+NR)

Rs. 6,78,000/-

If the honorarium to the faculty is approved in the present case, it will be considered in other similar cases. It may be mentioned in this connection that the question of honorarium under University Leadership Programme was discussed recently by the Standing Committee for COSIP in September 1977 and the Committee made the following observations:-

"It was noted that the Commission had allowed a choice to the institutions concerned either to appoint additional staff required to release sufficient time for the entire staff of the department to devote to COSIP activities or the existing staff would undertake this in addition to their normal duties and are paid a small honorarium generally about Rs. 10,000/- per annum for the entire University Leadership Programme department. It was felt that giving honorarium to the existing staff may not be desirable as this may imply that the ULP activities are not integrated with the rest of the activities of the department and there was a danger that these activities may come to an end when COSIP funds including honorarium was no more available. The department may thus lose interest in continuing such activities. On the other hand, it would be desirable to appoint some additional staff and the staff so recruited have contributed in large measure to the success of the COSIP University Leadership Programme activities could be absorbed on a permanent basis, making it a first charge on the next plan allocation to the university concerned, provided the addition of new staff would help in sharing of the departmental workload and release some time of every staff member to engage in COSIP activities. The Committee desired that this may be considered and a uniform procedure may be followed in all the University Leadership Programme departments!"

The matter is placed before the Commission for consideration.

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Report of the Committee appointed by the University Grants Commission to examine the proposal of the department of Commerce of the Delhi University for participation in the University Leadership Programme.

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A committee consisting of the following members was appointed by the University Grants Commission to examine the possibility of inviting the department of Commerce, Delhi University to participate in the University Leadership Programme:

1. Professor Dool Singh  
Dean  
Faculty of Commerce & Management  
Kurukshetra University  
Kurukshetra.
2. Professor R. Ramadas  
Department of Commerce  
Madras University,  
Madras.
3. Dr. J.N. Kaul  
Joint Secretary,  
University Grants Commission  
New Delhi.

The Committee visited the Department of Commerce which is housed in the Delhi School of Economics, Delhi University on August 8, 1977 and completed its work on the afternoon of the day. Shri C.M. Ramachandran Assistant Secretary, University Grants Commission accompanied the Committee. The Committee had a series of discussions with (a) the Pro-Vice-Chancellor of the University, (b) the Head of the Department of Commerce and (c) the Faculty members of the department. The report of the Committee follows: (i)

- (i) The Department of Commerce is housed in the Delhi School of Economics complex of the Delhi University. Commerce is offered at the South Delhi Campus also. The staff of the Department at present consists of 3 professors, 12 Readers and 5 Lecturers (in both the campuses taken together).
- (ii) In all, there are 41 constituent colleges of the University of Delhi which are teaching Commerce at the undergraduate level, 5 of them are also registering M.Com. students and 28 colleges have B.Com. (Hons) course.

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- (iii) A statement showing the number of teachers and students in Commerce of the University Delhi and the colleges affiliated to it during the years 1971-72 and 1975-76 is enclosed (Annexure.)
- (iv) Examination Results of the M.Com. B. Com(H) and B. Com (Pass) students-(Regular, correspondence & non-collegiate women's Board & Private) in the years 1972 and 1976 are given below :-

Year	M.Com			B.Com.			B.Com.(Pass)		
	No of Students passed			No of students passed			No of students passed		
	I Div.	II Div	% of students either failed or passed in III Div.	I Div,	II Div	% of students either Failed of Passed in III div.	I Div	II Div	% of students either failed or passed in III
1972	8	70	More than 50%	11	158	81%	1	42	9
	(4.96%)	(43.42%)		(1.24%)	(17.83%)		(0.23%)	(9.70%)	
1976	26	153	43%	78	418	65%	26	689	8
	(8.33%)	(49.04%)		(5.48%)	(29.39%)		(0.58%)	(15.38%)	

- (v) During the past five years, 3 students of the Department were awarded Ph.D. Degree
- (vi) The Department introduced M.Phil course in 1976-77 (mainly for college teachers) and 16 teachers were admitted to this course.
- (vii) The following diploma courses are in the planning stage:
- (a) Diploma in Tax Planning and Management
  - (b) Diploma in Economic and Financial Jour
  - (c) Diploma in Costing.
  - (d) Diploma in Corporate Secretaryship.
  - (e) Diploma in Entropreseurehip.

The last three of these diplomas are designed for undergraduate students of colleges which can be taken concurrently with main degree course.

- (viii) During the past five years, the Department conducted All India Seminars under the Faculty Improvement Programme on the following themes:
- (a) Two-day Seminar on Electronic Data Processing for Accountants(1974).
  - (b) Three-day All India Seminar on Company Law Reforms (1974)
  - (c) Three-day All India Seminar on Public Enterprises(. 1976.) . . . . .
  - (d) Three-day All India Seminar on Multi National Enterprises in the context of Less developed countries (scheduled in the middle of January, 1977).
  - (e) Seven-day Orientation Course- 50 teachers in 1972 for preparing work books.
  - (f) One-day seminar in 1976 for capital budgeting for teachers of Commerce Colleges.
  - (g) In 1972, the second All India Seminar on Accounting was also held in Delhi for the benefit of Commerce teachers.
  - (h) A number of lectures and seminars were organised during the past five years under the auspices of the Department for the benefit of college teachers.

(ix) During the past five years, the Department of Commerce undertook the following activities for improvement of commerce teaching:-

- (a) During the years 1967-72 teachers of various colleges met from time to time to work out common synopses and list of suggested readings in each paper of the revised B.Com(Hons). course. Similar programmes were arranged in respect of the new B.Com. (Pass) course. These reading lists and synopses are used in all constituent colleges. They are reviewed and revised at the beginning of every academic year.

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- (b) Individual members of the Department frequently visit colleges to give special lectures. Almost forty senior teachers from constituent colleges are associated every year with lectures, tutorials and seminars at the postgraduate level in the Department. Both these arrangements provide ample opportunity for interaction among teachers of the Department and of the constituent colleges. These contacts have contributed to the preparation of reading materials for the M.Com Course.
- (c) Under the Hindi Implementation Scheme, the Department with active collaboration of commerce teachers from the constituent Colleges has prepared Hindi translation of standard works in the areas of Accountancy, Scientific Methods and logic. Cyclostyled sets of these translations have been made available to all constituent colleges.
- (d) Regular research and faculty development seminars on topics of current interest are held in the Department almost every fortnight where the research findings of teachers and research scholars are presented for deliberations and discussions.
- (e) The Department also publishes a Journal known as Review of Commerce Studies mainly for the benefit of teachers and students.
- (f) The Department has organised the M.Phil. programme mainly for the benefit of college teachers.

All these activities are reported to have contributed significantly towards the improvement of undergraduate teaching of Commerce in Colleges.

(x) The teachers of the Department of the University have participated in the following academic programme for colleges :-

- (a) Guiding about 60 college teachers in their doctoral work.
- (b) Guiding college teachers in planning their reading and research programmes and also in exploratory work for registration as Ph.D. scholars.
- (c) Assisting the colleges in formulating time-tables teaching programmes and also in selection of lecturers
- (d) Giving radio talks for the benefit of B.Com students in the University of AIR Programme.

(i) Of the 41 constituent colleges of the University of Delhi which are teaching Commerce, the Department proposes to select 3 colleges every year (both from campus and outside Campus- to remove imbalances) in a phased manner for development of facilities under the above programme. The colleges will be selected on the basis of their excellence in staff, student-teacher ratio, examination results, strength of their libraries and such other considerations.

(ii) The department, under the University Leadership Programme, proposes to select 25 to 30 teachers from colleges for the FIP.

(iii) The department proposes to take up the following four areas for improvement of instruction in the colleges:

- (a) Analytical aspects of Accounting Practices and Conventions.
- (b) Mathematical Analysis and Quantitative Techniques in Business Decisions.
- (c) Economic Planning and Environment for Business in India.
- (d) Resources and Trade in the Evolution of World Economy.

1. The Committee was not very happy about the University examination results in the B. Com. (Hons). and B.Com(Pass) course. In 1972 more than 80 per cent of the students either failed or passed the B. Com(Hons) examination in the 3rd division. Similarly about 90 per cent students either failed or passed the B. Com(pass) course in the third division. In 1976, about 65% students in B. Com (Hons) and 84% in B.Com (Pass) either failed or passed their examinations in the third division

The unsatisfactory nature of university results in Commerce came up for discussion with the Pro-Vice-Chancellor and the Faculty members. The Pro-Vice-Chancellor was very much concerned about this situation. It was pointed out by the university representatives that the general level of results was lowered by the private and correspondence course students. It was emphasised that the pass percentage of regular students was 41 in the B.Com (Pass), about 90% in B. Com. (Hons) and over 91 % in M.Com of the 1974-75 examinations. The Committee was, however, not given any

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figures about the percentage of students who passed these examinations in the 2nd and first divisions. The Committee was assured that steps would be taken to improve the situation. It was also pointed out that there is a great rush for admission to commerce courses and the University is finding it difficult to get fully qualified commerce teachers.

2. The proposal of the Department to select only three colleges per year would mean that only 9 of the 41 commerce departments of the constituent colleges would benefit under the scheme over a period of three years. The faculty agreed that the scope of the scheme should be extended to all the commerce departments of the concerned colleges and that intensive development of individual departments, may be taken in three phases so that the programme is completed at the end of three years.

3. The ULP should attempt not only improvement of instruction commerce within the existing frame work of the prescribed syllabi and the examination procedures but should also make concerted efforts to bring about necessary modernisation in courses of study, in approach to teaching of the subject at the undergraduate level and in examination procedures.

4. The entire faculty should be able to spare time and effort to make a success of this programme which should be treated as a commitment of the whole department. The Committee was happy to note that the department as a whole was very keen to undertake the programme.

5. The programme drawn up by the University department should have the support of not only the faculty and the University authorities but also of the affiliated college teachers. It is, therefore, necessary to set up adequate and workable institutional arrangements for ensuring participative organisation and administration of this programme.

6. The Committee discussed with the faculty the details of the programmes which could be taken up immediately in the colleges for students and teachers. These programmes were accepted and are mentioned below :-

A. For Students:

- (i) To compile an annotated bibliography in each course.
- (ii) To prepare a list of reading materials which should be circulated to the undergraduate students in the colleges in the beginning of the session.

- (iii) To translate reading materials in English into Hindi.
- (iv) To start a periodical news-letter (cyclostyled form) for sharing news and views.
- (v) To prepare teaching aids and make them available to the students.
- (vi) To arrange lectures for students by experts in specific fields.
- (vii) To prepare synopsis of lectures together with problems and questions for students.
- (viii) To provide facilities for duplicating and zexing of reading materials from time to time.
- (ix) To prepare a basic list of books and periodicals and to arrange procurement of these books and journals for the colleges.
- (x) To arrange opportunities for students to work with business houses during vacation.

B. For College Teachers:

- (i) Lectures by faculty members and experts for teachers in a cluster of colleges.
- (ii) Week-end seminars for teachers of colleges to be organised either by teachers themselves or with the help of outside experts.
- (iii) One week seminars on specified topics.
- (iv) Development of case-studies for deeper understanding and for clarification of students by University faculty in cooperation with selected college teachers and students.

of the 7. The Committee agreed with the suggestion of the Faculty that department of Commerce should be the ex-officio project co-ordinator.

8. The Committee observed that the Department of Commerce, Delhi University is committed to the improvement of instruction in Commerce in the colleges. The Department should be encouraged to continue this good work.

The Committee recommends that the Department of Commerce, Delhi University may be supported for participation in the University Leadership Programme.

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9. The following grants may be provided to the Department for the purpose for a period of three years:-

Recurring

1.	Readers -3	Rs. 57,000 p.a.
2.	Visiting Professors	Rs. 30,000 p.a.
3.	TA& DA for guest teachers	Rs. 5,000 p.a.
4.	Administrative support	Rs. 15,000 p.a.
5.	Books & Journals	Rs. 10,000 p.a.
6.	Postage	Rs. 4,000 p.a.
7.	Paper & Stationery	Rs. 10,000 p.a.
8.	Contingencies	Rs. 5,000 p.a.
9.	One Summer Institute per year	Rs. 10,000 p.a.
10.	Week-end seminars	Rs. 5,000 p.a.
11.	Field work for students/teachers in the University/colleges	Rs. 5,000 p.a.
12.	Honorarium to the faculty	Rs. 10,000 p.a.

Total Rs.1,66,000 p.a.

Total (Recurring) for three years:4,98,000

Non-Recurring:

1.	One over-head projector	Rs. 10,000
2.	Furniture (including storage )	Rs. 20,000
3.	Typewriter (English)	Rs. 5,000
4.	Duplicating machine	Rs. 10,000
5.	Automatic stencil cutting and processing machine	Rs. 25,000
6.	Cassette tape recorder with accessories	Rs. 5,000
7.	Electronoic Calculator	Rs. 5,000
8.	Books for Coll ges	Rs.1,00,000

Total Rs.1,80,000

Grand Total (R+NR) Rs.6,78,000

The Committee is grateful to the Pro-Vice-Chancellor and the Head of the Department of Commerce and his colleagues for the kindness and courtesy shown to them during their visit to the department of Commerce, Delhi University.

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STATEMENT SHOWING THE NUMBER OF STUDENTS, TEACHERS, ETC.  
IN COMMERCE : UNIVERSITY OF DELHI.

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	1971-72	1975-76
1. Total No. of students in Colleges	1971-72	1975-76
B.Com.(Pass)	3879	10,564
B.Com(Hons.)	3375	
M.Com.	360	
2. Total No. of students in Department		
M.Com.	304	550
Ph.D.	5	53
3. Staff in position		
Colleges	231	426
Department	12	17
4. Total enrolment in the University (excluding School of Correspondence Courses & Non-Collegiate Women's Board)	59,086(1970-71)	67,012

UNIVERSITY GRANTS COMMISSION

Confidential

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Meeting:

Date : 17th October, 1977

Item No.12 : To consider the report of the Committee appointed by the UGC to examine the proposal of the Commerce Department of Madras University, Madras for participation in the University Leadership Programme.

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The proposal received from the Department of Commerce, Madras University for participation in the University Leadership Programme in Commerce was referred to a Committee consisting of the following members:

1. Professor Laxmi Narain,  
Dean,  
Faculty of Commerce  
Osmania University  
Hyderabad
2. Professor L.S. Porwal  
Professor & Head of the  
Department of Commerce  
Delhi University  
Delhi.

The Committee visited the Department of Commerce, Madras University on September 7 & 8, 1977. The Committee was assisted by Mr. C.M. Ramachandran, Assistant Secretary, UGC, New Delhi. A copy of the report of the Committee is attached (Annexure-)\* The Committee made the following main observations and recommendations:

- i) The Department of Commerce which was established in 1953 had only a Reader to manage its affairs till 1971, when the first full-time University Professor of Commerce was appointed. At present, the Department has one Professor, one Reader (appointed only in 1976) and one Lecturer appointed only two months back. Teaching of both M.Com. previous and final year classes is the responsibility of these three University appointed teachers. The M.Com. teaching is supplemented by three part-time practicing Chartered Accountants to the extent of 12 periods for taxation and accounting and by two officers from the Registrar of Cooperative Societies in regard

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to optional paper of cooperation. The two-year Evening Diploma course in Accountancy and Taxation is handled exclusively by part-time teachers, drawn from various sources. The Committee felt greatly concerned about the shortage of teachers in the University Department of Commerce. With very great difficulty, the University Department of Commerce is able to manage the teaching of M.Com. classes with only three permanent teachers. The Committee was informed that the Head of the Department is going abroad for 9 months shortly. This will further affect the teaching programme in the Department.

- ii) The Committee also felt concerned about the examination performance at B.Com. level. The past percentage for the last five years is given in the report.
- iii) The Committee feels that with the present staff in the Department, it will be very difficult to provide the leadership which is expected from a University Department. However, as the needs of the University affiliated colleges are enormous with respect to faculty and teaching improvement and as the teachers from various affiliated colleges whom the Committee met for a discussion expressed a keen desire to have some programmes for development of teaching in the affiliated colleges, it may be possible to consider financial aid to the University for workshops and for providing intensive training in various area of the subject. The Committee suggested that the University Department of Commerce draws upon the talent and resource of the senior teachers in the local affiliated colleges and thus provide the nucleus to guide the ULP of the Department. For this purpose a formal committee be formed, headed by the Head of the University Department. The Committee is particular about this programme because the present personnel in the department is highly inadequate for running a ULP. However, to run the ULP effectively and efficiently, the Committee recommends that two Readers and two Lecturers for a period of three years may be provided for the Department.
- iv) The teachers appointed in the department under the ULP should be made available to various affiliated colleges to give lectures in their

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areas of specialisation. As the staff position of the University Department is extremely strained, the ULP should not be taken up till the staff recommended by the Committee is in position. As the teachers from affiliated colleges, whom the Committee met had expressed difficulty particularly in the area of the new paper on Business Mathematics, the Committee suggested that one of the four teachers recommended under ULP is appointed with qualification in this area.

- v) The Committee recommended the following support to the Department of Commerce, Madras University for participation in the University Leadership Programme:

REQUIREMENT

- |   |     |                   |
|---|-----|-------------------|
| 1. Readers  | - 2 | Rs. 38,000/- p.a. |
| 2. Lecturers  | - 2 | Rs. 28,000/- p.a. |
| 3. Steno-Typist-  | 1   | Rs. 5,000/- p.a.  |
| 4. Curriculum development on specific subject including workshops, preparing reading material, teaching aid etc. (two workshops may be held per year lasting for 10 days with about 30 participants divided into various subject areas, for example, Accounting, Management, Statistics & Business Mathematics, Mercantile Law, Trade & Marketing and so on). |     |                   |
| a) T.A. to participants as per rules  |     | Rs. 4,000/-       |
| b) D.A. to participants as per rules  |     | Rs. 3,000/-       |
| c) Expenses for preparing charts and slides   |     | Rs. 1,500/-       |

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d) Stationery, Postage & Secretarial assistance	Rs. 2,000/-
e) Contingencies	Rs. 500/-
	<hr/>
	Rs. 11,000/- x 2
	Rs. 22,000/-

5. Three Summer Institutes per year of 8-10 days duration for certain specific subjects, with about 40 participants.

a) T.A. to participants as per rules	Rs. 6,000/-
b) D.A. to participants as per rules	Rs. 3,200/-
c) Honorarium to Guests Speakers as per University Rules	Rs. 3,000/-
d) T.A. to Guests Speakers as per University Rules	Rs. 1,000/-
e) Secretarial assistance	Rs. 1,000/-
f) Stationery and typing	Rs. 1,000/-
g) Special reading materials and books to teachers	Rs. 2,000/-
h) Contingencies	Rs. 1,500/-
	<hr/>
	Rs. 18,700/- x 3
	Rs. 56,100/-
Total recurring for 3 years:	Rs. 4,47,300/-

Non-Recurring

1. Purchase of books & periodicals for the colleges. (Money may be distributed on some equitable basis to various colleges. The colleges will purchase only those books & journals which have been approved by the ULP Committee)	Rs. 1,50,000/-
2. 2 Filing cabinets @ Rs. 1500/- each	Rs. 3,000/-
3. Typewriter - 1	Rs. 3,000/-
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Total(NR)	Rs. 1,56,000/-
Grand Total (NR+R):	Rs. 6,03,300

The matter is placed before the Commission for consideration.

Annexure to Item No 12

Report of the Committee to examine the proposal of the Department of Commerce, University of Madras for participation in the University Leadership Project.

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The Committee appointed by the University Grants Commission to examine the proposal of the Department of Commerce for participation in the University Leadership Project comprising the following visited the Department of Commerce on 7th September, 1977:

1. Professor Laxmi Narain  
Dean  
Faculty of Commerce,  
Osmania University,  
Hyderabad.
2. Professor L.S. Porwal  
Professor & Head of the Department  
of Commerce,  
University of Delhi  
Delhi.

The Committee was assisted by Mr. C.M. Ramachandran, Assistant Secretary, University Grants Commission, New Delhi.

After arrival in the University, the Committee met the Registrar and had a brief discussion with him in the absence of the Vice-Chancellor who was away at Delhi to attend some meeting and who had left a message for the Committee. The Committee then visited the Department of Commerce and had discussions with the Faculty. In the afternoon, the Committee had a lengthy session with 16 senior teachers of the Departments of Commerce from different city colleges affiliated to the University. The Committee has to report as under:

1. Present position of the Department

The Department which was established in 1953 had only a Reader to manage its affairs till 1971, when the first full-time University Professor of Commerce was appointed. At present, the Department has one Professor, one Reader (appointed only in 1976) and one Lecturer appointed only a month's back. Teaching of both the M.Com. previous and final year classes is the responsibility of these three University appointed teachers. In addition to M.Com. 6 candidates are registered for Ph.D. and 2 for M.Phil. with the Professor and Head of the Department, and 3 candidates for Ph.D.

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and all the 12 candidates for M.Phil. are registered with the Reader of the Department. The Department is also responsible for a two-year evening diploma in Accounting and Taxation.

The M. Com. teaching is supplemented by three part-time practicing chartered accountants to the extent of 12 periods for taxation and accounting and by 2 officers from the Registrar of Cooperative Societies in regard to optional paper of cooperation. The two-year Evening Diploma course in Accountancy and Taxation is handled exclusively by part-time teachers, drawn from various sources.

The University has introduced M.Phil. programme with effect from 1976-77 when 4 persons were admitted. In 1977-78, 12 persons have been admitted to the course. The Committee felt greatly concerned about the shortage of teachers in the University Department of Commerce. With very great difficulty, the University Department of Commerce is able to manage the teaching of M. Com. classes with only three permanent teachers. The Committee was informed that the Head of the Department is going abroad for 9 months in a day or two. This will further affect the teaching programme in the Department.

Examination Performance

The Committee felt concerned about the examination performance at B. Com. level. The past percentage for the last 5 years is given below:

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B. Com. Final

	<u>Appeared</u>	<u>Passed</u>	<u>1st Class</u>	<u>2nd Class</u>	<u>3rd Class</u>	<u>Pass %</u>
1971-72 (April only)	4441	1385	129	568	688	31.19
1972-73 (April & Sept.)	9263	1906	69	634	1212	20.57
1973-74 (April & Sept.)	14058	2186	176	766	1576	15.55
1974-75 (April & Sept.)	17934	2054	57	633	1464	11.45
1975-76	22378	2732	66	673	1993	13.08

As shown above, there is a tremendous wastage at the examination and it is the duty of the University to make some concerted effort towards the improvement of performance. The U.L.P. Committee as suggested later some senior teachers of the affiliated colleges should be fully involved in the process. It is hoped that the percentage would improve after the affiliated colleges get benefit of the University Leadership Project.

#### Activities undertaken by the Department

As per the information given to the Committee, the Department of Commerce has done hardly any work during the last 5 years for improvement of undergraduate teaching. It has introduced the semester pattern at B.Com. level and also structured all the pattern of question papers making them more objective type. It may be noted that the teachers who have made special contribution to such programmes not even one belonged to the University Department. They were all from affiliated colleges of the University. However, in June, 1973, the Department did organise the University Grants Commission Summer Institute in Commerce.

#### OBSERVATIONS AND RECOMMENDATIONS

According to general guidelines provided by the University Grants Commission for University Leadership Project, "the crucial point in the successful implementation of the University Leadership Project would be the extent to which the University Departments selected to participate in this programme would be able to spare faculty time and initiative by its staff in improving the inspection in all its relevant aspects". The Committee feels that with the present staff in the Department it will be very difficult to provide the Leadership which is expected from a University Department. However, as the needs of the University affiliated colleges are enormous with respect to faculty and teaching improvement and as the teachers from various affiliated colleges whom the Committee met for a personal discussion have expressed a keen desire to have some programme for development of teaching in the affiliated colleges, it may be possible to consider financial aid to the University for workshops and for providing intensive training in various area of the subject. It is suggested that the University Department of Commerce draws upon the talent and resource of the senior teachers in the local affiliated colleges and thus provide a nucleus to guide the ULP of the department. For this purpose a formal committee be formed, headed by the Head of the University Department. We are particular about such a committee because the present personnel in the department is highly inadequate for running a ULP.



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The revised proposals of the Department were also considered by the Committee and it recommends that the Department may be assisted for the following purposes:-

1. Curriculum Development of specific subject including workshops on preparation of reading materials, teaching aids etc.

The workshops may be held per year lasting for 10 days with about 30 participants divided into various subject areas, for example, Accounting Management, Statistics and Business, Mathematics Mercantile Law, Trade and Marketing and so on. The following financial assistance may be given for this purpose:

a)	T.A. to participants as per rules	Rs.	4,000.00
b)	D.A. to participants as per rules	Rs.	3,000.00
c)	Expenses for preparing charts and slides.	Rs.	1,500.00
d)	Stationery, Postage and Secretarial assistance	Rs.	2,000.00
e)	Contingencies	Rs.	500.00

Rs. 11,000.00 x 2  
Rs. 22,000.00

- 2 For arranging three summer Institutes per year of 8-10 days duration, for certain specific subjects, with about 40 participants. The break-down of the financial assistance is as follows:-

1	T.A. to participants as per rules	Rs.	6,000.00
2	D.A. to participants as per rules	Rs.	3,200.00
3	Honorarium to Guests/Speakers as per University rules	Rs.	3,000.00
4	T.A. to Guest/ Speakers as per University rules	Rs.	1,000.00
5	Secretarial assistance	Rs.	1,000.00
6	Stationery and typing	Rs.	1,000.00
7	Special reading materials and books to teachers	Rs.	2,000.00
8	Contingencies	Rs.	1,500.00

Rs. 18,700.00 x 3  
Rs. 56,100.00

3 For a period of 3 years Rs. 1,50,000/- may be given to the Department for purchase of books and periodicals by various affiliated colleges which are having undergraduate teaching in Commerce. The money may be distributed on some equitable basis to various colleges. The colleges will purchase only those books and journals which have been approved by the ULP committee.

4 The Committee has already expressed its great concern over the paucity of staff in the Department. It is hoped that the University will immediately provide more teachers to the Department. However, to run the ULP effectively and efficiently, the committee recommends that two Readers and two Lecturers for a period of 3 years and one stenotypist and necessary financial assistance may be given for this purpose.

5 Provision for two filing cabinets at the rate of Rs. 1,500/- each and one typewriter costing Rs. 3000/- may also be made.

The visual aids, such as various charts, slides and other teaching material got prepared or collected under the ULP should be made available to all the affiliated colleges. A separate room should be provided for this purpose and the colleges should be free to use these teaching facilities. One of the teachers of the department made available under the ULP may be specifically available to supervise this work.

The teachers appointed in the department under the ULP should be made available to various affiliated colleges to give lectures in their areas of specialisation. If such colleges are outside the city their T.A. and D.A. would have to be met by the colleges inviting them. Such inter-action, it is hoped, would be able to generate new dynamism in undergraduate teaching.

As the staff position of the University department is also extremely strained, the ULP should not be taken up till the staff recommended by the committee is in position.

As the teachers from affiliated colleges whom the committee met had expressed difficulty particularly in the area of the new paper on Business

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Mathematics, it is suggested that one of the four teachers is appointed with qualification in this area.

The Committee is grateful to the Registrar, and the Head of the Department of Commerce and his colleagues for the kindness and courtesy shown to them during their visit to the Department of Commerce, Madras University.

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 17th October, 1977

- Item No. 13 To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Commerce Department of Rajasthan University, Jaipur for participation in the University Leadership Programme.

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The proposal received from the Department of Commerce, Rajasthan University, Jaipur for participation in the University Leadership Programme was referred to a committee consisting of the following members :-

1. Professor M.V. Pylee,  
Director  
School of Management  
Cochin University,  
Cochin.
2. Prof. R.S. Nigam  
Professor of Commerce  
Delhi School of Economics  
Delhi University,  
Delhi.
3. Dr. J.N. Kaul  
Joint Secretary,  
University Grants Commission  
New Delhi.

The Committee visited the University on August 9-10, 1977 and discussed the proposal with Dr. R.G. Sarien, Dean of the Faculty of Commerce and Director, R.A. Poddar Institute of Management, University of Rajasthan, Jaipur. A copy of the report of the committee is attached (Annexure).\*

The Committee made the following recommendations:

1. The University of Rajasthan may be requested to formulate its proposals in consultations with the colleges affiliated to the University keeping in view the academic strength of the Departments, the gaps in teaching the academic programmes in colleges and type of orientation required for commerce teachers in various colleges.

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2. The Committee suggested that a three-day workshop be organised wherein representatives of colleges and University Departments may exchange views and formulate firm proposals. In these workshops members of the University Grants Commission team for this project may also be invited.
3. The detailed proposals formulated on this workshop alongwith their financial implications may be forwarded to the University Grants Commission.
4. This workshop may be organised in the month of December, 1977 after necessary preparatory work is done by the University Departments. A working paper identifying various issues related to the University Leadership Programme may be prepared by a small committee consisting of the Vice-Chancellor, the Dean of the Faculty, three Heads of the Departments and Professors in the Department and circulated well in advance so that necessary thinking may be done by the participants before they come for the workshop.
5. A seed money of Rs. 10,000/- is recommended for organising this workshop and formulating the modified proposals.

The matter is placed before the Commission for consideration.

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REPORT OF THE U.G.C. VISITING TEAM IN CONNECTION WITH  
THE UNIVERSITY LEADERSHIP PROJECT AT THE FACULTY OF  
COMMERCE, UNIVERSITY OF RAJASTHAN.

The University Grants Commission appointed a Visiting Committee consisting of the following members to examine the U.L.P. proposal (Appendix-I) of the Faculty of Commerce, Rajasthan University.

- 1 Prof. M.V. Pylee  
Director  
School of Management  
Cochin
- 2 Prof. R.S. Nigam  
Professor of Commerce  
Delhi School of Economics  
University of Delhi  
Delhi
- 3 Dr. J.N. Kaul  
Joint Secretary  
U.G.C.  
New Delhi.

The Committee visited the University on August 9-10, 1977 and discussed the proposal with Dr. R.G. Sarien, Dean of the Faculty of Commerce and Director R.A. Poddar, Institute of Management, University of Rajasthan, Jaipur. Dr. Sarien gave the committee a modified version of his proposal sent earlier to the Commission through the University (Appendix-II). The Committee also met the Dean of the Faculty of Commerce and Heads of the three Departments in the Post-Graduate School of Commerce in the University. The Committee also met the Vice-Chancellor, Prof. Om Prakash who presented modified proposals for the consideration of the team and elaborated them along with financial implication. (A copy of the modified proposals and financial implications is enclosed-Appendix-III). The Committee also had discussions with Dr. K.S. Mathur, Professor in the Department of Accountancy and Business Statistics Dr. H.M. Mathur Professor of Commerce, College, Prof. P.L. Chaturvedi, Head of the Department of Business Administration, Government College, Ajmer and Prof. M.L. Agarwal, Principal of Agrawal College, Jaipur.

The Committee was supplied information regarding enrolment of Commerce students in the University Department and affiliated colleges, the number of

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commerce teachers in the University Departments and their qualifications. After considering the various aspects of proposal, the Committee makes the following recommendations:

- 1 The University of Rajasthan should be requested to formulate its proposals in active consultations with the colleges affiliated to the University keeping in view the academic strength of the Departments, the gaps in teaching the academic programmes in colleges and type of orientation required for Commerce teachers in various colleges.
- 2 For this purpose, it is suggested that a three-day workshop be organised wherein representatives of colleges and University Departments may exchange views and formulate firm proposals. It is suggested that in this workshop, members of the U.G.C. Team for this project may also be invited..
- 3 The detailed proposals formulated at their workshop alongwith their financial implications may be immediately forwarded to the U.G.C. for consideration.
- 4 This workshop may be organised in the month of December, 1977 after necessary preparatory work is done by the University Departments. A working paper identifying various issues related to the University Leadership Project may be prepared by a small committee consisting of, the Vice-Chancellor, the Dean of the Faculty, three Heads of the Departments and Professors in the Department and circulated well in advance so that necessary thinking may be done by the participants before they come for the workshop.
- 5 A seed money of Rs. 10,000/- is recommended for organising this workshop and formulating the modified proposals.

The Visiting Team expresses its gratitude to Prof. Om Prakash, the Vice-Chancellor, Prof. R.G.Sarien, Dean of the Faculty of Commerce and other Faculty members and officials of the University for extending all facilities to the team during its visit to Jaipur on 9th and 10th August, 1977.

Sd/-  
(M.V. Pyleo)  
Director

Sd/-  
(R.S. Nigam)  
Professor

Sd/-  
(J.N. Kaul)  
Joint Secretary

Original U.L.P. proposal sent through  
the Rajasthan University

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APPLICATION FORM FOR U.L.P.

SECTION I

Information sheet for University Department

- 1 Name of the Department : Commerce ;  
University: Rajasthan University
- 2 Name of the Project Coordinator proposed: His academic qualifications, teaching & research experience; etc. and other information supporting his nomination as the Coordinator. Dr. R.G. Sarien  
M.A., B.Com., Ph.D.  
I.T.P. (Harvard)  
37 years.
- 3 Has the department conducted refresher courses, etc. in the last three years and participated in any curriculum improvement projects? Please give details. Yes, Two short-term programmes for College Teachers during the last academic session.
- 4 Kindly mention projects or activities undertaken by the department during the past five years for the improvement undergraduate teaching in the subject (A copy of the material produced in this connection may be enclosed). Three workshops for question bank and restructuring of courses.
- 5 Kindly mention the names of teachers who have made special contribution to such programmes and activities (A statement indicating the nature and duration of such activities and names of the colleges assisted under the programme may be enclosed). 30 teachers from affiliated colleges and an equal number from the teaching wing of the University participated.
- 6 Has there been any identifiable and majorable improvement in the curricular programmes of the colleges as a result of assistance provided by the Department? Please mention the indicators. It is much too early to assess the same. However, there are general reports that as a result of the same teaching has improved.



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- 7 Does the department have necessary physical facilities for undertaking this programme? Yes
- 8 How many departments in the affiliated colleges does the University propose to cover during the first phase of the programme which will cover a period of three years.

SECTION II (Statement to be enclosed)

STATEMENT I Proposed COHSIP Projects for the colleges.

Activities proposed

Kindly enclose a statement of activities proposed to be undertaken under the programme, and the additional facilities required for each activity or a group of activities.

- 1 Workshops
- 2 Restructuring of courses
- 3 Question Bank
- 4 Examination Reforms
- 5 Bibliography
- 6 Commerce Museum.

STATEMENT-II:

Expenditure on the affiliated colleges.

1	6 Workshops 2 in a year and seminars.	60,000/-
2	Re-structuring of courses	15,000/-
3	Provision for Question Bank (Rs. 10,000/- per year)	30,000/-
4	Provision for Examination Reforms	15,000/-
5	Provision for Bibliography	15,000/-
6	Nucleus, Libraries at Cluster Centres of Bikaner, Ajmer, Alwar & Kota.	60,000/-
Total:		<u>1,95,000/-</u>

Statement -III

Expenditure in the University Departments.

1	Provision for Research Projects (Rs. 15,000/- each year)	45,000/-
2	Provision for nucleus Library at Jaipur	25,000/-
3	Provision for visiting faculty/ Teacher Fellowships (Rs. 15,000/- per year)	45,000/-
4	Contingencies including Stationery & Postage	30,000/-
		<u>1,45,000/-</u>

STATEMENT IV

Expenditure in affiliated Colleges	1,95,000/-
Expenditure on Commerce Faculty at Jaipur	1,45,000/-
Total...	<u>3,40,000/-</u>

Revised U.L.P. proposal of Dr. R.G. Sarien

PROPOSALS FOR THE CONSIDERATION OF THE VISITING  
TEAM IN CONNECTION WITH THE UNIVERSITY LEADERSHIP  
PROJECT ASSIGNED TO THE FACULTY OF COMMERCE,  
UNIVERSITY OF RAJASTHAN

I FOR COLLEGES

- 1 Faculty Improvement Programmes for college teachers of clusters (already existing at Ajmer, Alwar, Kota, Bikaner and Jaipur) and on subject area basis.
- 2 Strengthening of college libraries in Commerce.
- 3 providing teaching aids like overhead projectors in selected colleges.
- 4 A series of Faculty Development Programmes for college teachers under which they could be sent to well-known University Centres and Institutes of Management for short duration refresher courses.
- 5 Making available reading lists, lecture-synopsis and translated material to college students.
- 6 Provision of adequate funds for study tours by students and participation in various programmes by teaching staff, including payment of honorarium to experts.

II UNIVERSITY DEPARTMENTS

- 1 Strengthening senior faculty in the three areas in the Faculty of Commerce viz. Applied Economics (Economic administration & financial Management), Business Administration, and Accountancy and Business Statistics—Two Readerships in each of the three streams i.e. 6 Readerships in all.
- 2 Strengthening of departmental libraries and teaching resources in the Faculty of Commerce.
- 3 Establishment of a Translation Cell in the Faculty for Hindi translation of important reference material i.e. books and journals.

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- 4 Provision of adequate secretarial assistance such as 1 Section Officer, 2 Steno-typists, 1 Clerk and one literatre peon and other anciliary facilities like photo-copy machines, overhead projectors, electronic appliances, Hindi type-writers, stencilli and duplicating equipments etc.
- 5 Provision of adequate funds for payment of honorarium to experts and meeting travel, board and lodging expenditure for study tours, etc.

Alternative U.L.P. proposal of the Vice-Chancellor, Rajasthan University.

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University of Rajasthan, Jaipur

University Leadership Project in Commerce

Estimate of Financial Implications spread over a period of three years

The purpose of University Leadership Project is to accelerate the development of the subject, capabilities of predominantly under-graduate institutions and to initiate a process of continuous self-renewal. In order to improve the range of undergraduate education in the subject, the aim of the ULP is to have the beneficial effects on teachers and students, subject matter, methods of instructions, syllabi, curriculum, individual courses, facilities, equipment, library and teaching materials. The University at present has nearly 60 colleges in Commerce affiliated to it.

Financial Estimate (for three years):

For Colleges (Dividend into Five Clusters)

1	Workshop and visual aids	Rs.	75,000/-
2	Strengthening of Colleges Libraries	Rs.	75,000/-
3	Deputation of teachers to other institutions and inviting visiting teachers.	Rs.	25,000/-
4	University College teachers and students contact programmes.	Rs.	25,000/-
5	Teacher Fellowships and supporting staff.	Rs.	50,000/-
6	Academic staff on Advisory services.	Rs.	50,000/-
7	Development work relating to restructuring and curriculum materials etc.	Rs.	50,000/-

Rs. 3,50,000/-

(77)

For University Departments (to help Collegos)

1	Strengthening of senior Faculty Provision for 6 Readerships two in each of the three streams of Commerce.	Rs.	3,00,000/-	(for 3 years)
2	Strengthening of Departmental Libraries	Rs.	1,50,000/-	
3	Establishment of Translation Cell for Hindi translation of important materials.	Rs.	1,00,000/-	
4	Secretarial Assistance	Rs.	50,000/-	
5	Office equipment & appliances	Rs.	25,000/-	
6	Support for individual Projects	Rs.	25,000/-	
7	Payment of Honorarium to Visiting Experts, travel expenses, boarding and lodging expenses, students tours etc.	Rs.	1,00,000/-	

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Rs. 10,00,000/-

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Confidential

UNIVERSITY GRANTS COMMISSION

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Meeting :  
Dated : 17th October, 1977

Item No.14: To consider the recommendations of the Fifth Plan Visiting Committee for Engineering and Technology, University of Jodhpur.

. . . .

The University Grants Commission appointed a Visiting Committee to examine the Fifth Plan proposals and assess the requirements for the development of engineering and technology at the University of Jodhpur. The Committee consisted of the following:-

1. Prof. T. Ramamurthy  
Department of Civil Engineering  
I.I.T., New Delhi.
2. Prof. B.C. Nakra,  
Department of Mechanical Engineering,  
I.I.T., New Delhi.
3. Prof. M.R. Panchal  
Department of Electrical Engineering,  
M.S. University of Baroda,  
Baroda.
4. Prof. R.D. Singh  
Department of Mining Engineering,  
Indian School of Mines,  
Dhanbad.
5. Dr. S.P. Gupta  
Deputy Secretary,  
University Grants Commission.

The Committee visited the Jodhpur University on 24th-25th August, 1977 and held discussions with the Vice-Chancellor, Dean of the Faculty of Engineering and members of the staff. The Committee went round the campus and saw the facilities available in the library, laboratory etc.

contd..

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Background Information:

The faculty of Engineering was established as MBM Engineering College by the Government of Rajasthan in 1951. Initially a three-year degree course leading to B.E. in Civil Engineering and two year diploma course in Civil Engineering were offered at this institution for an intake of 35 students in each course. In 1957 an additional B. Course in mining was started on the recommendations of the All India Council for technical education. In 1958 degree course in Mechanical and Electrical Engineering was also started. The annual intake for these courses is 250 (90 civil, 60 mechanical, 60 electrical and 40 mining). With the establishment of the University of Jodhpur in 1962 the MBM Engineering College became a constituent faculty of the new University. The University started part-time postgraduate courses in civil, electrical, mechanical and mining engineering from 1966. These courses enabled the staff members to attain Master's Degree in Engineering in their respective branches. Full-time M.E. Courses were started in 1968 with an annual intake of 5 students in structural engineering, soil engineering, electrical engineering (power and control systems and mechanical engineering (heat power engineering)).

The main observations of the Committee are as under:-

1. The staff should undertake more research and project activities and industrial consultancy. They may send projects for financial assistance to University Grants Commission, C.S.I.R., Deptt. of Energy, Deptt. of Science and Technology etc. which will help them to keep abreast of modern development in various disciplines. It is expected that senior staff members would contribute papers on R & D work in reputed journals in a greater measure.
2. The faculty should give short-term courses and seminars for the benefit of working engineers in fields and industries. This should be done on a regular basis.
3. The Committee was happy to see that the existing labs and central facilities are put to proper use and are generally well maintained.

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(80)

4. The Committee recommends that the number of postgraduate scholarships be increased and allocated as follows:-

i) Civil Engineering including Desert Technology.	15
ii) Structural Engineering	5
iii) Electrical Engineering	10
iv) Mechanical Engineering	15
v) Mining Engineering	5
Total	<u>50</u>

5. The Committee feels that the contact hours of students is presently on the high side. This should be reduced to about 30 hours per week so that there is more spare-time available for self study etc.

Financial implications of the recommendations of the Visiting Committee are given as under:-

Spillover and Basic grants	Rs. 9.0 lakhs	Visiting Professorship	<u>Lakhs</u> 0.50
Equipment	Rs. 18.0 "	Research Fellowship	2.00
Books and Journals	Rs. 0.50 "	PG scholarship	50x2
Working expenses	Rs. 0.40 "	Seminars etc.	0.10
Staff	Rs. 3.00 "		
Others	Rs. 0.10 "		
	<u>Rs. 31.00 lakh</u>		

The Fifth Plan allocation for Engineering and Technology at Jodhpur University is Rs.30 lakhs. The Report of the Visiting Committee is given as Annexure.\*

The matter is placed before the Commission for consideration.

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Annexure I to Item No.14

Report of the Fifth Plan Visiting Committee for  
Engineering and Technology, University of Jodhpur. (81)

. . .

The University Grants Commission appointed a Visiting Committee to examine the Fifth Plan proposals and assess the requirements for the development of Engineering and Technology at the University of Jodhpur. The Committee consisted of the following:-

1. Professor T. Ramamurthy,  
Department of Civil Engineering,  
I.I. T., New Delhi.
2. Professor B.C. Nakra  
Department of Mechanical Engineering,  
I.I.T, New Delhi.
3. Professor M.R. Panchal,  
Department of Electrical Engineering,  
M.S. University of Baroda,  
Baroda.
4. Professor R.D. Singh,  
Department of Mining,  
Indian School of Mines,  
Dhanbad.
5. Dr. S.P. Gupta,  
Deputy Secretary,  
University Grants Commission.

The Committee visited the Jodhpur University on 24th-25th August, 1977 and held discussions with the Vice-Chancellor, Dean of the Faculty of Engineering and members of the staff. The Committee went round the campus and saw the facilities available in the library, laboratory etc.

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### Background Information:

The faculty of engineering was established as MBM Engineering College by the Government of Rajasthan in 1951. Initially a three year- degree course leading to B.E. in Civil Engineering and two-year diploma course in Civil Engineering were offered at this institution for an intake of 35 students in each course. In 1957 an additional B.E. Course in mining was started on the recommendations of the All India Council for technical education. In 1958 degree course in Mechanical and Electrical Engineering was also started. The annual intake for these courses is 250 (90 civil, 60 mechanical, 60 electrical and 40 mining) with the establishment of the University of Jodhpur in 1962 the MBM Engineering College became a constituent faculty of the new University. The University started part-time postgraduate courses in civil, technical, mechanical and mining engineering from 1966. These courses enabled the staff members to attain Master's Degree in Engineering in their respective branches. Full-time M.E. Courses were started in 1968 with an annual intake of 5 students in structural engineering, soil engineering, electrical engineering (power and control systems) and mechanical engineering (heat power engineering).

### Fifth Plan proposals.

Fifth Plan proposals for the development of the faculty of engineering comprise:

- (a) consolidation and modernisation of the existing undergraduate courses.
- (b) starting of 2 undergraduate courses one in electronics and communication engineering and the other in chemical engineering.
- (c) diversification in the department of mechanical engineering involving starting a new course in production and industrial engineering is also contemplated.
- (d) establishment of a department of computer technology.
- (e) starting new ME courses and postgraduate diploma courses.

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The Fifth Plan allocation for the faculty of engineering Jodhpur University amounts to Rs.30 lakhs. Basic and development grants for equipment and books and journals amounting to Rs.4.37 lakhs/respectively have been approved.

Observations and Recommendations.

1. The staff should undertake more research and project activities and industrial consultancy. They may send projects for financial assistance to University Grants Commission, C.S.I.R. Department of Energy, Department of Science and Technology etc. which will help them to keep abreast of modern developments in various disciplines. It is expected that senior staff members would contribute papers on R & D work in reputed journals in a greater measure.

2. The faculty should give shortterm courses and seminars for the benefit of working engineers in the fields and industries. This should be done on a regular basis.

3. The Committee was happy to see that the existing labs. and central facilities are put to proper use and are generally well-maintained.

4. The Committee recommends that the number of post-graduate scholarships be increased and allocated as follows:-

i)	Civil Engineering including	15
ii)	Desert Technology	
	Structural Engineering	5
iii)	Electrical Engineering	10
iv)	Mechanical Engineering	15
v)	Mining Engineering	<u>5</u>
	Total	<u>50</u>

5. The Committee feels that the contact hours of students is presently on the high side. This should be reduced to about 30 hours per week so that there is more spare time available for selfstudy etc.

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## Departments of Civil Engineering and Structural Engineering.

The Visiting Committee had discussions with the Heads of departments of Engineering along with their Dean. After formulating guidelines, the members of the Visiting Committee went round the department to physically ascertain the existing laboratories facilities for teaching of undergraduate and postgraduates. Later, the Visiting Committee member connected with Civil Engineering and Structural Engineering department met the faculty and discussed with them the various problems concerned with the consolidation of undergraduate programmes and postgraduate programmes and also the direction of research. Separate discussions were also held with the senior faculty members.

### Undergraduate Programme:

The Civil and Structural Engineering departments are fully involved in teaching not only to Civil Engineering students but also teaching of Engineering Mechanics, Surveying and drawing to the students of other disciplines of Engineering. These two departments produce about 50% of the undergraduate students in Civil Engineering. The tendency of the students is to migrate to Civil Engineering at the end of second year because of large number of job potentials in the Civil Engineering industry in the State.

The average load of the teachers is large because of the heavy involvement in undergraduate teaching. For the undergraduate students the contact is about 36 hours per week. By reorganising the curriculum, the departments should have contact not more than 30 hours/week. This will considerably reduce the load on the teachers, so that they could involve in research, consultancy and in conducting short-term courses for the field Engineers.

These two departments have adequate laboratory facilities in terms of space and equipment for effective implementation of undergraduate programmes. However, they require some equipment for better exposure of the students and also that of the postgraduate students for more up-to-date techniques.

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Postgraduate Programmes :

The Civil Engineering Department has been conducting postgraduate courses in Soil Mechanics and foundation Engineering and Environmental Engineering. Because of the restriction on the scholarships, the Department has been admitting only two students per year. For effective teaching and to have proper motivation among the students at least 5 scholarships for each of these specialisations should be sanctioned every year. The Civil Engineering Department has also started a diploma course on Desert Technology. This is an important programme which will enable the engineers to tackle some of the problems of the Desert region. This is the only course of its kind in the country and should be encouraged. Another 5 scholarships for this programme should also be provided. A maintenance grant of the order of Rs.10,000/- per year may also be provided for this programme. The Coördinator of this programme has been bringing out the Transactions of Desert Technology twice a year. In order to make this journal more effective a grant of Rs.10,000/- per year should be provided for its publication.

The Environmental Engineering Laboratory is very well engaged. This laboratory is recognized by the State for certifying the water quality. This section has the potential to play a very significant role in the Environmental control of both water and air pollution and also in developing Desert Technology.

Structural Engineering department has been conducting postgraduate programme in Structural Engineering. This department should also be provided with 5 scholarships per year for the consolidation of the postgraduate programme.

The Faculty :

The faculty of both Civil and Structural Engineering departments have been active. Both the departments together have produced more than 12 text books for the use of undergraduate students. This is commendable. On research side they have been comparatively poorer mainly because of the freeze on the scholarships for postgraduate programmes. In the Civil Engineering Department two Ph.D. theses have been accepted and two have been submitted. In the Structural Engineering Department one Ph.D. thesis has been submitted. In brief the faculty has been very busy essentially in teaching undergraduate students and writing books.

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### Reorganisation of the Departments:

At present Transportation course is taught by the Structure Department. The Structure Department should concentrate on the teaching and research in Engineering Mechanics and Structural Mechanics and Design of Structures. The Transportation teaching should be transferred to Civil Engineering Department which is already teaching other subjects of Civil Engineering, namely, Soil Mechanics and Foundation Engineering, Environmental Engineering, Irrigation, Surveying, Civil Engineering Drawing etc. This arrangement will enable Transportation Engineering to develop alongwith other activities of the Civil Engineering. The concerned staff and the laboratory should be attached to the Civil Engineering Department.

### Supporting Staff:

There is a category of demonstrators in the departments of Civil and Structural Engineering. They are diploma holders; some of them have served for more than 15 years. They made a representation to the Visiting Committee member. It is suggested that there are avenues opened for the demonstrators to complete graduation on the part-time basis. Already 3 people in the Engineering Colleges have availed this facility. They should be encouraged to make use of this facility to improve their future in the teaching activities of the department.

### Recommendations:

On the basis of the document submitted by the two departments and discussions held with the faculty members after Visiting the various laboratories of the department the following recommendations are made in terms of scholarship, faculty and financial assistance:

#### 1. Scholarships

- i) 15 scholarships to be provided per year to Civil Engineering Department to run postgraduate programmes in Soil Mechanics and Foundation Engineering, Environmental Engineering and Desert Technology (5 ea

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(ii) 5 scholarships per year should be provided to Structural Engineering Department for continuing the postgraduate programmes in Structural Engineering.

2. Faculty:

With the reduction of the contact hours and with the following additional staff the departments will have adequate staff to meet the requirements of undergraduate and postgraduate teaching.

- i) One Professor in Environmental Engineering. )
  - ii) One Reader in Soil and Desert Technology. )
  - iii) One Reader in Reinforced Concrete Technology )
- For Civil Engineering Department.
- For Structural Engineering Department.

3. Equipment:

i) Civil Engineering Department:

For purchase of equipment for irrigation Engineering Laboratory, Environmental Engineering Laboratory and Soil Engineering Laboratory. Rs. 2.00 lakhs

ii) Structural Engineering:

For M.E. Programmes purchase of pulsator for testing cylinders and digital strain gauge bridges. Rs. 2.00 lakhs

Miscellaneous:

- i) Maintenance expenditure for Desert Technology programme. Rs. 0.10 lakhs
- ii) For bringing out Transactions of Desert Technology - annual grant. Rs. 0.10 lakhs.

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Department of Electrical Engineering.

The Department of Electrical Engineering offers the following courses :-

The degree programmes of B.E. Electrical, M.E. Electrical and B.E. Electronics and Communication Engineering. The staff position is :

Professors	2
Readers	5
Lecturers.	9

The staff of the department are engaged in teaching and research. This department offers the following specialisations in the M.E. Programmes, M.E. Electrical (Control) and M.E. Electrical (Power System). The Committee is of the view that department should offer a broad M.E. Programme in Electrical Engineering with a number of special electives to choose from. In addition to the full-time 2-year M.E. Degree course, the department may continue to give the part-time 3-year M.E. Degree course. The intake at the full-time M.E. Electrical should be raised to 10.

The staff members published one research paper in 1972, two papers in 1976-77, produced one Ph.D. in 1972 and 3 candidates are registered for Ph.D. in 1975-76 a short-term course on "Recent Advances in Power System" was run by the department of Electrical Engineering.

The degree course in Electronics and Communication Engineering was started in 1972 and 2 batches have come out and the third batch is about to pass out. This Course is common with Electrical Engineering upto B.E. III year. The intake in Electrical Engineering course is 40 and in the electronics course 20. The Committee is of the view that the degree course in electronics may be continued to be given by the department of Electrical Engineering. If a separate department of Electronics and Communication is started, there may be duplication of equipment, staff and other facilities. Moreover the chances of interaction will be reduced and also the inter-disciplinary areas may be left out. The Committee recommends one Professor and 2 Readers in areas of Electronics and Communication Engineering, Rs.7 lakhs for the quipment, one senior technicain and 2 technicains and Rs. 6 thousand per annum for working expenditure for Electrical Engineering Depart

contd.

## DEPARTMENT OF MECHANICAL ENGINEERING

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The department has sanctioned faculty of two professors, 5 readers and 13 lecturers. One professor is against undergraduate programme and second professor is against postgraduate programme. It so happens that both the professors are from Thermal Engineering area. At present three readers are in position and two posts are vacant. The Mechanical Engineering department normally consists of three broad areas which need almost equitable development for a balanced curriculum at undergraduate levels:

1. Production and Industrial Engineering
2. Thermal Engineering
3. Mechanical Design and Analysis

In the above department a large number of faculty is in the Thermal area. A reasonable number of faculty is in Industrial and Production Area while the number of faculty in area of Mechanical Design is very few. Therefore, the Department should strengthen the Design Area for an overall balanced growth of the department. For this reason a senior position is recommended in this area.

The department is running B.Sc. Engg. in Mechanical Engineering, a regular M.E. in Thermal Engineering and a part-time M.E. in Production and Industrial Engineering. So far over 15 M.Es. have been awarded and presently an almost equal number is working for their M.E.

Laboratories in Thermal and Production Engineering are fairly well equipped for undergraduate/and postgraduate work. However, they lack modern instrumentation which is recommended for advanced work. Basic transducers and recording equipment and electronic instruments are lacking and the department is advised to procure the same during the current Five Year Plan.

### DEPARTMENTAL PROPOSALS:

For consideration of the Visiting Committee, the department has put the following proposals:

1. Regular M.E. Mechanical programme in Production and Industrial areas.
2. Increased scholarships for existing M.E. programme in Thermal Engineering from six to ten.
3. Following senior faculty positions for consolidation of their undergraduate and postgraduate

(90)

programmes:

Professor Production Engineering	1
Professor Industrial Engineering	1
Professor Mechanical Design	1
Reader Production Engineering	1
Reader Industrial Engineering	1

The department has also asked for a sum of Rs.5 lakhs to meet departmental needs for additional instrumentation and equipment.

The department has also proposed a B.Tech. programme in Production and Industrial Engineering with separate intake.

RECOMMENDATIONS:

Keeping in view the financial constraints intimated by the University Grants Commission, the following recommendations are made:

1. Regular M.E. Mechanical programme in Production Engineering may be started since the department has a good base and already 15 part-time students are doing their M.E. in Production and Industrial Engineering.
2. The total number of scholarships for M.E. may be fifteen (15) and may be left to the department to distribute between the two programmes in Thermal and Production.
3. Two Research Fellows may be provided for Research activity.
4. A sum of Rs.3 lakhs may be sanctioned for equipment during the remaining 1½ years of the current Plan. This may be used for purchasing instrumentation and other equipment for research work.
5. The following senior positions are recommended for overall balanced growth of the department and for the proposed M.E. programme in Production Engineering:

1 Professor	Production Engineering
1 Reader	Production Engineering
1 Reader	Mechanical Design
6. The department is advised to send proposals for funds to outside agencies like C.S.I.R., Defence, D.S.T. etc. and to advance its research publications.

p.t.o.

activity and industrial collaboration activity by way of short-term courses and industrial consultancy projects.

- 7. The question of separate B.Tech. in Production and Industrial Engineering may be taken in the next Five Years Plan after a thorough survey has been made about the employment potential. Since this requires a separate intake, the matter has to be considered both by State Government and the UGC.
- 8. It has been accepted that the number of senior positions in the department should be increased. At present the number of lecturers is very high as compared to number of Readers and Professors. Since the position is not similar in other Regional Colleges and certain other universities, their demand for senior additional posts is very much justified.

DEPARTMENT OF MINING ENGINEERING

Department of Mining Engineering was established in the year 1957 and the first batch of students came out in the year 1961. The present intake is 25 students per year. During the past 20 years of its existence the Department has offered instructions mainly for the first degree in mining. The graduates of the Department have done extremely well in the industry. They have also topped the list of successful candidates at the various competency examinations held by the Board of Mining Examinations under the Ministry of Labour and Employment. They are employed in various Public Sector Undertakings, Government Departments/Institutions, etc. A large number of students are attracted to local metalliferous mines at Zawar and Khetri, RIMDC, State Government of Rajasthan, etc.

This institution is located in metalliferous mining area. Big underground metalliferous mines are projected e.g. lead and Zinc mine at Zawar and copper mine at Khetri and also many smaller mines of different minerals. There are many mines operated by Rajasthan Mineral Development Corporation producing Gypsum fluorite, granite, marble, bentonite, etc. Looking to the needs of this region it is clear that greater emphasis should be laid on the development of metalliferous mining discipline at this Institution not only to train students for the first degree but also the department should be developed to undertake post-graduate researches/consultancy, etc.

The Department has 8 sanctioned teaching posts of which 6 have been filled up. 4 members of the staff

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hold postgraduate degrees. However, the present staff structure is highly deficient in the specialisation of metalliferous mining and there is an urgent need to provide sufficient input in this area so that the Department can meet the immediate needs of the development metalliferous mining discipline. To fill this gap the following posts are recommended:

1. Professor - one (Metalliferous Mining)
2. Reader - one (Opencast Mining)

#### Equipment

It would appear that for over a decade or so no equipment has been added to the laboratory and for the consolidation of the existing course itself a considerable sum of money will be needed. However, for the remaining part of Fifth Five Year Plan a sum of Rs.3,00,000/- is recommended.

#### Library

Library section of the Mining Branch presents a very poor picture and a sum of Rs.50,000/- is recommended to bring it to some shape.

#### New Course

As would be clear from the first paragraph there is a clear need to develop the post-graduate activities in metalliferous mining area. The department has provision to read for post-graduate degree on part time basis and two members of the teaching staff qualified for the award of postgraduate degree of the University of Jodhpur under this scheme. It is recommended that a modest beginning be made with 5 students to start the postgraduate degree in mining for specialisation in metalliferous mining. The department should offer short courses for the benefit of the practising mining engineers in the area of metalliferous mining, mineral economics, opencast mining, etc. The staff recommended for consolidation of the first degree course will also take post-graduate classes and also classes for short courses. The additional requirement will be as follows:

1. Reader - One (Metalliferous Mining Machinery)
2. Scholarship for 5 students.
3. Senior Technicians - 2
4. Running expenses - Rs.10,000/-

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SUMMARY

A summary of the requirement is as below:

Consolidation of existing courses:

Staff

Professor - 1 (Metalliferous Mining)  
Reader - 1 (Metalliferous Mining Machinery)

Library

Rs.50,000/-

Equipment

Rs.3,00,000/-

Newer Course

1. Reader - 1 (Metalliferous mining Machinery)
2. Scholarship 5 students per year.
3. S.T.A. - 2
4. Running Expenses - Rs.10,000/-

A consolidated statement of the V Plan allocations for various programmes of the Faculty of Engineering is given as Appendix-I. The Committee places on record its sincere thanks to the Vice-Chancellor, Dean, Heads of Departments and other members of the staff for their help and cooperation in the work of the Committee.

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JODHPUR UNIVERSITY - V PLAN ALLOCATION FOR ENGINEERING  
AND TECHNOLOGY

APPENDIX I

(94)

Department	Staff	Equipment	Books & Journals	Working Expenses	Others
1. Civil	1 Professor (Environmental Engg.) 1 Reader (Desert Tech.)	2.0	-	0.10	0.10 (Publi- cation of journal in Desert Tech.)
2. Structures	1 Reader (Concrete Tech.)	2.0	-	-	-
3. Mechanical	1 Professor (Production Engg.) 1 Reader (-do- ) 1 Reader (Machine Design )	3.0	-	0.10	2 Research Fellowships
4. Electrical	1 Professor (Electronics & Communication) 2 Readers (-do- ) 3. Technician	7.0	-	0.10	-
5. Mining	1 Professor (Metalliferous) 1 Reader (Open cast) 1 Reader (Mining Machinery) 2 Technicians	3.0	0.50	0.10	-
6. Computer Centre	-	1.0	-	-	-

Summary

Spillover	-	Rs. 9.0 lakh	)	Visiting Professorship	- 0.50 lakh
& Basic grants	-	Rs. 18.0	)	Research Fellowship	- 2
Equipment	-	Rs. 0.50	)	PG Scholarship	- 50x2
Books & Journals	-	Rs. 0.40	)	Seminars etc.	- 0.10 lakh
Working expenses	-	Rs. 3.00	)		
Staff	-	Rs. 0.10	)		
Others	-	Rs. 31.00 lakh	)		

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UNIVERSITY GRANTS COMMISSION

(95)

Meeting:  
Dated : 17-10-1977

Item No. 15 : To consider the report of the Visiting Committee appointed to assess the development proposals of AC College of Technology and School of Architecture and Planning, Madras University during the fifth five year plan

To assess the proposals received from Madras University for the development of AC College of Technology and School of Architecture and Planning; during the fifth five year plan period, the Commission appointed a visiting committee consisting of the following:-

1. Prof. M Raja Rao,  
Department of Chemical Engineering,  
Indian Institute of Technology,  
Bombay.
2. Prof. SK Saraf,  
Department of Chemical Engineering,  
University of Roorkee,  
Roorkee.
3. Prof. Dipak Do,  
Department of Textile Technology,  
Faculty of Technology and Engineering,  
MS University, Baroda.
4. Prof. GSH Jhabwala,  
Department of Architecture,  
School of Planning and Architecture,  
New Delhi.
5. Prof. RK Sahu,  
Department of Architecture,  
University of Roorkee,  
Roorkee.

The Committee visited the Madras University on 18th-19th July, 1977. Prof. Jhabwala could not join the Committee.

In June, 1976, the Commission requested the Madras University to send proposals for the development of AC College of Technology and the School of Architecture and Planning, during the fifth five year plan period to the extent of Rs.60 lakhs i.e. 75% under first priority and 25% under second priority. The



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University submitted proposals worth Rs.100 lakhs which were revised at the time of the visit of the Committee so as to keep within the ceiling of Rs.60 lakhs indicated by the Commission. These proposals were examined by the visiting committee after going round the AC College of Technology and the school of Architecture and Planning; their laboratories, workshops, library and hostels and discussions with the Director, AC College of Technology, Director, School of Architecture and Planning and other faculty members. The committee also met the Registrar and the Vice-Chancellor, Madras University before finalising its recommendations.

\*p 98-110

A copy of the report of the Visiting committee is enclosed as Annexure.\*

The main recommendations and observations of the committee are as follows:-

1. There is a constant fear amongst the faculty of the AC College and the school of "rchitecture and Town Planning that with the establishment of new University of Science and Technology in Tamil Nadu, the AC College and the School of Architecture and Town Planning may be disaffiliated from the Madras University and affiliated with the new university. This fear is based on the fact that the budget of the two institutions is reported to be allocated at present for a period of three months only at a time.
2. The revised UGC scales have not yet been fully implemented in Tamil Nadu.
3. A number of posts are lying vacant for three to four years with the result that teaching load of the existing staff members has gone up and efforts towards Faculty Improvement Programmes have been slowed down.
4. An additional accommodation over an area of 7500 sq. ft. constructed for the AC College of Technology and at present being used by the department of Physics should be restored to AC College of Technology.
5. Allocations for repair/replacement of equipment and books and journals in the maintenance budget of the University is somewhat low and therefore some essential facilities in the Departments are lacking.
6. More than 90% of the staff members at the senior level are from the departments themselves.
7. While filling in the existing vacancies and the new vacancies, care should be taken to avoid inbreeding as far as possible as this chokes up the working of a department. Advertisements in all the major national newspapers may help this regard.

- 8. Paucity of research fellowships at the post M.Sc. Tech. level has handicapped the research contribution of the departments.
- 9. The Textile Technology Department should diversify its activities by adding new specialisations like Yarn Production, Fibre Technology etc.
- 10. More copies of the text books should be purchased and loaned to the students on full term basis.
- 11. The Teacher Fellowship Scheme introduced by the UGC should be extended to the teachers of Engineering and Technology.

Financial recommendations of the visiting committee are as follows :

	<u>Ist Priority</u>	<u>IIInd Priority</u>
	Rs.	Rs.
1. Department of Chemical Engineering	14,07,000/-	6,90,000/-
2. Department of Textile Technology	7,39,000/-	2,37,000/-
3. Department of Architecture and Town Planning	7,58,000/-	1,29,000/-
4. General (Hostel for Women students)	1,50,000/-	-
Total:	<u>30,54,000/-</u>	<u>10,56,000/-</u>

The report of the visiting committee is placed before the commission for consideration.

AS(SA) / DS(CE)

Report of the Visiting Committee on 5th plan  
proposals of AC College of Technology and School  
of Architecture and Planning, University of Madras

To assess the proposals received from Madras University for the development of AC College of Technology and School of Architecture and Planning during the fifth five year plan period, the University Grants Commission appointed a Visiting Committee consisting of the following:-

1. Prof. M Raja Rao,  
Department of Chemical Engineering,  
Indian Institute of Technology,  
Bombay.
2. Prof. SK Saraf,  
Department of Chemical Engineering,  
University of Roorkee,  
Roorkee.
3. Prof. Dipak De,  
Department of Textile Technology,  
Faculty of Technology and Engineering,  
MS University, Baroda.
4. Prof. GSH Jhabwala,  
Department of Architecture,  
School of Planning and Architecture,  
New Delhi.
5. Prof. RK Sahu,  
Department of Architecture,  
University of Roorkee,  
Roorkee.
6. Shri BR Kwatra,  
Assistant Secretary,  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi.

The Committee visited the Madras University on 18-19th July, 1977. Prof. Jhabwala could not join the committee.

The members of the committee had discussions with the Director, and staff members of the AC College of Technology and the School of Architecture and Planning, went round the laboratories, workshops, library and hostels. The committee also met a cross-section of students of the AC College as well as the School of Architecture and Planning. The Madras University had originally

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more

sent proposals worth/than Rs.100 lakhs as against the ceiling of Rs.60 lakhs suggested by the Commission. However, at the time of the visit of the visiting committee, the university submitted revised proposals which were more or less within the ceiling suggested by the Commission and framed in accordance with the guidelines laid down by the Commission. The revised proposals were examined by the committee in detail. The committee also had discussions with the Vice-Chancellor and the Registrar, Madras University after examining the revised proposals.

A statement showing grants sanctioned and paid during the fourth five year plan, the spill-over to fifth plan, and grants sanctioned and paid during fifth plan is enclosed as Annexure.

The Alagappa Chettiar College of Technology was started in 1944 by the University of Madras as a teaching and research institution in several fields of technology. A two-year degree course leading to B.Sc.(Tech.) in Chemical Engineering was the first course to be instituted. In 1945 similar courses in Textile Technology and Leather Technology were introduced. The main College building and the Textile Technology block were completed in 1950 and from that year, all the departments of the College have been functioning in the new buildings. The Leather Technology students, however, have been receiving their training in their special subjects at the Central Leather Research Institute from its very inception. The Campus has since then been enlarged to include, besides the three departments of the AC College of Technology, the University Departments of Organic Chemistry, Biochemistry, Physical Chemistry, Inorganic Chemistry, Analytical Chemistry, Geology, Geophysics, School of Architecture and the Centre of Advanced Study in Physics. In 1957, the two year post B.Sc. Courses in Technology were converted to four year degree courses open to students passing the pre-technology examination. The pre-technology course was also started simultaneously in the college. In 1961 these courses were integrated into Five Year degree courses leading to the B.Tech. degree in Chemical Engineering, Textile Technology or Leather Technology.

A post-graduate M.Tech. degree course of 2 years duration in Chemical Engineering, was introduced in 1962 with an intake of 10 students, in which the students have to appear for written examination at the end of the first year and second year and submit a thesis embodying the results of their original investigations on a research problem, at the end of the second year. Similar courses were started in Textile Technology and Leather Technology in 1963, with an intake of 5 students in each branch. The intake of students in Chemical Engineering was raised from 10 to 15 in 1968.

Approximately 30% of the number of seats available for the B.Tech. degree course is allotted to students belonging to States other than Tamil Nadu according to the quota fixed by the Government of India. About 49% of the seats are reserved for Scheduled Castes, Scheduled Tribes and backward classes.

The intake of students to the B.Tech. Degree course was raised from 30 to 60 in Chemical Engineering, in 1961, from 12 to 20 in Textile Technology in 1962 and further raised to 30 in the year 1965.

Prior to the introduction of the M.Tech. course, the post-graduate activity consisted of research work leading to M.Sc. in Technology as the first research degree, and to Ph.D. thereafter. After the introduction of M.Tech. course, the M.Sc. by research has been abolished. In the present set up, all M.Tech. students have to do research for two years and submit a thesis at the end of the course. Research at Ph.D. level continues as before.

The Courses offered with duration, subject-wise, both at the Undergraduate and Post-graduate level:

(a) Undergraduate level

B.Tech. degree course of 5 years duration. Admission open to students who have passed the PUC examination or an equivalent examination. These courses are offered in the three subjects viz. Chemical Engineering, Textile Technology and Leather Technology.

(b) Post-Graduate Level:

2 year M.Tech. degree course. Admission open to B.Tech. degree holders. These courses are offered in three subjects viz., Chemical Engineering, Textile Technology and Leather Technology.

The actual enrolment and out-turn of students during the last three years was as follows:-

- 1. Admission year-wise for the last three years (separately for undergraduate and postgraduate);

	<u>UNDERGRADUATE</u>			<u>POSTGRADUATE</u>		
	<u>73-74</u>	<u>74-75</u>	<u>75-76</u>	<u>73-74</u>	<u>74-75</u>	<u>75-76</u>
Chemical Engineering	77	66	55	15	15	15
Textile Technology	30	30	40	4	4	6
Leather Technology	21	25	20	2	6	5

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2. Out-turn for the last three years (separately for Undergraduate and Postgraduate):

	<u>Undergraduate</u>			<u>Postgraduate</u>		
	<u>73-74</u>	<u>74-75</u>	<u>75-76</u>	<u>73-74</u>	<u>74-75</u>	<u>75-76</u>
Chemical Engineering	66	62	57	13	12	9
Textile Technology:	28	31	11	4	4	4
Leather Technology	5	7	10	4	4	

At the research level, the Department of Chemical Engineering produced 4 Ph.Ds in Chemical Engineering during the last three years. At present, 9 students in Chemical Engineering and 4 in Textile Technology are registered for Ph.D.

The AC College of Technology has a faculty strength of 38 (7 Professors, 11 Readers and 20 Lecturers and others) for Chemical Engineering and 2 Professors, 4 Readers and 5 others in Textile Technology. The above staff includes some junior positions for Leather Technology also. The committee was informed that the students of Leather Technology are given instructions in the AC College for first three years and then in the Central Leather Research Institute, Madras for fourth and fifth year. Since almost the entire facilities for teaching and research in Leather Technology are being provided by the Central Leather Research Institute, the University has neither asked for any assistance nor the Committee has recommended anything for this course.

Research projects going on in the Departments of Chemical Engineering and Textile Technology are as follows:-

Department of Chemical Engineering:

<u>Title of Scheme/Project</u>	<u>Financing Agency</u>
1. Axial Mixing in Rotary Disc Contractor	CSIR
2. Heat Transfer Across Liquid Interface	UGC
3. Studies in Agitated Vessels	UGC
4. Studies in field induced process	UGC

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Department of Textile Technology:

1. Designing and developing an Air-Vister System for producing core-spun yarn,
2. System analysis as applied to the Textile Industry.

The major areas of research and the proposed thrust to be given during the next five years are :-

Department of Chemical Engineering:

1. Biochemical Engineering
2. Space Science and Environmental Engineering.
3. Industrial Modelling and Technological Forecasting
4. Technology and Polymers and petrochemicals.
5. Technology of Oils and Fats.
6. Chemical Reaction Engineering.

Department of Textile Technology:

Undergraduate Programme

1. Textile Chemistry
2. Man-made Fibres.

Post-Graduate Programme

1. Textile physics only.

The Department of Chemical Engineering has made rapid progress under the dynamic leadership of Dr. GS Ladha, Director, AC College of Technology. Dr. Ladha and his co-workers have made a significant contribution in the field of mass transfer with special reference to Liquid-Liquid systems. It is further felt that the Department at present does not have enough expertise to teach undergraduate and post-graduate courses in the area of Reaction Engineering, equipment and design, process dynamics and control and mathematical modelling and simulation of chemical process. The AC College also has a faculty in English, Basic Sciences (Mathematics, Physics and Chemistry) as well as in Mechanical and Electrical Engineering to teach core courses in these areas to the undergraduate and postgraduate students in Chemical Engineering, Textile Technology and Leather Technology. In order to avoid frustration, it seems desirable that some avenues of academic progress are also available to teachers in these supporting areas. The committee also feels that the A.C. College should concentrate more on making it a Centre of excellence rather than expanding too many areas of research. For strengthening of the available facilities and consolidation of existing programmes, the Committee recommends the following assistance:

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1. Department of Chemical Engineering:

	<u>Ist Priority</u>	<u>IInd Priority</u>
<u>Non-Recurring:</u>		
1. Buildings-Seminar room including furniture	Rs. 75,000/-	-
2. Equipment	Rs. 9,50,000/-	Rs. 5,50,000/-
3. Library Books and Journals	Rs. 1,50,000/-	Rs. 25,000/-
4. Staff:		
(i) Prof. - 1 in App. Maths.		
(ii) Readers -2 1 in Chem. Engg. (Process Dynamics & Control or equipment design or Reaction Engineering and one in Electrical Engg. or Electronics)		R-3 (one in Chemical Technology - Process, Modelling & Simulation or Petroleum or Petro-chemical or Polymer or Oils & Fat Reaction Engg., and one in History of Science & Technology
and Instrumentation	Rs. 1,18,000/-	Rs. 1,00,000/-
(iii) Technicians and Supporting Staff:		
1. Tech. Asstt.	1	
2. Mechanic	1	
3. Technician	2	
	Rs. 30,000/-	Rs. 15,000/-
5. 6 Research Fellowships at any given time	Rs. 54,000/-	-
6. Seminars-Symposia to be organised in the Department and also to enable staff members to participate in Symposia/Seminars at other places	Rs. 30,000/-	-
<b>TOTAL:</b>	<b>Rs. 14,07,000/-</b>	<b>Rs. 6,90,000/-</b>

The Department has also asked for additional accommodation for laboratory facilities to cope with the increased research work of the Department. The Committee feels that the laboratory space built out of the assistance provided by the UGC during fourth plan which has been temporarily given to science departments may be restored to the Department of Chemical Engineering. This would meet the additional requirements of laboratory accommodation of the Department of Chemical Engineering.



2. Department of Textile Technology:

The Department of Textile Technology, AC College of Technology, Madras is one of the oldest institutions in South India imparting training in Textile Technology and as such has its own traditions. However, with so many specialisations within the broad field of Textile Technology available today, the Department has not diversified itself. This may be due to some of the posts lying vacant for a long time. The factor of posts remaining vacant for a long time also appears to have affected the growth of the department to a stage of excellence. Besides additional space for a workshop shed, the department has asked for equipment, books and 2 Readerships. However, the committee feels that instead of 2 Readerships, it would be better to have a Professor in the field of Yarn Production or Man made Fibre Technology and 2 Lecturers in Fabrics and Yarn Geometry. In addition to this, the committee recommends the following assistance for the Department of Textile Technology:

	<u>Ist Priority</u> Rs.	<u>IIInd Priority</u> Rs.
<u>Non-Recurring:</u>		
1. Building (workshop shed)	75,000/-	-
2. Equipment	5,00,000/-	2,00,000/-
3. Library books & Journals	60,000/-	15,000/-
4. Staff:		
(i) Professor	1	
(ii) Lecturer	1	
(iii) Sr. Tech. Asstt.	1	
(iv) Jr. Tech. Asstt.	-	
	69,000/-	22,000/-
<u>Recurring:</u>		
5. 2 Research Fellowships at any given time	25,000/-	-
6. Seminars, conferences etc.	10,000/-	-
TOTAL:	<u>7,39,000/-</u>	<u>2,37,000/-</u>

3. Department of Architecture and Town Planning:

The degree course in Architecture was started at Madras University in the year 1957. The staff provided by the University for this course was 1 professor, 1 reader, 1 studio assistant and 5 part-time teachers. In 1963, the University decided to separate the Department of Architecture from the AC College of Technology and designated it as School of Architecture to be directly under the University. In 1964, the Masters' degree course in Town Planning was also started and the name of the Institution was changed to School of Architecture and Planning. Nine students were admitted to the first batch of the Master's degree course in Planning.

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The enrolment of students and out-turn during the last three years was as follows:-

	<u>1974-75</u>	<u>1975-76</u>	<u>1976-77</u>
Architecture (Undergraduate)	20	19	26
M.T.P. (Post-graduate)	4	9	6

Out-turn for the last three years (separately for undergraduate and post-graduate):

	<u>1974-75</u>	<u>1975-76</u>	<u>1976-77</u>
Architecture (Undergraduate)	14	16	9
MTP (Post-graduate)	4	4	8

The total staff strength and the staff in position as on 1-7-1976 was as follows:

	<u>Sanctioned strength</u>	<u>Actual strength</u>
<u>Architecture:</u>		
Part-time Director	1	
Professor	1	-
Readers	4	3
Lecturers	8	5
<u>Town Planning:</u>		
Professors (include one Associate Professor)	2	1
Assistant Professors	2	2
Lecturers	2	1
Part-time staff (Architecture)	10	-
Part-time staff (MPP)	15	-

The posts of professor of Architecture and Professor in Town Planning and a Reader are lying vacant for the last three to four years. While the committee realises the difficulty of getting properly qualified and experienced persons in the field of Architecture, it feels it may not be so in the case of teachers in Town Planning.

With the assistance provided by the Commission, the School of Architecture and Planning is now housed in a beautiful building with the only exception that it needs additional space for Materials Museum and Photographic Section. The School of Architecture and Town Planning also badly needs a bus so as to take the students to nearby places. This need is also strongly felt by the students of AC College of Technology. The committee, therefore, recommends purchase of a bus, which may be used commonly by the School of Architecture and Town Planning and AC College of Technology. Administratively the School appears to be well-managed. The students of the School have developed a sense of participation and do not have anything to complain about.

However, the female students expressed a desire for a separate women's hostel, common for female students of AC College and School of Architecture and Town Planning. The committee, therefore, recommends that assistance may be provided for the construction of a hostel for twenty-five students.

For the School of Architecture and Town Planning, the committee recommends the following assistance:

	<u>Priority I</u>	<u>Priority II</u>
	Rs.	Rs.
<u>Non-Recurring:</u>		
1. Building (including furniture) for Materials, Museum and Photographic Section (UGC share only)	2,25,000/-	-
2. Equipment	2,50,000/-	50,000/-
3. Books & Journals	75,000/-	25,000/-
4. Diesel Bus (UGC share 50% of Rs.1.26 lakhs)	63,000/-	-
<u>Recurring:</u>		
1. Staff:		
(i) Professor-1 (Urban Sociology & Economics)	78,000/-	
(ii) Photographer           1		
(iii) Driver                   1		
(iv) Mechanic                 1		
(i) Reader                1		
(ii) Modeller            1		
(iii) Visual-aid-opera- tor                   1		54,000,
2. Five postgraduate scholarships of Rs.400/- pm	37,000/-	

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	<u>Priority I</u>	<u>Priority II</u>
3. Educational and Study-Tours	5,000/-	--
4. Contingencies for the under-graduate course in Architecture for materials etc.	10,000/-	--
5. Conferences, visits, seminars and Symposia	15,000/-	--
	<hr/>	<hr/>
TOTAL:	<u>7,58,000/-</u>	<u>1,29,000/-</u>

Library:

There is a common library for all the departments housed in the AC College campus. The library remains open from 8.30 am to 8.30 pm daily. The total working days of the library during a year are 290. It provides 225 reading seats and 26 cubicals for research students. About 150 students visit the library every day. Books are loaned to the students normally for 15 to 30 days from the Book Bank. On an average, 4 to 5 copies of a text book are purchased at present. Out of the maintenance funds of the University, an amount of Rs.25,000/- per annum for Chemical Engineering and Rs.6,000/- per annum for Textile Technology is being spent towards library books and journals. The Committee feels that more copies of the text books should be purchased and books loaned to the students on full term basis.

Students Amenities:

Separate hostels are being maintained for Engineering/Technology students. By and large, the hostels are well-maintained. Average expenditure per student per month is about Rs.200/-. This includes both boarding and lodging. The students expressed a desire for installation of ceiling fans and said that they would not mind paying more towards electricity charges for fans.

Canteen facilities are rather negligible. The students of School of Architecture and Town Planning have, however, devised a way by which the students themselves prepare and sell tea twice a day on no profit no loss basis. This is possible as the timetable provides two breaks of 20 minutes each.

General Observations and Recommendations:

1. There is a constant fear amongst the faculty of the AC College and the School of Architecture and Town Planning that with the establishment of new University of Science and Technology in Tamil Nadu, the AC College and the School of Architecture and Town Planning may be disaffiliated from the Madras University and

affiliated with the new university. This fear is based on the fact that the budget of the two institutions is reported to be allocated at present for a period of three months only at a time.

2. The revised UGC scales have not yet been fully implemented in Tamil Nadu.

3. A number of posts are lying vacant for three to four years with the result that teaching load of the existing staff members has gone up and efforts towards Faculty Improvement Programmes have been slowed down.

4. An additional accommodation over an area of 7500 sq.ft. constructed for the AC College of Technology has been temporarily handed over to the Department of Physics. This should be restored to the AC College immediately.

5. Allocations for repair/replacement of equipment and books and journals in the maintenance budget of the University is somewhat low and some essential facilities in the Departments are lacking,

6. More than 90% of the staff members at the senior level are from the departments themselves.

7. While filling in the existing vacancies and the new vacancies care should be taken to avoid inbreeding as far as possible as this chokes up the working of a department. Advertisements in all the major national newspapers may help in this regard.

8. Paucity of research fellowships at the post M.Sc. Tech. level has handicapped the research contribution of the departments.

9. The Textile Technology Department should diversify its activities by adding new specialisations like Yarn Production, Fibre Technology etc.

10. More copies of the text books should be purchased and loaned to the students on full term basis.

11. The Teacher Fellowship Scheme introduced by the UGC should be extended to the teachers of Engineering and Technology.

The summary of the financial recommendations of the committee is given below:

	<u>Ist Priority</u> Rs.	<u>IInd Priority</u> Rs.
1. Department of Chemical Engineering	14,07,000/-	6,90,000/-
2. Department of Textile Technology	7,39,000/-	2,37,000/-

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	<u>Ist Priority</u>	<u>IInd Priority</u>
3. Department of Architecture and Town Planning	7,58,000/-	1,29,000/-
4. General (Hostel for Women Students)	1,50,000/-	-
	<hr/>	<hr/>
TOTAL:	Rs. <u>30,54,000/-</u>	Rs. <u>10,56,000/-</u>

(The grants recommended for library books and journals and equipment are inclusive of the basic and other grants approved by the Commission for this purpose during the fifth five year plan).

The Committee is thankful to the Vice-Chancellor, Registrar, the Director, IIT College of Technology, Director, School of Architecture and Town Planning and other staff members for their cooperation and hospitality extended during its visit.

Sd/-  
1. (Prof. M Raja Rao)

Sd/-  
2. (Prof. SK Saraf)

Sd/-  
3. (Prof. Dipak De)

Sd/-  
4. (Prof. R.K. Sahu)

Sd/-  
5. (B.R. Kawatra)

## MADRAS UNIVERSITY

STATEMENT OF SPILLOVER FROM IVTH PLAN TO VIII PLAN PERIOD

S.No.	Name of the Scheme	Approved Cost	UGC Share	Grants paid upto 31-3-74	Spillover of IVth plan	Grant paid upto 31-3-77	Balance
<u>Development of I.G. Course in Engg. &amp; Tech.</u>							
<u>Non-Recurring 100%</u>							
1.	Equipment	3,09,000	3,00,000	-	3,00,000	2,75,000	25,000
2.	Library Books	20,000	20,000	-	20,000	-	20,000
<u>Recurring (P.A. for 5 yrs.) 100%</u>							
1.	Teaching and Non-teaching	63,000	69,000 p.a.	-	3,45,000	-	3,45,000
2.	Maintenance	30,000	30,000	-	1,50,000	1,25,000	25,000
<u>Development of U.G. Course in Engg.</u>							
<u>Non-recurring 50%</u>							
1.	Equipment	70,000	35,000	-	35,000	20,000	15,000
2.	Extension of Chem. Engg.	1,00,000	50,000	-	50,000	-	50,000
3.	Construction of Architect Bldg.	3,20,000	1,60,000	-	1,60,000	-	1,60,000
<u>Recurring (5 yrs.)</u>							
	Staff and maintenance	42,000	21,000	-	1,05,000	59,765	42,235
					<u>11,65,000</u>	<u>4,79,765/-</u>	<u>6,62,235/-</u>
<u>Development of P.G. Course in Engg. &amp; Tech.</u>							
<u>During Vth Plan:</u>							
1.	Equipment	8,77,000	8,77,000	-	-	3,00,000	5,77,000
2.	Lib. Books	3,27,000	3,27,000	-	-	1,10,000	2,17,000
<u>Basic Grant for Purchase of Lib. Books &amp; Journals</u>							
	Equipment	1,00,000	1,00,000	-	-	1,00,000	-
	Lib. Books	75,000	75,000	-	-	75,000	-
					<u>5,95,000/-</u>	<u>7,84,000/-</u>	

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(11)

Meeting:

Dated : 17.10.1977.

Item No. 16 :- To consider the report of the Visiting Committee appointed to assess the development proposals of the Sambalpur University College of Engineering Burla during the fifth five year plan.

The Commission appointed a Visiting Committee to assess the proposals received from Sambalpur University for the development of its college of Engineering, Burla during the fifth five year plan period. The Committee consisted of the following:

1. Prof. Ravi Dutta,  
Department of Civil Engineering,  
University of Roorkee,  
Roorkee.
2. Prof. V. Subba Rao,  
Head of the Department of Electrical Engg.,  
Institute of Technology,  
Banaras Hindu University,  
Varanasi.
3. Prof. T.R. Mohan,  
Department of Mechanical Engineering,  
College of Engineering,  
Osmania University,  
Hyderabad.

The Committee visited the Sambalpur University College of Engineering, Burla, on 12th & 13th August, 1977. The Committee met the Principal, Heads of Department and other faculty members of the College of Engineering and went round the class rooms, laboratories, workshops, library and students' hostels. The Committee also had discussions with the Registrar and the Vice-Chancellor, Sambalpur University.

The Sambalpur University was requested by the Commission to send proposals to the extent of Rs. 30 lakhs for the development of its College of Engineering. However, the University sent proposals worth Rs. 30.98 lakhs under first priority and Rs. 18.62 lakhs under second priority. The second priority proposals relate to construction of students hostels. The Committee has not recommended any addition to hostel accommodation.

A copy of the report of the Visiting Committee is enclosed as Annexure.\*

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The main observations/recommendations of the Visiting Committee are as follows:

1. The University Engineering College, Burla being far away from the major technical institutions, the teachers of the college are not exposed to the latest developments in their fields. Special efforts are needed to provide facilities to the teachers to go to other institutions to participate in Seminars, Conferences etc. and also to organise Seminars Symposia etc. at Burla by inviting experts from various advanced institutions.
2. The College has not earned much of industrial consultancy during the last five years.
3. The syllabus of the undergraduate courses was revised more than five years ago and needs to be up-dated.
4. There is wide communication gap between the teachers and the heads of department, the heads of department and the Principal. It is necessary that efforts should be made to develop a sense of participation by all teachers in the various activities of the College.
5. The College has introduced an Entrance Test for admission to the undergraduate courses and this has considerably improved the quality of students joining the College.
6. While some of the teachers are very good in their subjects there is a lot of inbreeding with the result that the College remains academically backward.
7. Number of text books in the library is very limited. Efforts should be made to purchase more copies of each text book and loan them to students for full term.
8. The Flats in the teachers' hostel should be allotted to teachers only.
9. The undergraduate course in Electronics, which has been running almost without staff, should be strengthened by making appointments against sanctioned posts immediately. The Grants sanctioned by the Commission for purchase of equipment etc. should also be utilised immediately.
10. The Committee recommends starting of a postgraduate course in Machine Design by the Department of Mechanical Engineering but the University should be told not to start any postgraduate course in future without the approval of the AICTE/UGC or without making proper preparations before undertaking such an activity.
11. The Teacher Fellowship Scheme of the UGC should be extended to teachers of the Engineering Colleges also.

Contd.... -

12. Efforts should be made to develop the existing departments to the optimum level before undertaking any expansion programmes.

The summary of the financial recommendations of the Committee is given below:

<u>Department</u>	<u>Ist Priority</u> (Rs. in lakhs)	<u>IInd Priority</u> (Rupees in lakhs)
1. Department of Civil Engg.	3.90	1.00
2. Department of Elect.Engg.	6.90	2.00
3. Department of Mech.Engg.	8.00	2.40
4. Science Departments	1.70	0.45
5. Staff Quarters (UGC Share)	3.00	-
6. Canteen "	0.60	-
Total	<u>24.10</u>	<u>5.85</u>

The report of the Visiting Committee is placed before the Commission for consideration.

AS(SA)/DS(CE)

Report of the Visiting Committee on Fifth Five  
Year Plan Development proposals of the Sambalpur  
University College of Engineering, Burla.

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To assess the proposals received from the Sambalpur University for the development of its College of Engineering, Burla during the fifth five year plan period, the University Grants Commission appointed a Visiting Committee consisting of the following:

1. Prof. Ravi Dutta,  
Department of Civil Engineering,  
University of Roorkee,  
Roorkee.
2. Prof. V. Subba Rao,  
Head of the Department of Electrical Engineering,  
Institute of Technology,  
Banaras Hindu University,  
Varanasi.
3. Prof. T.R. Mohan,  
Department of Mechanical Engineering,  
College of Engineering,  
Osmania University,  
Hyderabad.
4. Shri B.R. Kwatra  
Assistant Secretary,  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi.

The Visiting Committee visited the University College of Engineering, Burla on 12th -13th August, 1977. The Committee met the Principal, Heads of Department and other faculty members of the College of Engineering and went round the College, laboratories, Workshops and Library. The members of the Committee met the teaching staff, the non-teaching staff and students and went round the four Hostels attached to the Engineering College. On 13th August, 1977, the Committee met the Registrar and the Vice-Chancellor, Sambalpur University and had discussion with them.

Background of the College:

The University College of Engineering, Burla was established on 12th August, 1956. It was a constituent College of the Utkal University upto December, 1966 and with the establishment of a new University at Sambalpur was transferred to the Sambalpur University in January, 1967.

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The College has sprawling buildings over an area of 1,53,469 sq.ft. with very fine natural surroundings. Four hostels (North, South, East and West) with 72 rooms each, are attached to the Engineering College. These hostels provide accommodation for a total of 798 students. An auditorium with a seating capacity for 1000 persons is coming up in the College campus.

The College provides facilities for courses leading to the B.Sc, Engineering degree in Civil, Electrical, Mechanical and Electronics & Telecommunication Engineering and M.Sc. Engineering in Civil, Electrical and Mechanical Engineering. In the beginning, the college had an intake of 70 students only in the four year degree course. The admission capacity was raised to 120 in the year 1957 and to 180 in 1961. Five year integrated course was introduced in the year 1962-63 and under this scheme the admission capacity was raised to 270 in 1965-66. But, due to recession the admission was brought down to 180 from 1968 onwards and continues to remain at the same level. In 1973, the College introduced a degree course in Electronics & Telecommunication Engineering with an intake of 30 students but within the total of 180 students per annum. Regular postgraduate courses in Civil Engineering with specialisation in Irrigation Engineering and Electrical Engineering were started in 1971-72. Two to three students are being admitted to each of these courses annually. In mechanical Engineering, though no postgraduate course was approved by the AICTE/JGC, the College on its own, started a postgraduate course with specialisations in Machine Design/Refrigeration Engineering/I.C. Engines/Production Engineering and has been admitting two students per annum. The Mechanical Engineering Department has been running this course without any additional staff or physical facilities.

The total enrolment and out-turn of students to undergraduate and postgraduate courses during the last three years was as follows:

<u>Year</u>	<u>Undergraduate</u>		<u>Postgraduate</u>	
	<u>Enrolment</u>	<u>Out-turn</u>	<u>Enrolment</u>	<u>Out-turn</u>
1973-74	207	72	4	1
1974-75	204	107	6	2
1975-76	197	134	6	4

The overall results of undergraduate courses during the period 1971-72 to 1975-76 were as follows:

Contd..

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No. of students appeared (Both Annual & Suppl.)	No. of Students passed	Hons.	Ist Class	2nd Class	Pass
<u>1971-72</u>					
Civil - 11	11	Nil	2	9	-
Mech. - 64	54	6	17	29	2
Elect. - 44	35	-	15	19	1
<u>119</u>	<u>100</u>				
<u>1972-73</u>					
Civil - 20	15	1	2	12	-
Mech. - 56	50	4	21	25	-
Elect. - 37	34	3	16	15	-
<u>113</u>	<u>99</u>				
<u>1973-74</u>					
Civil. - 7	7	-	5	2	-
Mech. - 42	37	3	15	18	1
Elect. - 33	28	-	7	19	2
<u>182</u>	<u>72</u>				
<u>1974-75</u>					
Civil - 32	27	3	11	12	1
Mech. - 58	53	5	26	21	1
Elect. - 33	27	2	10	15	-
<u>123</u>	<u>107</u>				
<u>1975-76</u>					
Civil. - 47	36	8	13	13	2
Mech. - 54	49	5	30	13	1
Elect. - 48	32	3	16	13	-
<u>149</u>	<u>117*</u>				

\*Results of Supplementary Examination not yet published.

The college has produced eight Ph.Ds. (Including four in non-engineering subjects) during the last three years and sixteen are at present registered for the Ph.D.

The position of teaching staff as on 1.7.1976 was as follows:

Department	No of Sanctioned Posts as on 1.7.1976			No. of teachers position as on 31.7.77		
	P.	R.	L.	P.	R.	L.
Principal (Mechanical Engineering)	1			1		
1. Mechanical Engg.	1	5	11	1	5	8
2. Civil Engg.	2	4	12	2	4	13
3. Electrical Engg.	2	4	10	2	4	10
4. Electronics Engineering.	1	3	6	-	1	3
5. Chemistry	1	-	4	1	-	4
6. Physics	1	-	4	1	-	4
7. Mathematics	1	1	4	1	1	4
8. Humanities	-	1	1	-		2 One L Against R
9. Workshop Supdt.	-	1	-	-	1	-

Out of the above staff, 18 members held Doctoral qualifications and majority of the rest have postgraduate degrees in Engineering and Technology. A few teachers have been sent to IIT, Kharagpur and other Institutions under Quality Improvement Programme. Except two or three Senior faculty members who came directly from IIT, Kharagpur, the rest joined the college as Lecturer and became Readers and Professors.

#### Library:

The College has a library over an area of 6,000 sq.ft. on the first floor of the main building. It provides 60 reading seats and remains open from 8 A.M. to 11.40 A.M. and 1.45 P.M. to 8.P.M. The Library has a staff of 10 persons including Librarian, Book-Binder and Library attendants. As on 30th June, 1977, the library had 19,111 books and it is subscribing to 250 journals. The total number of books acquired during 1976-77, was 2,498. The average number of students visiting the library is 250 per day and about 200 books are issued daily.

Contd..

Out of the maintenance budget, the University spent Rs. 1.14 lakhs on books and journals during 1976-77.

Hostels:

The College has four hostels (North, South, East and West) attached to it. Each hostel has 72 triple seated rooms. However, some corner rooms which are bigger in size are being used for 4 or more students each. The total number of students residing in the hostels at present, is 798 against a capacity of 720 only. This number is likely to go down after the supplementary examinations, being held shortly, are over.

Students Amenities:

The College has a small canteen housed in a temporary structure near the main building. It also has a small gymnasium but no health centre. There is some difficulty of water supply in the hostels but the same difficulty is being felt by the entire campus. Since the water supply is direct from the Water Works, improvement if any, has to be brought about at the source instead of in the campus. The University plans to shift the canteen to the basement of the Auditorium and has asked for financial assistance for this purpose.

A statement showing spill-over of schemes approved by the Commission during earlier plans, grants approved and paid upto 31.3.1977 during the fifth plan is enclosed as Appendix

Fifth Plan proposals and recommendations:

For the fifth five year plan, the Sambalpur University was requested by the Commission to submit proposals for the development of the University College of Engineering Burla within an allocation of Rs. 30 lakhs. Against this allocation the University submitted the following proposals:

I st Priority

- |  |                |
|--|----------------|
| 1. Industrial Engineering  | Rs. 5.15 lakhs |
| 2. Consolidation of under-graduate studies in the Department of Mechanical Engineering | Rs. 4.00 lakhs |

Contd..

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3.	Introduction of P.G. Course in Maintenance Engineering (Mechanical Engineering)	Rs. 1.3 lakhs
4.	Additional College accommodation (20,000 sq.ft. @ Rs.50/- per sft.)	Rs. 10.00 lakhs
5.	Consolidation of Approved P.G. studies in Civil and Electrical Engineering	Rs. 7.58 lakhs
6-	Students Amenities (Cafeteria)	Rs. 0.952 lakhs
7.	Library	Rs. 2.00 lakhs
	Total:	<u>Rs. 30.982 lakhs</u>

II Priority

Rs. 18.62 lakhs

Students Hostel

The above proposals were examined by the Committee and the recommendations of the Committee on the proposals of each department are as follows:

1. Department of Civil Engineering:

This department provides facilities for a five year degree course leading to B.Sc. Engineering. It has an approved intake of 50 students per annum. However, the actual admissions during the recent years have varied between 45 and 55. Quality of students getting admission to the course is quite good. From 1977-78 the college has introduced an entrance examination for admissions which is likely to further improve the quality of students coming to the Engineering College. Syllabus for the degree course was revised 3-4 years ago but appears to be quite well up.

The department also runs a postgraduate course in Hydraulics and Irrigation Engineering introduced in 1971-72. The approved intake for this course is 5. During the first 2 years, all the seats were filled in; but the students left the course in between after getting jobs. During the last 2 years the admissions have been 3 to 4 only.

Contd...



This course is coming up fairly well, particularly in the context of the college being located in the area of the Hirakund Dam. However, syllabus of this course needs to be reviewed and recast with a view to bringing it in conformity with the requirements of such a course in Indian conditions. The present syllabus is disproportionately weighted with "Dam Engineering" and "Irrigation Structures" and "Irrigation and Drainage" have been included as optional subjects. The latter have more common and much wider application. Under Flood Control, training of streams which generally has to be a part of any flood measures, has not been included in the syllabus. The syllabus needs to be redesigned in a way that topics of wider application are included in the compulsory subjects and each subject is made coherent. Subjects such as sophisticated type of dams and other types of narrow application and higher specialisations may be taken under optional category.

This department has a sanctioned strength of 19 staff members i.e. 2 Professors, 4 Readers and 13 Lecturers. All the posts are filled up but 2 Readers are on study leave. Both the Professors and 2 Readers are Ph.D. and another Reader is likely to complete his Ph.D. work shortly. All the rest of the faculty members have postgraduate qualifications and 6 are registered for Ph.D. The overall academic level of the faculty is thus quite good.

Under consolidation and diversification of undergraduate course in Civil Engineering, the College has proposed introduction of specialisation in Town and Country Planning from 4th Semester onwards within the existing duration. Additional posts of 1 Reader and an Architect have been asked for, for this purpose. The Committee feels that introduction of specialisation in any field at undergraduate level will be misplaced because firstly, at this level, no worthwhile specialisation can be attained. If any Organisation needs specialised Engineers in a particular field, any number of postgraduates are likely to be available and undergraduates will have no chance of employment in that field. Moreover, the chances of employment of undergraduates will be adversely affected by introducing narrow specialisations at that level. Secondly, recruitment of single person for the limited content of a specialised course such as Architecture will not be practical and hence development of the course even to the intended level will not be feasible. Undergraduate courses must basically remain confined to fundamental subjects of general nature.

Contd. 2/-

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For consolidation of undergraduate courses, the College has asked for 2.5 lakhs for equipment for the six laboratories. However, the Committee feels a provision of Rs. 1.50 lakhs would be enough for the current plan period. The present Highway Engineering laboratory looks to be cramped. It should be possible to provide some more space for this laboratory by re-distributing the space in the existing building itself.

Consolidation of Postgraduate course in Hydraulics and Irrigation Engineering.

This course was introduced in 1971-72. For strengthening and development of this course, the college has made proposals for Rs. 3.16 lakhs for additional equipment for the laboratory. The proposal includes such items as Wind-tunnel, Cavitating Testing and Electronic Calculator also which are not considered essential for this course. An amount of Rs. 2.30 lakhs has, therefore, been recommended for purchase of equipment for this course. Besides, the existing laboratory which is located outside the main building and is too congested, will need expansion immediately. An expenditure of Rs. 0.50 lakhs out of which UGC share will be 0.25 lakhs, is recommended for this purpose.

For strengthening the faculty, the College has asked for additional posts of 1 Reader and 1 Lecturer for this course. However, the Civil Engineering Department has 2 Professors, 1 Reader and 1 Lecturer with specialisation in Hydraulics and Irrigation and according to the details of work load given to the Committee, additional staff with this particular specialisation should not be necessary. However, since the Reader and Lecturer are on study leave, the staff is feeling over-burdened. But this does not justify sanction of additional posts on permanent basis.

Introduction of a new Postgraduate courses in Building Technology and Transportation Engineering.

The College has included in its fifth plan proposals introduction of a new postgraduate course in Building Technology. Since such a course would essentially be a multi-disciplinary course and can be run successfully with participation of specialists in several other fields, such as Architecture, Air-conditioning, Environmental Engineering including Acoustics, Ventilation, Climatology etc., the Committee feels that due to non-availability of such specialists at a place like Burla,

proper standards cannot be attained and the course if run, will remain sub-standard. The Engineering College in its present stage of development does not have specialists in the above fields on its staff nor they are in other agencies in the neighbourhood from where such specialists could be drawn for the course. Therefore, the Committee does not recommend the introduction of this course. Introduction of a new postgraduate course in Transportation Engineering, may, however, be considered during the next plan. Course in Structural Engineering is already running at the Regional Engineering College, Rourkela. Since Transportation Engineering is also a multi-disciplinary course needing participation of Mechanical Electrical and Electronics Engineering it might attain the required level of development till then. Civil Engineering Department has several teachers with specialisation in Highway & Structural Engineering. Specialists in several other fields such as Transportation Engineering, Harbour and Marine Engineering will still be needed to attain a worthwhile level of standards for this course.

For library books and journals and to enable the department organise seminars, symposia etc. as also participation by the teachers of the department in Seminars, Symposia at other places and for other purposes, provision has been made in the recommendations for grants for this department as given below:

	<u>Ist Priority</u>	<u>IIInd Priority</u>
	(Rs. in lakhs)	
1. Building including furniture.	0.25	-
2. Equipment	3.00	0.80
3. Library books and journals	0.65	0.20
4. Seminars, Summer-Schools, Conferences and Symposia etc.	0.10	-
	<u>4.00</u>	<u>1.00</u>

Contd..

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Department of Electrical Engineering:

This department provides facilities for B.Sc. Degree course in Electrical Engineering and B.Sc. degree course in Electronics Engineering. The department also runs a postgraduate course in Electrical Engineering with specialisation in Power Systems with an intake of 5 students per annum. Efforts have obviously been made to initiate some research work in various areas of Electrical Engineering and particularly in Power Systems.

Structure of the Department in terms of Laboratories and academic courses etc., seems to be reasonable for teaching of Electrical Engineering of conventional type. The department would, however, need considerable improvements to enable it to teach Electrical Engineering on a modern pattern with emphasis of subjects like Power Electronics, Control System, Computation etc. The conventional type of laboratories in Electrical Machines, Power System etc. also need modernisation by way of additional equipment like U.V. Recorders, Oscilloscopes, F.H.P. Motors, Thyristor driven Machines, Amplidyne set, Impedance Bridge etc. In addition a number of instruments and other measuring apparatus are needed. The existing Analogue Computer is not being fully utilised because of lack of an Air-Conditioned room. It would be desirable to make all efforts to fully utilise expensive items of equipment which are of interest to all Engineering students. There are at present no fabrication facilities in the department which hampers all construction oriented type of work.

In order to make the Electrical Engineering Course more effective, the Committee recommends-

1. The subject of Power Electronics with particular reference to Electric drives and Control must be taught as an essential part of the undergraduate course.
2. Computing Methods (Both Analogue and Digital) must be taught to all Electrical Engineering students and in fact to all students of the college.
3. Control System Theory needs to be taught in greater depth than at present. It appears from the courses of studies of the various branches (Electrical, Electronics, Mechanical) that the subject of Control System is being taught separately under different headings.

Contd...

There is a great need for co-ordination and rationalisation of the teaching in this subject which would cater to the above mentioned disciplines. The Department of Electrical Engineering (including Electronics) has already got 2-3 teachers with Control System specialisation and it is recommended that these posts be increased by the addition of one Professor who can coordinate the various courses in control as well as in Computing taught to the students of all disciplines and also initiate research in this highly inter-disciplinary type of work.

To enable this department to teach a new subject of Power Electronics and to coordinate its application to the very important branch of Electric drives, it is recommended that the post of One Reader in Power Electronics and One Reader in Electric Drives be created.

The existing P.G. programme in Power System is being run on conventional lines. The addition of the above staff members in specialisations of Control System, Power Electronics and Electric drives, can usefully contribute to the teaching and research activities of the P.G. Programme. This would particularly be useful in connection with the project and dissertation type of work.

From the particulars of the teachers of the Department of Electrical Engineering, it appears that as many as 7 teachers do not have postgraduate qualifications. These persons seem to be relatively young in the Department and are mostly from the area of Electronics Engineering. This is a rather unsatisfactory state of affairs and it is recommended that all efforts be made to see that these teachers are provided with suitable leave and other facilities required for higher qualifications and thereby broaden their experience.

Electronics Engineering:

Even though a separate undergraduate course is being offered in Electronics Engineering for the last five years, the existing facilities in terms of staff, equipment etc. seem to be rather inadequate to impart effective teaching in this vital branch of Engineering. It is learnt that an amount of Rs. 2.50 lakhs already sanctioned for purchase of Electronics equipment is still to be utilised and it is hoped that the University will make every effort to expedite its purchase. More disturbing than the lack of equipment is the fact that the post of 1 Professor, 2 Readers and 3 Lecturers which were sanctioned five years ago still remain unfilled.

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It appears that the University has been making a number of attempts to fill up these posts but obviously without much success. It goes without saying that the lack of suitable teachers as well as equipment is adversely affecting the teaching of the subject. This is something very serious and needs to be attended to by the University authorities immediately. The lack of suitable Electronics oriented teachers affects not only the students of Electronics branch but also those of Electrical and other Engineering branches. In view of the unspent equipment grants already sanctioned and unfilled teaching posts in this discipline, no new financial inputs are recommended at this stage. However, the Committee feels that the University authorities and if necessary the UGC also should critically examine the situation after about a year's time to review the short-comings and if necessary, to devise ways and means to rectify the short-comings.

Accommodation:

... The existing laboratories of the Department of Electrical Engineering do not seem to be in any way over-crowded. This is perhaps due to lack of suitable equipment. It is, therefore, not being proposed that any large scale building space be added to the Department at this stage. However, there is need for setting up a Power Electronics Laboratory and some working space for final year undergraduate and postgraduate students working on project type of work. Some additional accommodation for staff members is also required. The Committee therefore, recommends additional accommodation over an area of 2,000 sq.ft. involving an expenditure of Rs. 1.00 lakh out of which UGC share would be Rs. 50,000/-

Equipment:

As already pointed out a number of sophisticated items are needed to improve the facilities for undergraduate teaching. A separate Power Electronics Laboratory will also be needed which will be useful to both Electrical and Electronics students. The Committee feels that a good beginning can be made in this direction with an equipment grant of Rs. 4.50 lakhs (Rs.3.50 lakhs under first priority and Rs. 1.00 lakh under second priority). In addition a sum of Rs. 1.50 lakhs (Rs.1.00 lakhs under first priority and Rs. 0.50 lakhs under second priority) is also recommended for purchase of equipment required for postgraduate programme in Power Systems.

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Thus, the total amount of Rs. 6 lakhs (Rs. 4.5 lakhs under first priority and Rs. 1.5 lakhs under second priority) is being recommended for purchase of equipment.

Library Books and Journals:

For strengthening the library facilities, the committee recommends an assistance of Rs. 0.60 lakhs under first priority and Rs. 0.20 lakhs under second priority for purchase of books and journals by the Department of Electrical Engineering. Another Rs. 0.40 lakhs is recommended for books and journals in Electronics Engineering.

Computing Facilities:

There are absolutely no computing facilities in the College, nor even in the university campus. It is essential these days that every engineering student gets some training in modern computer techniques. A small beginning could be made by the purchase of a Mini-Computer which is available within the country at a cost of Rs. 0.80 lakhs. It is, however, being included under Mechanical Engineering Department to be used as a Central facility.

Seminars:

From the information provided by the College, it is observed that participation by the staff members of the Department of Electrical Engineering in Conferences/Seminars/Symposia, within the country and abroad during the last three years is very little. This attendance is low even in comparison to other departments of the College. This is rather disturbing as unless the teachers are exposed to the latest developments in their fields of study, the standards of teaching are bound to be affected. The teachers of this department cater to the needs of almost half of the students of the colleges (80 students per annum in Electrical and Electronics) as compared to a total of 180. To enable the teachers of this department take active part in organising/attending conferences, seminars etc. an amount of Rs. 15,000/- is recommended for the current plan period. The Committee feels that the staff should be deputed to attend various Summer Schools being organised by agencies like Indian Society for Technical Education etc. during summer and winter periods. Such participation does not cost much but a conscious effort to implement such a programme is needed.

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The grants recommended by the Committee for the Department of Electrical Engineering are as follows:-

	<u>Ist Priority</u>	<u>2nd Priority</u>
	(Rupees in lakhs)	
a) <u>Teaching staff:</u>		
1 Professor in Control System	0.45	-
1 Reader in Power Electronics	0.30	-
1 Reader in Electric Drives	-	0.30
b) Equipment	4.50	1.50
c) Library Books and Journals	1.00	0.20
d) Building	0.50	-
e) Seminars etc.	0.15	-
	<hr/>	<hr/>
Total	6.90	2.00
	<hr/>	<hr/>

Department of Mechanical Engineering:

The Department of Mechanical Engineering has been running a conventional five year integrated course with an intake of 50 students. It has a staff strength of 2 Professors, 5 Readers and 9 Lecturers. One Professor holds Ph.D. in Machine Design and all the other staff members hold postgraduate qualifications in different branches of Mechanical Engineering mainly Production Engineering, Applied Mechanics and Machine Design and Heat Power Groups. The department has well equipped workshops and different laboratories - Heat Power Laboratory, Hydraulic Machine Laboratory, Instrumental Laboratory, Instrumentation and Control Laboratory, Industrial and Strength of Materials Laboratory.

The Department has submitted proposals for introduction of Postgraduate courses in Machine Design, Production Engineering, I.C. Engines and Refrigeration and Air-conditioning Engineering.

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However, without waiting for AICTE/UGC approval, the Department has already introduced postgraduate courses with an intake of 2 regular students in the fields of Machine Design/Refrigeration Engineering/I.C.Engines/Production Engineering without any additional staff. Scholarships to the students are being paid by the College from its own funds. The laboratories are also not well equipped for running postgraduate courses. This kind of running postgraduate courses without the approval of AICTE/UGC and adequate funds for providing necessary facilities is highly undesirable. However, the Committee was told that some of the students who have come out of the postgraduate courses have been received well for engagements to the posts outside the University and others have been employed as staff members in the Department itself and their services are being utilised for developing facilities in the different laboratories. The overall staff position and the existing teaching load in the Department are generally satisfactory. After visiting the different laboratories and the workshops of the Department and discussions with the members of staff and head of the Department, the various development proposals submitted by the Department have been examined and the Committee makes the following recommendations:

1. Introduction of an undergraduate course in Industrial Engineering.

Sometime in 1972, the Government of Orissa sent a proposal to the Eastern Regional Office of the Ministry of Education and Social Welfare, Calcutta for the introduction of a course in Mechanical Engineering with specialisation in Industrial Engineering at the University College of Engineering, Burla. The Eastern Regional Committee sent a Visiting Committee to the College in February, 1973. The Committee recommended grants amounting to Rs. 10.30 lakhs out of which Commission's share was supposed to be 50%. When the recommendations of the AICTE were sent to UGC, the University was requested to include this in its fifth plan proposals. When this Committee visited the Sambalpur University College of Engineering, Burla, the college stressed the importance of introducing this course and suggested that to begin with 15 students would be admitted at the initial stage to be gradually raised to 20 per annum. This would raise the total admission of the college to 200 students per annum.

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This course was expected to be of 5½ years duration of sandwich pattern and collaboration with industry as per the scheme of sandwich courses envisaged by the Government of India. After considering the overall position of the Department in respect of the availability of qualified staff in this field, the Industrial collaboration and liaison, and also the employment potential for undergraduate students with this specialisation, the Committee feels that this proposal be deferred for the present and actual adequate facilities for equipment and staff and industrial liaison have to be developed to run such a course.

2. Introduction of a postgraduate course in Maintenance Engineering.

The Committee also examined the proposal of the University for introduction of a postgraduate course in Maintenance Engineering with an intake of 5 students per annum. This postgraduate course leading to the degree of M.Sc. Engineering encompasses the basic objective of preparing and equipping Mechanical engineers for the momentous task of maintenance of the diverse industries in the state of Orissa. The maintenance function makes a huge cut in the profitability of any industrial undertaking. Modern techniques available to an engineer in this field are vast and the tools if utilised with skill can increase the life of an undertaking and also save any huge over-heads, replacements, large inventories and shut-downs. With the existing facilities in the form of equipment etc. and the qualified staff in the Department and the Industrial liaison which is almost nil, the Committee does not recommend the proposal for starting a postgraduate course in Maintenance Engineering.

However, with the background of experience of the Department in running postgraduate courses in different specialities, the availability position of the qualified staff and the necessary equipment in the various laboratories, the type of research activities in the Department and the number of research publications by the staff members in the various standard technical journals, the Committee recommends that a postgraduate course in Mechanical Engineering with specialisation in Machine Design may be started from the academic session 1978-79.

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Consolidation of Undergraduate Courses:

After going round the workshops and the various laboratories in the Department, the Committee noticed that in certain sections like Foundry, Forging and Welding, the Workshop is very much congested and additional space is badly needed. There are no facilities for Metrology Laboratory and Metallurgical Laboratory which are some of the basic needs at the undergraduate level. Similarly, equipment in the laboratories and Machine-shop needs to be strengthened.

The Committee recommends the following grants for this Department:

1. Consolidation of undergraduate courses.

	<u>Ist Priority</u>	<u>II Priority</u>
	(Rupees in lakhs)	
i) Buildings (including fittings and furniture)	0.75	-
ii) Equipment	4.00	1.50
iii) Library Books and Journals.	1.00	0.50

2. New Postgraduate course in Machine Design.

i) Equipment	1.35	0.40
ii) Staff:		
Professor- I		
Reader - I		
iii) Technical Asstt-I	0.75 lakhs	-
iv) Technical Asstt.I		

3. Seminars, Symposia, Conferences etc. to be organised in the college and for participation of teachers at other places. 0-15 lakhs -

Contd...

### Science Departments

At the time of the visit of the Committee, the Principal, University College of Engineering, Burla gave a proposal for the starting of a M.Sc. course in Applied Mathematics. In justification of the proposal it was stated that there is a great demand for Applied Mathematics as at present. All over the world, much work is being done in Applied Mathematics both as Course work and research work. But in India, not many institutions are offering facilities for this course. Science students of Orissa are not getting much opportunity to study Applied Mathematics as there is no fully developed Applied Mathematics Department in the state. The total expenditure involved in the proposal is Rs. 14.57 lakhs. The college authorities indicated that funds for this course if approved, should be provided in addition to the allocation of Rs. 30 lakhs. The Committee appreciated the work being done in the Department of Mathematics of the College of Engineering, Burla but in view of the employment opportunities or scope for further growth for students/teachers of Applied Mathematics, it could not recommend the proposal for starting a new post-graduate course in Applied Mathematics.

In a meeting with the teachers of Science Departments, It was pointed out that no proposals were invited from them for the development/strengthening facilities in the Science Departments of the College. Some teachers even said that they were not informed about the visit of the Committee even two days earlier. Some teachers said that content of Science teaching in the overall syllabus for engineering students has been reduced to one teacher only. Almost all the teachers of the Science Departments are dis-satisfied with the present arrangements and desired that they should be borne on the strength of the main Science Departments of the University as this would help them to undertake postgraduate teaching and research in their own fields. The Committee strongly supports this view and suggest that the University may take steps to bring about this analagamation of staff of the Science Departments in the main Science Departments of the University. However, for strengthening the existing facilities for Science teaching to undergraduate students of Engineering, the Committee recommends the following assistance:

Contd...

Department	<u>Ist Priority</u>	<u>IInd Priority</u>
	(Rupees in lakhs)	
1. Department of Physics.		
i) Equipment	0.60	0.15
ii) Books	0.10	0.05
2. Department of Chemistry.		
i) Equipment	0.60	0.15
ii) Books	0.10	0.05
3. Department of Mathematics.		
i) Equipment	0.20	-
ii) Books	0.10	0.05

Hostels:

As already pointed out, accommodation in the hostels attached to the college is very cramped and needs immediate attention. However, it was pointed out by the Principal that the number of students staying in the hostels is likely to go down after supplementary examinations, which are being held shortly, are over. The Committee, therefore, does not recommend any additional hostel accommodation.

Canteen:

The Committee recommends that the proposal of the College for an assistance of Rs. 95,000/- for the establishment of a canteen may be favourably considered by the Commission. The students amenities to be provided for the college should not be linked with the students amenities to be provided for the main University campus since the two are located at a distance of about 7 km from each other.

Meeting with the Teachers:

The major grievance of the teachers of the University College of Engineering, Burla is lack of residential accommodation. This appears to be genuine because no private accommodation is available near the college and Sambalpur town is far away from the campus.

Contd..

A majority of the teachers who have been allotted accommodation are living in houses originally built for junior staff of the Hirakund Dam project. These houses are in a dilapidated condition. The teachers' hostel built with the assistance provided by the Commission, has been allotted to other employees of the University.

There is a wide communication gap between the management and the teachers. Some teachers said that they came to know about the visit of the Committee only two days before the actual visit. The teachers of the Civil and Electrical Engineering Departments said that they were never consulted or asked to submit any proposals for consideration by the Visiting Committee. The teachers also said that they are not allowed to go to other institutions for Faculty Improvement Programmes. While some of the complaints of the teachers are exaggerated, most of the grievances appear to be justified as the university authorities admitted that the teachers' hostel had been allotted to non-teaching staff of the University. However, the Vice-Chancellor and the Registrar agreed that steps would be taken to get the teachers' hostel vacated by the non-teaching staff and the accommodation would be provided to the teaching staff of the Engineering College. The Committee recommends an assistance of Rs. 3.00 lakhs as UGC share towards construction of staff quarters for the College of Engineering.

#### Meeting with the students:

The students of the University College of Engineering, Burla appeared to be more or less satisfied but seem to be suffering from an inferiority complex in comparison to the students of the neighbouring Regional Engineering College, Rourkela. However, the Committee agrees with them that the syllabus for undergraduate courses needs to be up-dated. The students also pointed out that there are no scholarships or freeships, no drinking water facilities for the college and no cemented ground for basket-ball. The students also complained about the shortage of text books in the book bank. During final discussions with the Vice-Chancellor and the Registrar, when these demands of the students were pointed out, the Vice-Chancellor informed the Committee that the State Government had agreed to the award of scholarships and freeships to the students.

Contd..

The students also demanded that the degrees of B.Sc. Engineering and M.Sc. Engineering being awarded at present should be changed to B.E. and M.E. The Committee recommends that this demand of the students should be agreed to as early as possible. The other demands of the students also need immediate attention.

Observations/Recommendations:

1. The University Engineering College, Burla being far away from the major technical institutions, the teachers of the college are not exposed to the latest developments in their fields. Special efforts are needed to provide facilities to the teachers to go to other institutions to participate in Seminars, Conferences etc. and also to organise Seminars, Symposia etc. at Burla by inviting experts from various advanced institutions.
2. The College has not earned much of industrial consultancy during the last five years.
3. The syllabus of the undergraduate courses was revised more than five years ago and needs to be up-dated.
4. There is wide communication gap between the teachers and the heads of the department, the heads of department and the Principal. It is necessary that efforts should be made to develop a sense of participation by all teachers in the various activities of the College.
5. The College has introduced an Entrance Test for admission to the undergraduate courses and this has considerably improved the quality of students joining the College.
6. While some of the teachers are very good in their subjects, there is a lot of inbreeding with the result that the College remains academically backward.
7. Number of text books in the library is very limited. Efforts should be made to purchase more copies of each text book and loan them to students for full term.
8. The flats in the teachers' hostel should be allotted to the teachers only.

Contd....

## SAMBALPUR UNIVERSITY

## STATEMENT OF SPILLOVER FROM IVTH PLAN TO VTH PLAN PERIOD

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Sr.No.	Name of the Scheme	Approved cost.	U.G.C. Share.	Grant paid upto 31.3.74	Spillover to Vth Plan	Grant paid 1.4.74 to 31.3.77	Balance if any
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DEVELOPMENT OF UNDERGRADUATE COURSES IN ELECTRONICS AND TELE.COM. ENGG.

Non Recurring 50%

1.	Equipment	7,98,000	3,99,000	1,00,000	2,99,000	1,00,000	1,99,000
2.	Library	50,000	25,000	-	25,000	-	-

Recurring

1.	Staff (5 years)	1,14,000	57,000	-	2,85,000	28,164	1,56,836
2.	Library books	5,000	2,500	-	12,500	5,000	7,500

DEVELOPMENT OF POST-GRADUATE COURSES IN ENGG AND TECH. (100%)

Non-Recurring

1.	Equipment	50,000	50,000	-	50,000	50,000	-
2.	Library Books	10,000	10,000	-	10,000	10,000	-

RECURRING (For 5 yrs.) p.a.

1.	Teaching Staff	40,000	40,000	-	2,10,000	81,000	1,19,000
2.	Non-teaching	12,000	12,000	-	60,000	-	60,000
3.	Maintenance	10,000	10,000	-	50,000	-	50,000

Contd... 2/-



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1	2	3	4	5	6	7	8
4.	Library	4,000	4,000	-	20,000	9,017	10,983
5.	Scholarships	60,000	60,000	-	3,00,000	81,738	2,18,262
					<u>15,11,500</u>	<u>3,64,919</u>	<u>8,21,581</u>

STATEMENT: II

DEVELOPMENT OF P.G. COURSE DURING THE VTH PLAN PERIOD GRANT FOR THE PURCHASE OF LIB. BOOKS AND JOURNALS

	Grant approved	Grant paid upto 31.3.77	BALANCE
1. Equipment	4,50,000	2,50,000	2,00,00
2. Library Books	1,58,000	1,00,000	58,000

BASIC GRANT FOR PURCHASE OF LIB. BOOKS AND EQUIPMENT DURING VTH PLAN

1. Library books	50,000	30,000	20,000
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9. The undergraduate course in Electronics, which has been running almost without staff, should be strengthened by making appointments against sanctioned posts immediately. The grants sanctioned by the Commission for purchase of equipment etc. should also be utilised immediately.
10. The Committee recommends starting of a postgraduate course in Machine Design, Department of Mechanical Engineering but the university should be told not to start any postgraduate course in future without the approval of the AICTE/UGC or without making proper preparations before undertaking such an activity.
11. The Teacher Fellowship Scheme of the UGC should be extended to teachers of the Engineering College also.
12. Efforts should be made to develop the existing departments to the optimum level before undertaking any expansion programmes.

A Summary of the financial recommendations of the Committee is given below:

<u>Department</u>	<u>Ist Priority</u>	<u>II Priority</u>
	(Rupees in lakhs)	
1. Department of Civil Engg.	3.90	1.00
2. Department of Elect. Engg.	6.90	2.00
3. Department of Mech. Engg.	8.00	2.40
4. Science Departments	1.70	0.45
5. Staff Quarters (UGC Share)	3.00	-
6. Canteen "	0.60	-
Total:	<u>24.10</u>	<u>5.85</u>

The grants recommended by the Visiting Committee for purchase of equipment, library books & journals are inclusive of the basic and other grants approved/paid by the Commission during the fifth five year plan.

The Committee is thankful to the Vice-Chancellor, the Registrar, the Principal and the staff of the University College of Engineering, Burla for their hospitality and co-operation extended in its work.

Sd/-  
(Prof. Ravi Dutta)

Sd/-  
(Prof. V. Subba Rao)

Sd/-  
(Prof. T.R. Mohan)

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : October 17, 1977

Item No.17 : To re-consider the recommendations of the Committee appointed to review the working of Diploma course in Television Engg. at Roorkee University.

On the recommendations of the Committee appointed by the Commission to examine the proposal of the Roorkee University for providing assistance for institution of one year P.G. Diploma Course in Television Engg. the University Grants Commission at its meeting held on 6th September, 1972 agreed to provide following grants for a period of 5 years for the above course subject to review of the working of the Diploma course at the end of three years:-

Non-Recurring:

1	Equipment	Rs.	2,00,000
2	Special material for T.V. studio and treatment etc.	Rs.	50,000
3	Books and journals	Rs.	20,000
		Rs.	<u>2,70,000</u>

Recurring:

1	Staff	One Professor or Reader and Two Lecturers.
2	Supporting Technical staff	Rs. 15,000/- p.a.
3	Working expenses, supply of material etc.	Rs. 10,000/- p.a.

The Commission later agreed in November, 1972 to provide assistance to the University for award of 10 scholarships of the value of Rs. 250/- p.m. The value of the scholarship was raised to Rs. 400/- p.m. in August, 1975.

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The Roorkee University started the course from 1st January, 1974 and thus three years were completed at the end of December, 1976. Therefore, the Commission appointed a committee to review the working of the Diploma Course in Television Engg. at Roorkee University consisting of the following:-

- 1 Prof. K.V. Raman  
Birla Institute of Technology & Science  
Pilani (Raj.)
- 2 Shri S. Subramaniam  
Director  
Staff Training Institute  
All India Radio  
New Delhi
- 3 Dr. Jagdish Shankar  
Director (SRC) (Member Secretary)  
U.G.C.  
New Delhi

\* p141-143 . . . . The Committee visited the department of Electronics and Communication Engg., Roorkee University on 9th March, 1977. The Report of the Committee is attached (Annexure.)\*

The University Grants Commission at its meeting held on 18th July, 1977 accepted the recommendations of this committee for continuation of the diploma course in Television Engg. at Roorkee University and desired that the course be treated as part of the 5th plan development programmes in Engg. & Technology on the usual conditions. The Commission agreed to provide the following additional assistance for the course during the 5th plan period over and above the amount approved for development schemes in Engg. and Technology.

A. Recurring:

- |  |                 |
|--|-----------------|
| i) Working expenses @ Rs. 1,000/- per student.                   | Rs. 10,000/- pa |
| ii) Guest Lecturers from AIR/Doordarshan/T.V. Manufacturing Unit | Rs. 5,000/- p.  |

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Rs. 15,000/-

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B. Non-Recurring:

i) Additional Equipment	Rs.	2,50,000/-
ii) Studio & Control room equipment	Rs.	50,000/-
	Rs.	<u>3,00,000/-</u>

Some of the important recommendations of this committee were as follows:-

1. The Committee is of the view that 10 students per batch is adequate because, the course being job oriented, one must look to the employment situation Rs. 10,000/- per year is, therefore, recommended towards working expense (at Rs. 1,000/- per student).

2. The Committee does not recommend the proposed 2 year M.Tech./M.E. course because such a course will be a disincentive and students are likely to leave midway, since in the existing set up of the Department there is a measure of flexibility. Moreover education in this area should be broad based and over specialisation should be avoided.

However, the fifth plan visiting committee which visited Roorkee University on 22-23rd April, 1977 recommended that the one year P.G. Diploma course in Computer Science and Technology and T.V. may be extended by one year more to enable the students to obtain M.Sc. (Tech.) degree in these areas with a total enrolment of 15 annually. The recommendations of the fifth plan visiting committee were also accepted by the Commission at its meeting held on 18th July, 1977.

In view of the position explained, it is for consideration whether the recommendations of the Committee specifically appointed to review the Diploma Course in Television Engineering or those made by the 5th plan visiting Committee in Engg. and Technology may be accepted.

The matter is placed before the Commission for consideration.

Report of the Committee to review the work of  
the Diploma Course in Television Engineering  
at the Roorkee University.

On the recommendations of a visiting committee the Commission had approved the institution of a job oriented postgraduate diploma course in television engineering at the Roorkee University and the approval was conveyed on 29th September, 1972. Assistance was available for 5 years subject to a review at the end of three years. However, the course actually started on January, 1974. and thus three years were completed at the end of December, 1976. The Commission, therefore, appointed a committee consisting of:-

- 1 Prof. K.V. Ramanan  
Birla Institute of Technology & Science  
Pilani
- 2 Shri S. Subramanian  
Director  
Staff Training Institute  
All India Radio  
New Delhi
- 3 Dr. Jagdish Shankar  
Director (SRC)  
U.G.C.  
New Delhi (Member Secretary.

to review the work of the Department in so far as this course is concerned.

The Committee visited the Department of Electronics and Communication Engineering, Roorkee University on 9th March, 1977 and held detailed discussions with the Head of the department and other colleagues and also saw the facilities available in the laboratory. The observations and recommendations of the committee are given below:-

The course was started from January, 1974 and has just completed three years. It is open to engineering graduates and M.Sc. (Physics) students with the objective that this one year diploma course will produce television technologists to meet the requirements of service and maintenance, and design and development in the T.V. industry. The two semester course provides theoretical instruction, laboratory practicals and a project in each semester. The Department also makes arrangements for

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industrial work experience and 6-8 weeks. The members were also informed that all the students who passed the course so far have been able to secure employment. The committee was satisfied that this diploma course is fulfilling a need and providing professional manpower in this area, and is therefore, of the view that this course may continue.

For this course, the Commission had sanctioned a non-recurring grant of Rs. 2.70 lakhs, one Professor or Reader and 2 Lecturers, Rs. 15,000/- p.a. for supporting technical staff and Rs. 10,000/- p.a. towards working expenses for ten students per year. The department has appointed one professor, two lecturers, one research technician, one senior Laboratory Assistant and one Lab. Attendant and has utilized the greater part of the grant. The department has now asked for substantial expansion of the facilities and of grants. After due deliberations the committee makes the following recommendations:-

- i) The course may be continued and another review made after 3-4 years to determine whether expansion is called for.
- ii) Equipment like Polyskop-Model II, Transfer impedance bridge, Noise figure set up, Digital Frequency meter, Directional Rs. 2.50 lakh coupler
- iii) (a) Studio and Control Room Equipment. The Committee does not recommend professional quality plumbicon camera. The existing closed circuit TV camera supplemented by the following will be adequate for the purpose of teaching the course:

Video Monitor (s)	}	Rs. 0.50 lakhs
Solid state T.V.		
exciter		
- (b) The Committee noted that Rs. 0.50 lakhs had been sanctioned earlier for the purpose of furnishing the studio. It considers the amount adequate as it is not necessary to have a professional class studio for the purpose of imparting training.
- iv) The committee is of the view that 10 students per batch is adequate because, the course being job oriented, one must look to the employment situation, Rs. 10,000/- per year is, therefore, recommended towards working expenses (at Rs. 1,000/- per student).

- v) The faculty and technical staff already sanctioned and appointed for this course may be continued.
- vi) The Committee recommends that the Department invites two guest lecturers each semester from All India Radio/Doordarshan Kendra and from TV manufacturing units to give 5 lecturers each. For payment of TA/DA and honorarium Rs. 5,000/- per year is recommended.
- vii) The committee noted that the third batch started in July, 1976. The committee strongly recommends that the Department should revert to starting the course from January each year so that the sandwich vacation can be used for industrial work experience which can again be reflected back in the second semester course.
- viii) The committee does not recommend the proposed 2 year M.Tech./ME course because such a course will be a disincentive and students are likely to leave midway since in the existing set up of the Department there is a measure of flexibility. Moreover, education in this area should be broad based and over specialization should be avoided.

The committee recommends that scholarships may be continued to 10 students per batch, as hitherto.

In summary, the grants/recommended are:-

Non-Recurring:

Equipment (vide ii above)	Rs. 2.5 lakhs
Studio & Control Room Equipment	Rs. 0.5 lakhs

Recurring:

Working expenses at Rs. 1000/- per student for 10 students.	Rs. 10,000/- p.a.
Guest lecturers Honorarium & T.A.	Rs. 5,000/- p.a.
10 scholarships per batch (Rs. 400/- each p.m.)	Rs. 48,000/- p.a.
1 Professor	As per existing staff.
2 Lecturers	
1 Technician	
1 Senior Laboratory Asstt.	
1 Laboratory Attendant	



Confidential

UNIVERSITY GRANTS COMMISSION

Meeting :

Dated : 17.10.1977.

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Item No. 18: To consider the report of the Visiting Committee appointed to assess the development proposals of the Visvesvaraya College of Engineering, Bangalore, Bangalore University, during the fifth five year plan.

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The Commission appointed a Visiting Committee to assess the proposals received from the Bangalore University for the development of Visvesvaraya College of Engineering, Bangalore during the fifth five year plan period. The Committee consisted of the following :

1. Prof. K. Krishnamacharyulu,  
Department of Civil Engineering,  
Andhra University,  
Waltair.
2. Prof. M.N. Chattopadhyaya,  
Department of Mechanical Engineering,  
Jadavpur University,  
Calcutta.
3. Prof. M. A. Pai,  
Department of Electrical Engineering,  
Indian Institute of Technology,  
Kanpur.
4. Prof. S. Soma Sundaram,  
Department of Production Engineering,  
Indian Institute of Technology,  
Bombay.
5. Prof. S. D. Raj,  
Department of Town Planning,  
School of Architecture & Planning,  
University of Madras,  
Madras.

The Committee visited the Visvesvaraya College of Engineering, Bangalore on 15th-16th July, 1977. Prof. S. Soma Sundaram could not join the Committee. During its visit, the Committee went round the College and had discussions with the Principal, Heads of Department, other faculty members, the Registrar and the Vice-Chancellor, Bangalore University. The Committee also met a cross section of students of the College.

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The Bangalore University was requested by the Commission to frame proposals for the development of the Visvesvaraya College of Engineering, during the fifth plan, to an extent of Rs.75 lakhs out of which 75% should be under first priority and 25% under second priority. However, the University sent proposals to the extent of Rs.199.54 lakhs as detailed below :-

	(Rupees in lakhs)
1. Department of Civil Engg.	52.96
2. Department of Elect. Engg.	48.25
3. Department of Mech. Engg.	65.33
4. Department of Studies in Architecture.	33.00
Total:	<u>199.54</u>

The University was requested to revise the proposals on its own, so as to keep within a ceiling of Rs.75 lakhs. Accordingly, the University submitted revised proposals as follows :-

	(Rupees in lakhs)
1. Department of Civil Engg.	22.00
2. Department of Elect. Engg.	21.00
3. Department of Mech. Engg.	21.00
4. Department of Studies in Architecture.	11.00
Total:	<u>75.00</u>

This also did not include provision for construction of buildings but while examining the proposals, the Committee has included the requirements of additional accommodation within the ceiling of Rs.75 lakhs.

p147-167 A copy of the report of the Visiting Committee is enclosed, as Annexure.\* The main observations and recommendations of the Committee are as follows :-

1. The Bangalore University started three post-graduate courses in Civil Engineering and one post-graduate course in Mechanical Engineering during 1974-75 without prior approval of the AICTE or the UGC. Since, it may not be possible to close down the courses which have already been started and where two batches of students have also come out may be recognised by the UGC. However, the University should be told clearly not to start any new post-graduate course in future without getting prior approval, as it has been experienced that it is not possible for the University to provide from its own funds, all the facilities necessary to maintain proper standards for such courses.

- 2. In view of the presence of highly sophisticated electronics industries in the city such as BEL, IIT, LRDE, HAL and NAL which need a good electronic back up a post-graduate course in electronics with an intake of 8 to 10 students per annum may be started.
- 3. About 35 to 40 per cent of the sanctioned staff position of each department are vacant at present. Taking into consideration, the large intake of the degree courses and a number of post-graduate courses which have been started and are functioning, the members of staff are overloaded and have to put in 28 to 30 hours a week. This results not only in the absence of any research effort on the part of the staff members but also falling standard of the existing courses. The Vice-Chancellor of the University, however, assured the Committee that immediate steps would be taken to fill in all the vacant posts as early as possible.
- 4. The drop out rate of students in the Visvesvaraya College of Engineering is negligible when compared to other engineering colleges in the country.
- 5. A majority of the faculty members need to be urged to develop research activities.
- 6. The liaison with the industry is also very poor.
- 7. There appears to be wide communication gap between the teachers and the heads of department and the University which needs to be narrowed.
- 8. The sense of participation and co-operation amongst various departments needs much to be desired.

The summary of the financial recommendations of the Committee is given below :-

	<u>Ist Priority</u>	<u>2nd Priority</u>
	(Rupees in lakhs)	
1. Deptt. of Civil Engg.	12.60	2.80
2. Deptt. of Elect. Engg.	23.20	7.65
3. Deptt. of Mech. Engg.	13.50	3.65
4. Deptt. of Architecture.	9.75	1.25
5. Science & Humanities.	0.50	0.10
Total:	<u>59.55</u>	<u>15.45</u>

The report of the Visiting Committee is placed before the Commission for consideration.

AS(SA)/DS(CE)

Report of the Visiting Committee on Fifth Five Year Plan proposals of the Bangalore University Visvesvaraya College of Engineering, Bangalore.

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To assess the proposals received from the Bangalore University for the development of Visvesvaraya College of Engineering, Bangalore during the Fifth Five Year Plan period, the University Grants Commission set up a Visiting Committee consisting of the following:-

1. Prof. K. Krishnamacharyulu,  
Department of Civil Engineering,  
Andhra University,  
Waltair.
2. Prof. N.N. Chattopadhyaya,  
Department of Mechanical Engineering,  
Jadavpur University,  
Calcutta.
3. Prof. M.A. Pai,  
Department of Electrical Engineering,  
Indian Institute of Technology,  
Kanpur.
4. Prof. S. Soma Sundaram,  
Department of Production Engineering,  
Indian Institute of Technology,  
Bombay.
5. Prof. S.D. Raj,  
Department of Town Planning,  
School of Architecture & Planning,  
University of Madras.
6. Shri B.R. Kwatra  
Assistant Secretary  
University Grants Commission  
New Delhi.

The Committee visited the Visvesvaraya College of Engineering, Bangalore on 15th-16th July, 1977. Prof. S. Soma Sundaram could not join the committee.

On the 15th July, 1977, the Visiting Committee had initial discussions with the Vice-Chancellor, the Registrar, Bangalore University, the Principal and Heads of Department of the Visvesvaraya College of Engineering, Bangalore. Thereafter, and on 16th July, the Committee went round the various departments, the laboratories, the workshops, the library, the hostels the canteen and had discussions with the faculty members and the students of the College of Engineering.

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Initially, the grants asked for by each Department of College of Engineering were as follows :

		(Rupees in lakhs)
1.	Department of Civil Engineering.	52.96
2.	Department of Electrical Engg.	48.25
3.	Department of Mechanical Engg.	65.33
4.	Department of Studies in Architecture.	33.00
Total:		<u>199.54</u>

However, it was pointed out to the Vice-Chancellor and Heads of Department, that the Commission had invited proposals to the extent of Rs.75 lakhs only out of which 75% should be in first priority and 25% in second priority and top priority should be given to strengthening and consolidation of the existing courses. The University therefore, submitted revised proposals to the extent of Rs.75 lakhs as follows :-

1.	Deptt. of Civil Engineering.	Rs. 22.00 lakhs.
2.	Deptt. of Electrical Engg.	Rs. 21.00 lakhs.
3.	Deptt. of Mechanical Engg.	Rs. 21.00 lakhs.
4.	Deptt. of Studies in Architecture.	Rs. 11.00 lakhs.
		<u>Rs. 75.00 lakhs.</u>

The revised proposals also did not include any provision for construction of buildings since the Principal and Heads of Deptt. of the Engg. College were under the impression that strengthening and consolidation does not include additional accommodation and therefore for construction of buildings, the University had asked for an additional assistance of Rs. 133.07 lakhs for moving the Departments from old campus to new campus. About this, also, the university authorities were told by the committee that provision for construction of buildings also has to be met within the over all allocation of Rs.75 lakhs. Keeping this in view, and the guidelines laid down by the Commission, the Committee examined the development proposals of the Visvesvaraya College of Engineering, Bangalore.

The statement showing the grants approved during Fourth Five Year Plan, the spill-over, the grants sanctioned and paid during the Fifth Five Year Plan is enclosed as Appendix-I.

BRIEF HISTORY AND BACKGROUND :

This College was established in the year 1917 by the Late Dr. M. Visvesvaraya and was known as Government College of Engineering, Bangalore. It is the oldest College in Karnataka State and one of the seven colleges first started in India. In 1957, this College was handed over to the Mysore University by the State Government. In 1964,

when the Bangalore University was established, the College was transferred to the Bangalore University with all its assets and liabilities. In 1969, the name of the College was changed to University Visvesvaraya College of Engineering in honour of its founder Dr. M. Visvesvaraya.

At present, the College is running degree courses in Civil, Electrical, Electronics, Mechanical, Architecture, Part-time B.E., Degree Course for Diploma holders and post-graduate diploma courses in Instrumentation and Industrial Electronics for Science Graduates. The College is also offering courses at the post-graduate level leading to Masters and Ph.D. degrees in Engineering since 1960. Post-graduate courses in Machine Design by the Department of Mechanical Engineering, Structure Engineering, Soil Mechanics and Foundation Engineering and Environmental Engineering by Civil Engineering Department and Power Systems by Electrical Department were also started during the Third Five Year Plan. Due to great demand in other fields by graduates and employed Engineers, new postgraduate courses in High-way and Airport Engineering, Material Science and Construction Technology, and Prestressed Structures in the Department of Civil Engineering and Metal Casting Science and Engineering in the Department of Mechanical Engineering were started in the year 1974-75. These courses were however started without the prior approval of the A. I. C. T. E. or the U. G. C.

Enrolment of students to various undergraduate courses during 1974-75 and 1975-76 was as under :-

Civil Engineering	100
Electrical Engg.	80
Electronics.	45
Mechanical.	80
Architecture.	30

At the postgraduate level the enrolment ranges from 6 to 10 plus 2 sponsored candidates for each branch.

Till 1973, all the Departments of the College were located in the city campus. In March, 1974, the Department of Civil Engineering was shifted to the new campus at JNANA BHARATI, Bangalore and housed in a very spacious building. The University also desires to shift the other departments to the new campus but it was pointed out by the committee that it may not be possible for the Commission to provide assistance for the construction of buildings to shift all the departments together. The construction programme therefore, has to be phased and the University could plan to shift only one of the existing departments in the old campus to the new campus during the current plan period.

The major problem of the Bangalore University has been the starting of three postgraduate courses in Civil Engineering and one post-graduate course in Mechanical Engineering during 1974-75 without prior

approval of the A.I.C.T.E. or the U.G.C. The Vice-Chancellor, therefore, stressed the need for recognition of these courses and he said that it was neither possible for the University to provide all the facilities to maintain proper standards for these courses, nor to close down these courses in view of a number of students seeking admission to these courses every year. The Committee noted with regret that the Bangalore University started these four postgraduate courses without any proper planning and infrastructure to ensure proper standards but since it is not possible now to discontinue these courses, the committee recommends that the Commission may approve these courses but with a clear understanding that in future the University will not start any new course without prior approval of the A.I.C.T.E./U.G.C.

The recommendations of the Visiting Committee for each Department are as follows :-

1. Department of Civil Engineering :

The Department of Civil Engineering has been admitting 100 students per annum to the undergraduate course and about 8 students (including two sponsored candidates) to each postgraduate course. Postgraduate courses leading to the M.E. Degree were started in 1960 and the courses offered till 1974 were the conventional (i) Structural Engineering (ii) Soil Mechanics and Foundation Engineering (iii) Environmental Engineering. These were approved and are being supported by the UGC. In 1974, three more postgraduate courses were started in anticipation of sanction of the UGC. These are (i) Highway and Airport Engineering (ii) Material Science and Construction Technology (iii) Prestressed Concrete. The Department has been moved into the new building in the Jnana Bharati Campus and has considerable space for class rooms, laboratories, workshops etc. However, being the oldest Department, it has a considerable equipment acquired over a number of years, some of which has become very old and needs replacement. The equipment available in the Department is being fully utilised.

The sanctioned staff strength of this Department is 42 comprising 6 Professors, 12 Readers and 24 Lecturers. Out of these 9 posts (one Professor and 8 Lecturers) are vacant for a number of years. Besides one Professor, 2 Readers and 3 Lecturers are out on Quality Improvement Programmes or Foreign Service. The Department is, therefore, functioning with only 27 out of 42 i.e. 65% of staff. Taking into consideration, the large intake into B.E. Degree Courses and the number of postgraduate courses that have been started and are functioning, the shortage of staff results in overload and consequent fall in standards. During the V Five Year Plan, the Department has asked for an additional staff of 4 Professors, 9 Readers and 8 Lecturers. This is very much on the high-side. When the vacancies and other posts are filled in, the requirement will not be this much.

So far, about 130 M.E. students have gone out (87 in structures, 25 in Soil Mechanics and 18 in Environmental Engineering. 4 Ph.Ds have been produced by the Department and 10 are currently registered for the Ph.D. Degree. The research activity of the Department is good and it goes to the credit of a few staff members recruited at senior positions directly from other universities that the Department appears to have a lot of research potential.

The University has also proposed starting of a new post-graduate course in Water Resources Engineering but the committee feels that it would not be justified to start any new postgraduate course at this stage. The assistance recommended by the committee for this department for the Fifth Five Year Plan is given in Appendix II.

Department of Electrical Engineering :

The Department of Electrical Engineering is offering facilities for studies in the following fields :

- 1) B.E. (Electrical) 80
- 2) B.E. (Electronics) 45
- 3) M.E. (Power Systems) 10
- 4) Part-time B.E. (Electronics for Diploma Holders) 30
- 5) P.G. Diploma in Instrumentation (for B.Sc. Degree Holders) 30
- 6) P.G. Diploma in Electronics (for B.Sc. Degree Holders) 30

Programmes 1,2 and 3 are full time day courses whereas 4, 5 and 6 are evening courses with laboratory services on holidays offered by the faculty on the basis of extra honorarium.

The Department has a sanctioned strength of 4 Professors, 11 Readers and 23 Lecturers. Against this, the staff in position is 4 Professors, 6 Readers and 17 Lecturers. The existing staff is inclusive 3 or 4 staff members who have gone abroad on leave. The non-academic staff has a sanctioned strength of 28 consisting of one Foreman, 3 Laboratory Assistants, 4 Instructors, 10 Mechanics and 10 Helpers. Against this, the non-academic staff in position is three mechanics and 7 Helpers only.

A perusal of the outturn of graduates and postgraduates indicates that the dropout rate is negligible. This is an encouraging sign as compared to other Engineering Colleges in the country. Following the national trend, the Electronics stream is more in demand than the Electrical stream. However, job opportunities for all graduates



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appear to be adequate. The curriculum which is also common to other affiliated engineering colleges appears to be rather conventional. It does not prepare the student for an R&D career and also lacks a strong project orientation. The reason for this lies in poor staffing pattern (academic and non-academic) and inadequate laboratory facilities emphasising modern aspects in Electrical & Electronics Engineering. Except for the AC and DC machines laboratory and Measurements Lab., the rest of the laboratories are poorly organized. It is shocking to see that there are only three mechanics and 7 helpers as supporting staff in the entire department. Development of Labs is difficult without adequate supporting staff. One would like to see well developed laboratories in the areas of Electronics circuits (including digital Electronics) Control Systems and Communication to give a well rounded education to an undergraduate. Except for AC and DC machines Lab & Measurements Lab., there are no other well organized laboratories. This may be because of cramped space and inevitability of shifting to new Campus.

Two important proposals of this department relate to shifting of the department to new campus and starting of a M.E. course in Electronics. Shifting of all the departments to the new campus is based on the policy of the State Govt. and the University. The second proposal also appears to have sufficient strength. This is because Bangalore has perhaps, the most sophisticated Electronics industries in the country such as BEL, ITI, LRDE and a lot of other industries such as HAL, NAL, which need good Electronics back up. A large number of small scale Electronics industries are bound to come up in the region and the State. There is, therefore, no doubt that persons with R & D background would be needed for all these industries. The Committee therefore, recommends that a M.E. course in Electronics with a sanctioned intake of 8 to 10 students per annum may be approved. For this course one professor and two lecturers under first priority and one lecturer under second priority are recommended. So far as recruitment is concerned, it is necessary that proper qualified persons be recruited for both existing and new vacancies. Persons recruited at the professor's level must have a Doctorate, proven record of research, guidance, good publication record etc. A disturbing trend in the staffing pattern, both academic and non-academic is the large number of vacancies remaining unfilled for years together. This results in excessive teaching loads, as much as 28 hours per week, per faculty member and ultimately affects the quality of teaching and research.

The area of specialisation for the new posts recommended by the committee and for the existing vacancies are as follows :

First Priority

<u>Professor</u>	Electronic circuits/communications/Network theory with teaching and Lab Development experience in Electronic circuits.
<u>Lecturer</u>	Electronic Circuits - 2

p.t.o.

Second Priority

Lecturer Network theory/Communication

For existing vacancies

Electronic Circuits	2
Communication	1
Network theory	1
Power Systems	2

For equipment, the committee recommends a grant of Rs. 10 lakhs under first priority and three lakhs under second priority. The grant under first priority should be specifically used for the development of:

- i) Laboratory for Electronic Circuits including digital Electronics.
- ii) Electronic fabrication shop
- iii) Printed Circuit facility
- iv) Communication Laboratory

Under 2nd priority, the equipments must be used to develop following laboratories :

- 1) Control Systems
- 2) Protective Relaying Lab
- 3) Updating of Machines and Measurement Laboratory.

To ensure proper development of labs, as recommended by the committee, the committee feels, it would be desirable for the Visveswarayya College of Engineering to associate an Expert faculty member in electronics from the Indian Institute of Science, Bangalore, not only for acquiring new equipment but also for development of facilities such as printed circuit.

Working expenses of Rs.25,000/- are recommended for visits, conferences, inviting experts and organizing seminars etc.

As regards buildings, the committee recommends an amount of Rs. 10.00 lakhs under priority-1 and Rs. 4.00 lakhs under second priority. This has been done on the following assumptions :

- 1) Electrical Engineering Department requires for less space than Mechanical Engineering Department and hence a building to accommodate the Electrical Engineering Department can be constructed during the V Plan. All the existing laboratories of the Electrical Engineering Deptt. can be shifted easily. Space for class-rooms can be adjusted with the Civil Engg. Deptt. temporarily if the entire new building cannot be completed during the Fifth Five Year Plan.

The Committee feels that if the Department fills vacancies with emphasis on quality and calibre and also takes steps to develop the Electronics and Communication section as recommended, the Department would be able to develop into a place of good quality instructions at degree and postgraduate levels. The grants recommended by the committee for this department are indicated in Appendix III.

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Mechanical Engineering Department :

The Mechanical Engineering is providing facilities for undergraduate courses in Mechanical Engineering and postgraduate courses in Machine Design and Metal Casting Science and Engineering. The enrolment and out turn for degree and postgraduate courses during the last three years was as follows :

a) Under-Graduate Course:

	Year	No. of students admitted.
1.	1973-74	60 students
2.	1974-75	80 students
3.	1975-76	80 students.

b) Post-Graduate Course:

No.	Year	No of students admitted.	
		M. E. in M/c Design.	M. E. in Metal Casting Science & Engineering
1.	1973-74	10	5
2.	1974-75	10	5
3.	1975-76	10	5

Out turn for the last three years (separately for undergraduate and postgraduate).

a) Undergraduate Course:

No.	Year	Out turn of students	B. E. (Mechanical)
1.	1973-74	53	
2.	1974-75	42	
3.	1975-76	50	

b) Postgraduate Course:

No.	Year	Out turn of students	
		M. E. in Machine Design.	M. E. in Metal Casting Science & Engineering.
1.	1973-74	1	Nil.
2.	1974-75	1	Nil.
3.	1975-76	5	2

Two scholars have completed their research work for Ph. D. and three are at present registered for the Ph. D. The Department has three research projects being financed by the UGC. The Department has sanctioned strength of 3 Professors, 7 Readers and 19 Lecturers. Against this, staff in position is 2 Professors, 5 Readers and 14 Lecturers. The remaining lecturers are understood to have gone abroad for faculty improvement.

After visiting the Department, laboratories and workshops, the committee feels that for the development of undergraduate and post-graduate courses, the Department needs better laboratory facilities and other material amenities by replacing old equipment both in laboratories and workshops. For undergraduate courses, Metrology laboratory, Metallographic laboratory, Metal cutting and Machine Tool laboratory should be immediately installed. Facilities in the existing laboratories such as Machine Design laboratory and Metal Casting laboratory should be improved by adding new equipment. Improvement of workshop facilities also seems extremely necessary. Postgraduate work in Machine Design and Metal Casting Science and Engineering is in good progress in this Department. However, some additional equipment is needed for running these courses and also for basic and Applied Research in these areas. Space is a big problem in the city campus. However, the problem will be solved when the Department shifts to the new campus. For the present, the department could make use of the space to be vacated by the department of Electrical Engineering. The assistance recommended by the committee for this department is indicated in Appendix-III.

Department of Architecture:

The Department of Architecture is the youngest Department in the Visvesvaraya College of Engineering, Bangalore. It is just completing its tenth year. The annual intake to the Department which had risen to 40 in the past, has now stabilised at 30 per annum. The staff strength (teaching) includes one honorary Professor, one Reader and four Lecturers for a student strength of about 110. Presently, it is housed in a wing of the city campus of the College. However, a new building is being constructed for the Department of Architecture in the Jainganja Bherati Campus, and the Department is likely to shift there in about six months.

The V Plan proposals of the Department indicate a total estimate of Rs. 11 lakhs under first priority and Rs. 33 lakhs under second priority as follows :

	Ist Priority	2nd Priority
1. Buildings	-	-
2. Equipment	8.00	
a) Building Materials museum		24.50
b) Model making workshop		
c) Climatology laboratory		
d) Research laboratory		
e) Crafts		

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- f) Students' and class room
- g) Teachers' requirement
- h) Office equipment
- i) Field work equipment
- j) Consolidation of existing undergraduate course.

3.	Staff	2.00	6.50
4.	Library	1.00	2.00
		<hr/>	<hr/>
		11.00	33.00
		<hr/>	<hr/>

Taking into consideration, the requirements as indicated above and relating them to the present stage of development of the Deptt., its potential for future growth and the constraints that had led to shortfalls, the committee's observations on various items are as follows :-

#### BUILDING

No provision has been made in the Fifth Plan proposals of the Deptt. for allocation of funds for the completion of the building in progress, obviously with the presumption or hope that separate grant will be made available for the purpose. The Principal, Visvesvaraya College of Engineering, Bangalore mentioned during discussions, that since the word "Building" did not appear in the guidelines sent by the UGC, the College had not included anything for construction of buildings within the allocation of Rs.75 lakhs and the College expected that the Commission would provide funds for construction of buildings outside the Fifth Plan allocation. However, when it was pointed out to the Vice-Chancellor and the Registrar that provision for buildings has to be within the overall allocation of Rs.75 lakhs, the Vice-Chancellor and the Registrar agreed that the proposals may be assessed keeping in view the requirements of accommodation and the commitment of the University that all Departments of the Engineering College have to ultimately shift to the new campus. In accordance with this, the committee has recommended additional assistance for construction of buildings for the Electrical Engineering Department to the new campus. For the Department of Architecture, it was understood that the new building, for which plans and estimates have already been accepted by the Commission, is likely to cost about Rs.12 lakhs. The Committee therefore, recommends an assistance of Rs.6 lakhs under first priority for the completion of the new building for the Deptt. of Architecture. This would be inclusive of the assistance already agreed to by the Commission for this purpose. The Committee would also like to record that this priority has been given not only on the basis of priorities indicated by the Vice-Chancellor and the Registrar but also for the orderly growth of the Department whose major constraint in the past has been a lack of essential space for classes, student, staff rooms, display areas, laboratories and workshops.

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Equipment:

The Committee was sorry to see the gross inadequacy of equipment so necessary for the development of the Department of Architecture. Though good use has been made of the workshop and survey laboratory facilities of the Mechanical and Civil Engineering Departments, their adaptation to the needs of the students of Architecture seems to have received little attention. Hence the next priority has been given to the acquisition of essential equipment. However, against the first priority requirements of Rs. 8 lakhs and second priority requirement of Rs. 24.50 lakhs of the University, the Committee recommends an allocation of Rs. 3.00 lakhs under first priority and Rs. 1.00 lakh under second priority. It is felt that these would be more viable to be effectively utilised within the remaining 20 months of the V Plan period. Within the funds available, the Department should give priority to (a) Consolidation of undergraduate courses, (b) students' and class room equipment, (c) Model making workshop, and (d) building materials museum. Strengthening of the course with the speedy commissioning of these equipments has to be taken up expeditiously as both the . . . teaching staff and the students expressed their deep dissatisfaction at their non-availability, and the consequent deficiencies in the teaching and training programmes, both in the theory classes and in the practical study projects.

Staff:

The existing staff position indicates that against the sanctioned strength of one Professor, 4 Readers and 5 Lecturers, 3 Posts of Readers and 2 posts of Lecturers are lying vacant. The Visiting Committee noted that this situation was primarily responsible for the very mediocre quality of teaching and instruction especially in the studio-programmes on the one hand and very little of research or extension work being undertaken by the teaching staff on the other. This again is due to the very heavy teaching load in terms of number of hours of teaching and the total number of contact hours. Further, formalisation of private practice of the technical staff seems necessary. In this Department particularly, since well qualified teachers are not easily available, efforts should be made to make full use of the visiting staff and also by inviting experienced architects.

The question of creating additional teaching posts for consolidating existing undergraduate course and for starting new postgraduate course was discussed in detail and the committee feels that these should be deferred for the present. Proposal for starting new postgraduate course also may be postponed to the Sixth Plan as the present progress of the department does not warrant starting any new course during the current plan period. However, when the department grows in stature and postgraduate programmes are also introduced, preference should be given to starting a course in landscape architecture. Other courses such as housing, regional planning and

transport engineering have to be viewed as inter-disciplinary courses and as such comprehensive inter-departmental programmes will have to be worked out. Moreover, before starting such new courses, a preliminary assessment of manpower requirements and placement facilities in the region have also to be undertaken.

#### Library books and Journals:

The number of books available and the journals and magazines subscribed by the department was not readily available. The teaching staff and the students however indicated their gross inadequacy. Considering the primary importance of books and journals in a vast developing field like architecture, the committee recommends an assistance of Rs.0.50 lakhs under first priority and Rs.0.25 lakhs under second priority. While purchasing the books, care should be taken to order more copies of the text-books, as books in architecture are very costly and students cannot easily afford to buy them.

During discussions with the teaching staff and the students of the department, it was mentioned that the students of architecture had to incur heavy expenditure on stationery and on their educational tours, whereas for students of science, engineering and technology departments, consumables in their labs, and workshops are either provided by the departments or are highly subsidised. The Committee therefore recommends that a provision of Rs.0.25 lakhs be made, not only to cover consumables, service and maintenance charges but also to subsidise expenditure on stationery and tours.

The total grants recommended by the committee for this department are as follows :-

	<u>First Priority</u> Rs.	<u>Second Priority</u> Rs.
Building	6.00 lakhs	nil
Equipment	3.00 lakhs	1.00 lakh
Library books & Journals	0.50 lakhs	0.25 lakh
Contingencies	0.25 lakh	nil
	<u>9.75 lakhs</u>	<u>1.25 lakhs</u>

The teaching of Physics, Chemistry and Mathematics as well as Humanities and Social Sciences to the students of Engineering College will take a proper shape only when all the departments are shifted to the new campus. The committee feels that after all the departments shift to the new campus, the responsibility for teaching Science/Humanities/Social Science subjects to the students of Engineering College should be borne by the main Science Departments of the University, even though, the laboratories could be located in the Engineering Departments, for strengthening the undergraduate teaching

of Science and Humanities subjects to Engineering students, the committee recommends the following assistance :-

	<u>First Priority</u>	<u>Second Priority</u>
	Rs.	Rs.
1. <u>Deptt. of Physics</u>		
Equipment	15,000	5,000
Library books & Journals	5,000	nil
2. <u>Deptt. of Chemistry</u>		
Equipment	15,000	5,000
Library books & Journals	5,000	nil
3. <u>Deptt. of Mathematics</u>		
Books	5,000	nil
4. <u>Humanities &amp; Social Sciences and English</u>		
Books	5,000	nil
	<u>50,000</u>	<u>10,000</u>

General Library Facilities:

The Civil Engineering Department is availing of the library facilities from the main University library whereas the departments of Electrical Engg., Mechanical Engg. and Architecture are using the old library in the city campus. Over 12,000 books are available for the students of the Engineering College. From its own resources, the University is spending about Rs.5.00 lakhs per annum on books and Rs.3.00 lakhs p.a. on journals for all the faculties. The University library remains open from 8.00 a.m. to 8.00 p.m. During the first term, and 8.00 a.m. to 9.00 p.m. during the second term. On Saturdays, Sundays and other holidays, the reading room remains open from 10.30 a.m. to 5.30 p.m. In all, the library remains open for 360 days during the year and only five holidays are observed on account of Independence day, Mahatma Gandhi's Birth Day, Vijaya Dashmi, Republic Day and Deepawali. The average number of books issued to students of all the faculties is about 475 per day. The average daily attendance in the library is 450. During meeting with the students, the students expressed difficulty in getting textbooks and pointed out that only three or four copies of each book are being purchased at present. The Committee recommends that with the grants recommended for books and journals steps should be taken to purchase at least eight copies of each book which could be used as a book bank facility.

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Students Amenities:

Students Amenities in the old campus are almost negligible. In the new campus, however, a canteen has been set up which provides tea/coffee and snacks at very reasonable rates. But the atmosphere is not conducive to peaceful sitting and eating. The standard of cleanliness in the canteen also leaves much to be desired. The students in the new campus are also facing a major difficulty of getting regular transport to go to the city. Some of the students said that they have to wait for quite some time to get a bus for going to the city. However, on checking up with the University authorities, it was found that the University has put a senior officer in charge of looking after the transport needs of the students and everything possible within the available means, is being done.

Alumni Associations:

The Alumni Association of the Visveswaraya College of Engineering was founded in 1951. The Silver Jubilee of the Association was celebrated during 1976 and in commemoration of the Silver Jubilee it was proposed to construct a building in the city campus between the Mechanical Engineering Department and the Mysore Engineers Association. The Bangalore University has provided free land to the Association for the construction of the building and the foundation stone of the building was laid by the Chancellor of the University on 1st of May, 1976. The building under construction consists of an auditorium in the ground floor, a seminar hall, a committee room and the library room in the first floor and four guest rooms in the second floor. The total estimated cost of the building is expected to be Rs. 5.00 lakhs. Out of this, the Alumni Association has raised funds to the extent of Rs. 2.5 lakhs through donations etc. and expects an assistance of Rs. 2.5 lakhs from the UGC. The Committee met the office bearer of the Alumni Association wherein the latter stressed the need for early completion of the building and requested that the Commission may provide an assistance of Rs. 2.50 lakhs in this regard. However, during discussions with the heads of department, the Registrar and the Vice-Chancellor, the University authorities said that if any assistance the Commission would like to provide for this project, it should be outside the allocation of Rs. 75 lakhs. Much as the visiting committee would like to recommend some token assistance for the building being constructed by the Alumni Association, it regrets that it terms of reference do not permit any recommendation outside the allocation of Rs. 75 lakhs.

General observations and recommendations:

1. The Bangalore University started three postgraduate courses in Civil Engineering and one postgraduate course in Mechanical Engineering during 1974-75 without prior approval of the AICTE or the UGC. Since, it may not be possible to close down the courses,

the Committee recommends that these postgraduate courses which have already been started and two batches of students have also come out may be recognised by the UGC. However, the University should be told clearly not to start any new postgraduate course in future without getting prior approval, as it has been experienced that it is not possible for the University to provide from its own funds, all the facilities necessary to maintain proper standards for such courses.

2. In view of the presence of highly sophisticated electronics industries in the city such as BEL, ITI, LRDE, HAL and NAL which need a good electronic back up, the committee recommends the starting of a postgraduate course in electronics with an intake of 8 to 10 students per annum.

3. About 35 to 40 per cent of the sanctioned strength of each department is lying vacant at present. Taking into consideration, the large intake to the degree courses and a number of postgraduate courses which have been started and are functioning, the members of staff are overloaded and have to put in 28 to 30 hours a week. This results not only in the absence of any research effort on the part of the staff members but also falling standard of the existing courses. The Vice-Chancellor of the University, however, assured the committee that immediate steps would be taken to fill in all the vacant posts as early as possible.

4. The Committee is happy to note that the drop out rate of students in the Visveswaraya College of Engineering is negligible when compared to other engineering colleges in the country.

5. A majority of the faculty members need to be urged to develop research activities.

6. The liaison with the industry is also very poor.

7. There appears to be a wide communication gap between the teachers and the heads of department and the University. Some heads of department mentioned that they were not aware of the funds released by the Commission towards purchase of equipment and library books. Some heads of department even went to the extent of accusing the University authorities for diversion of funds to other purposes, as some of their bills towards equipment purchased were returned by the University office due to non-availability of funds. The Vice-Chancellor admitted that there might have been some temporary diversion but assured the committee that funds being provided by the Commission are being utilised for the purpose for which these are given.

8. A sense of participation and co-operation amongst various departments also needs much to be desired.

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A summary of the financial recommendations of the committee is given below :-

<u>Name of the Department.</u>	<u>Ist Priority</u>	<u>2nd Priority</u>
	(Rs. in Lakhs)	
1. Deptt. of Civil Engg.	12.60	2.80
2. Deptt. of Electrical Engg.	23.20	7.65
3. Deptt. of Mechanical Engg.	13.50	3.65
4. Deptt. of Architecture.	9.75	1.25
5. Science and Humanities.	0.50	0.10
	<u>59.55</u>	<u>15.45</u>

The grants recommended by the committee for equipment library books and journals are inclusive of the grants already approved by the UGC for these items during the Fifth Five Year Plan.

The Committee is thankful to the Vice-Chancellor, the Registrar, the Development Officer, Bangalore University, the Principal, the heads of department and other staff members of the Visveswaraya . . . College of Engineering for their hospitality and cooperation extended during its visit.

Prof. K. Krishnamacharyulu

Prof. M.A. Pai

Prof. N.N. Chattopadhyaya

Prof. S.D. Raj

B.R. Kwatra.

## BANGLORE UNIVERSITY

## STATEMENT OF SPILL-OVER TO VTH PLAN

S.No.	Name of the Scheme.	Approved cost.	UGC Share	Grant paid 31.3.1974.	Spill-over to Vth plan.	Grant paid upto 31.3.77	Balance.
<u>Development of P.G. Courses in Engg. &amp; Tech.</u>							
<u>NON-RECURRING (100%)</u>							
1.	Building.	-	-	-	-	-	-
2.	Equipment.	3,20,000/-	3,20,000/-	-	3,20,000/-	-	3,20,000/-
3.	Library Books.	30,000/-	30,000/-	-	30,000/-	-	30,000/-
<u>RECURRING ( FOR 5 YEARS)</u>							
1.	Staff.	80,000/-p.a.	80,000/-	-	4,00,000/-	60,000/-	3,40,000/-
2.	Non-Teaching.	12,000/-p.a.	12,000/-	-	60,000/-	-	60,000/-
3.	Lib. Books.	4,000/-p.a.	4,000/-	-	20,000/-	-	20,000/-
<u>Development of U.G. Course in Engg.</u>							
<u>Non-Recurring (50%)</u>							
1.	Building.	9,63,000/-	4,81,500/-	-	4,81,500/-	-	4,81,500/-
2.	Equipment.	12,85,000/-	6,42,500/-	-	6,42,500/-	1,56,000/-	4,86,500/-
3.	Lib. Books.	60,000/-	30,000/-	-	30,000/-	-	-
<u>Development of P.G. Course in Public Health Engg.</u>							
<u>Non-Recurring (100%)</u>							
1.	Equipment.	1,00,000/-	1,00,000/-	-	1,00,000/-	-	1,00,000/-
<u>Recurring (for 5 years)</u>							
2.	Staff.	35,000/-	35,000/-	57,500/-	1,17,500/-	25,000/-	92,500/-
					<u>22,01,500/-</u>	<u>2,41,000/-</u>	<u>19,30,500/-</u>

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STATEMENT II

Statement showing the grants paid to Bangalore University during the Vth Plan period

S.No.	Name of the Scheme.	Grants approved	UGC Shre.	Grant paid upto 31.3.77	Balance
Development of P.G. Course in Engg. & Technology - Grant for Equipment and Library books.					
1.	Equipment	11,25,000/-	11,25,000/-	9,10,000/-	2,15,000/-
2.	Lib. Books	4,22,000/-	4,22,000/-	3,40,000/-	82,000/-
Basic grant for the purchase of library books and Equipment.					
	Equipment	1,00,000/-	1,00,000/-	-	1,00,000/-
	Library books	50,000/-	50,000/-	-	50,000/-
					<u>4,47,000/-</u>

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Appendix-II

Abstract of Equipment Grants Recommended

(Lakhs of Rs.)

Branch	Priority I	Priority II	
	Equipment	Working expenses	Equipment.
Structural Engineering.	0.82	0.06	0.20
Soil Mechanics & Foundation Engineering.	1.70	0.06	0.40
Environmental Engineering.	1.43	0.06	0.40
Highway & Airport Engg.	1.65	0.06	0.40
Prestressed Concrete.	1.40	0.06	0.40
Materials Science and Construction Technology.	1.30	0.06	0.20
Allied subjects.	0.70	-	-
	<u>9.00</u>	<u>0.36</u>	<u>2.00</u>

BOOKS & JOURNALS GRANT RECOMMENDED

(Lakhs of Rs.)

Branch	Priority I	Priority II
	Structural Engineering.	0.25
Soil Mechanics & Foundation Engg.	0.25	0.10
Environmental Engg.	0.25	0.10
Highway & Airport Engg.	0.30	0.10
Prestressed Concrete.	0.10	0.05
Material Science & Technology	0.20	0.05
Allied Subjects.	0.15	-
	<u>1.50</u>	<u>0.50</u>

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Additional Staff recommended.

Branch & Specialisation : Ist Priority

- I Reader in Sanitary Microbiology.
- I Lecturer in Sanitary Chemistry.

Highway & Airport Engineering:

- I Reader in Soil Mechanics.
- I Lecturer in Highway Engg./Pavement design.

Prestressed Concrete:

- I Lecturer in Prestressed Concrete Structures.

Material Science & Construction Technology:

- I Reader & I Lecturer with specialisation in Material Science/Construction Technology.

Priority II

- 1 Lecturer in Structural Engineering.
- 1 Lecturer in Prestressed Concrete.

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Abstract of staff requirements and financial commitment for the remaining plan period.

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I Priority:	3 Readers & 4 Lecturers	- Rs. 1.74 lakhs.
II Priority:	2 Lecturers	- Rs. 0.30 lakhs.

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Appendix-IIIELECTRICAL ENGINEERING DEPARTMENT

(Rs. in lakhs)

	First Priority	Second Priority
1. Salary (IP +2L) Ist Priority (II )2nd Priority	0.75	0.15
2. Equipment	10.00	3.00
3. Books	2.00	0.50
4. Building	10.00	4.00
5. Working Expenses	0.25	-
Total:	<u>23.20</u>	<u>7.65</u>

DEPARTMENT OF MECHANICAL ENGINEERING

(Rs. in lakhs)

	First Priority	Second Priority
1. Equipment		
(a) Consolidation & Strengthening of undergraduate courses.	3.00	1.00
(b) Postgraduate courses in Machine Design.	3.50	1.00
(c) Metal, Casting Science and Engineering.	3.50	1.00
2. <u>Books &amp; Journals:</u>		
(a) Undergraduate courses.	1.00	0.30
(b) Machine Design.	0.75	0.10
(c) Metal, Casting Science & Engineering.	0.75	0.10
3. Additional Staff:	0.75	0.15
One Professor		
Two Lecturers under I Priority		
One Lecturer under II Priority		
4. Working Expenses	0.25	-
Total:	<u>13.50</u>	<u>3.65</u>



UNIVERSITY GRANTS COMMISSION

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Meeting:

Date : 17th October, 7'

Item No 19 : To consider the report of the Visiting Committee appointed to examine the proposals of the colleges located in the City of Madras for the development of their post-graduate studies during the fifth plan.

The Commission at its meeting held on 16th March, 1975 accepted the recommendations of the Committee appointed by it to finalise the norms for the introduction of postgraduate courses in the colleges and other related matters and accepted the recommendations regarding the norms for the introduction of post-graduate courses as given in Annexure-I\*

The Committee inter-alia observed that the norms should be applied to such departments which may be established in future and the existing colleges may be assisted to come upto these norms. It also recommended that it could be desirable to carry out the survey of the existing postgraduate colleges in relation to these norms. However, in the case of Madras University such a survey has not yet been undertaken by the University.

Pending such a survey the Commission decided to continue its programme of providing assistance to the affiliated colleges for improvement of existing facilities for postgraduate education on a selective basis during the current plan period. A copy of the letter issued in this regard indicating the norms and sharing basis for providing assistance for the development of postgraduate departments in colleges under this programme is attached as Annexure-II.@

The proposals received from the postgraduate colleges located in the city of Madras were examined with the help of a visiting committee consisting of the following:-

- 1 Prof. M. Srirama Rao  
Department of Physics  
Andhra University
- 2 Prof. R. Anantharaman  
Department of Chemistry  
Kerala University

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- 3 Prof. A. Gnanam  
Department of Botany  
Madurai University.
- 4 Prof. M.A. Rao  
Department of Zoology  
Karnatak University
- 5 Prof. T.K. Ravindran  
Department of History  
Kerala University
- 6 Dr. Y.D. Phadke  
Department of Pol. Science  
Bombay University
- 7 Prof. S.P. Sinha  
Department of Economics  
Bihar University.
- 8 Dr. Y.J. Rao (For Presidency College only)  
Department of Geology  
Osmania University
- 9 Dr. S.P. Shanmuganathan (Representative of the  
University)
- 10 Dr. T.N. Hajela (Secretary to the Committee)  
Deputy Secretary  
University Grants Commission  
New Delhi

The Committee visited 12 colleges from 10th December, 1976 to 17th December, 1976 and examined their proposals as per programme given in Annexure I of the report. A detailed report of these colleges is given in Annexure-III.\*

\* p 181

While examining the proposals of these colleges the Committee kept in view the norms prescribed by the Commission as well as the urgent needs of the department concerned. The committee has generally recommended assistance for building projects only in the case of those departments where the norms prescribed by the Commission are fulfilled.

The Committee assessed the requirements of the departments after taking into account the existing programme of teaching and research, the research output

of individual teachers, the existing physical facilities in terms of books and journals, equipment, accommodation etc. Therefore, the main emphasis of the Committee has been on the strengthening of the library and laboratory facilities and improving the quality of the staff.

In the case of departments where the standard of research is very high and where the staff and the research programmes need encouragement, the Committee has gone out of the way to recommend some staff and junior research fellows e.g. in the case of Madras Christian College, Department of Botany and Vivekanand College in the Department of Economics, the Committee has recommended one junior research fellow, in the case of Presidency College, the department of Botany, the committee has recommended the post of one Herbarium keeper etc.

In certain cases specially in respect of laboratory equipment, the committee has recommended amounts which are in excess of the admissible amount according to the percentage fixed by the Commission. This has been done only in very special cases where the requirement of the department for equipment was considered by the Committee very essential.

In the case of the department of Philosophy Pachiappas' College, Department of Economics, Ethiraj College for Women, department of Home Science, Queen Mary's College and department of Chemistry, New College, Madras, the committee has recommended the proposal of the college for construction of building after relaxing the norms of the Commission.

The Committee has made the following specific recommendations in regard to organisation of courses etc:-

1. The Madras Christian College in consultation with the department of Politics in the Presidency College should decide about teaching other optional papers such as elements of methodology, political sociology and political geography which are provided in the syllabus of the Madras University.

2. The post of professor in the department of English of the Pachiappa's College which is lying vacant must be filled immediately by appointing a teacher holding a research degree so that the necessary guidance leadership and the motivation for undertaking research work are provided to the department.

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3. For the department of Zoology in the Pachiappa's College, the committee has suggested that another disciplinary courses such as Biochemistry, Biophysics, Biological Statistics and Modern Courses like Molecular Biology, Cellular Zoology and Environmental Geology and Pollution may be introduced. Current journals may also be subscribed. The Madras University should also arrange short courses for teachers on (a) Histocyemical Techniques, (b) Tissue Culture, (c) Fish Endocrinology .(d). Biological Statistics and (e) Biochemical and . . . Biophysical Techniques.

4. The Committee observed that in Government Colleges the students are being charged Rs. 25/- by way of security for obtaining books from the Book Bank, the committee emphasises that the Commission may take up this matter with the State Government and impress upon them to discontinue this practice so that poor students may get benefits from the Book Bank.

Detailed financial implications of the recommendations of the visiting committee have been given in Annexure-II of the report. A summary of these financial implications is given

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given below:-

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(Rs. in lakhs)

Name of the College	Amount recommended							Bal. to be approved
	Bldg.	Books & Journals.	Equip-ment	FIP	Misc.	Tot.	Basic grant	
Madras Christian College.	-	2.30	2.95	1.52	1.13	7.90	.95	6.95
Pachiappas' College.	.500	2.30	1.88	1.08	0.98	6.74	.40	6.34
Govt. Women's College.	-	.20	-	.10	-	.30	-	.30
Ethiraj College for Women.	.250	.60	-	.60	-	1.45	.10	1.35
Presidency College	-	4.65	3.25	2.97*	1.445	12.415	-	12.415
Stella Maris College	-	1.40	-	0.90	.75	3.05	-	3.05
Queen Mary's College	.375	1.10	.595	0.75	.19	3.01	-	3.01
Loyala College	-	1.20	.40	0.80	0.05	2.43	-	2.43
New College	.300	1.70	.80	1.14	0.16	4.10	-	4.10
Vivekananda College	-	1.20	1.20	.42	0.44	3.26	.10	3.16
A.M. Jain College	-	.60	.08	.284	-	.964	-	.964
SIET Women's College	-	.20	.20	.40	-	.800	-	.800
Total:	1.425	17.45	11.355	10.964	5.145	46.419	1.55	44.869

\* including Rs. 10,000/- for Herbarium keeper for 1977-79.

The matter is placed before the Commission for consideration.

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Conditions and Norms common to Humanities and Social Sciences & Sciences for introduction of Postgraduate courses in Colleges.

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1. A college may be allowed to start postgraduate course in a subject only when there is persistent demand for teaching in that subject and enrolment of a Minimum number of students every year is ensured. Opening of a new postgraduate class should be invariably linked with the manpower needs of the region. The college must be permanently affiliated and should have shown consistently good results at the undergraduate level during the last five years: . . .

2. The college may be considered for further assistance only if

- a) Available facilities in the shape of library, laboratory equipment and faculty reflect the commitment of the department and the college to the development of particular subject. The commitment of the college would in particular be seen from its overall recruitment policy e.g. whether it has the practice of appointing only people of consistently good academic record and Ph.D.'s as far as possible.
- b) It serves the needs of the students community coming from the undergraduate colleges of the region as reflected in enrolment.
- c) The department has the scope and potentiality for development of a specialisation in a particular area not available in the other colleges and universities of the region.
- d) There is a clear out programme of research and training to ensure quality at the initial stage of starting department.
- e) It has faculty comparable in quality to that of a University department and demonstrates potential of growth and specialisation.

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3. Postgraduate courses need not necessarily be started only in such subjects which are taught at the degree level in the affiliated colleges. Inter-departmental/inter-disciplinary courses may be preferred.

4. The college should make provision of funds for enabling department teachers to attend National Conferences in their subjects every year.

5. The condition for opening postgraduate department in the college as prescribed by the university may be insisted upon specially with regard to the staff, books and equipment before providing any further support for the development of the department.

6. Annual colloquims may be organised for the benefit of the college teachers and the students in which university and college teachers should participate.

Conditions and norms for introduction of Postgraduate courses in Humanities and Social Sciences in Colleges.

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1 A minimum of four teachers recognised by the University as postgraduate teachers (see paragraph 2 below) be appointed at the initial stage i.e. staff may be increased gradually depending upon the increase in the hours of work and the introduction of the special papers. In a postgraduate department there should be at least four teachers with M.Phil or equivalent degree or research work of whom there should be at least two teachers with Ph.D. degree or equivalent research work.

2 For effective postgraduate teaching, the first pre-requisite is the quality of teachers. It is imperative that teachers at this stage should have developed critical faculties of evaluating the major developments in their subject. For this purpose it should be laid down that only those persons would be recognised for postgraduate teaching who have some papers to their credit in standard research journals. In addition:

- a) They should be required to go through and pass Post-Master's degree/diploma in Research Methodology.
- b) In order that a post-graduate teacher may be able to specialise and carry out advanced studies/research he should not be expected to take more than two papers in two years.
- c) The teachers should have enough time to keep themselves abreast with the latest development in their subjects. For this purpose, it may be laid down that the work load of a recognised teacher should not be more than 12 lectures a week.

3 A college department should have adequate material and other equipment. The departmental library should have enough copies of recommended books and at least three standard journals published during the last 10 years. For books and journals the college should provide per department Rs. 15,000/- as non-recurring and Rs. 5,000/- p.a. as recurring.



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4. The college should provide a **fixed** amount every year, not less than Rs. 5,000/- for development of research activities in the department.
5. As far as possible at least two papers out of 8 papers should be different from those taught at the University.

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Conditions and general norms for introduction of post-graduate courses in Science subjects in Colleges.

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Strengthening of the teaching staff and recruitment of suitably qualified persons is the most important factor required for postgraduate Education besides availability of necessary laboratory, library and other facilities. A department seeking affiliation for starting/running post-graduate classes should have at least six teachers with post-M.Sc. qualifications, such as M.Phil. or research experience as evidenced by publications. Further at least three such teachers should have a Ph.D. degree or research publications of equivalent standard. It will also be essential for such departments to have at least one viable research programme undertaken by the staff members. Similarly, before any particular specialisation in the subject can be offered as special paper at the M.A./M.Sc. level there should be on the staff of the department at least two persons who are qualified in that special discipline. The total strength of the staff of such departments would, however, depend upon the total work-load including under-graduate instruction.

Generally an intake of 15 students should be considered as an optimum size of a unit of postgraduate class. No post-graduate classes should be permitted to 50% or more marks in the subject concerned. For purposes of increasing admissions also the unit of 10-15 should be taken into account.

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tudents with

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Copy of D.O. letter No.F. 7-1/74(P/CP) dated 29th August, 1975 from the Secretary, U.G.C. to Registrar/Principal

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The University Grants Commission has decided to continue its programme of providing assistance to affiliated colleges for improvement of facilities for postgraduate courses on a selective basis, during the Fifth Five Year Plan. Accordingly, the Commission has finalised proforma etc. for preparation of development proposals by colleges. I enclose a copy (Appendix) thereof, so that the college may prepare and send its development proposals for the plan period 1974-79 in accordance with these guidelines.

The assistance from the University Grants Commission for development of colleges during the Fifth Plan Period will primarily be for strengthening the faculty, for improving the library and laboratory facilities and for providing workshop and other similar facilities which will enable colleges to achieve and maintain proper standards. In this connection, the norms prescribed for different postgraduate courses as notified vide this office letter No. F.9-1/74(D-4) dated April, 1975 may be kept in view.

The purpose for which assistance would be available the extent and pattern of assistance are indicated below:-

PURPOSES

- i. building upto 25% of the total grant
- ii. equipment upto 20% of the total grant
- iii. books upto 20% of the total grant
- iv. additional staff upto 27% of the total grant (including 10% for faculty improvement)
- v. miscellaneous items-8% of the total grant.

Ceiling of Assistance per College in the Plan Period.

UGC's share

- a. Humanities and Social Sciences. All post-graduate Departments in the Humanities and Social Sciences in affiliated colleges. Upto Rs. 1 lakh per department.

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b. Postgraduate Science Department

1. Physics & Chemistry Departments Upto Rs. 2 lakhs per department.
2. Botany, Zoology, Geology, Bio-chemistry and Home Science Departments. Upto Rs. 1.50 lakh per department.
3. Anthropology, Geography and Mathematics including Statistics Department. Upto Rs. 1 lakh per department.

3. <u>Sharing basis</u>	<u>UGC's share</u>	<u>University/State Government/College</u>
Building		
(Teaching and Laboratory, Library)	50%	50%
Equipment and books.	100%	Nil
Workshop including shed	100%	Nil
Animal House facility	100%	Nil
<u>Additional Staff</u>		
Reader*	100%	Nil
Lecturer	75%	25%
Technical staff	100%	Nil

\* when sanctioned by the Commission.

Assistance for additional staff would be available on the undertaking that college would continue and maintain such posts from their own funds, when Commission's assistance ceases at the end of 1978-79. A specific programme of faculty improvement would be drawn up by the College as a priority item to enable it to come up to the norms suggested by the Commission.

4 As you are aware, Commission's assistance is not available for starting new courses or for fulfilling any of the conditions of affiliation. It is also not available

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for purchase or acquisition of land or for purchase or acquisition of existing buildings or for renevation, dismantling and repairs of existing structures. It will also not be available for maintenance items as also for purchase of routine chemicals and glass-wares.

The assistance for postgraduate departments will be available only for such departments which have provided facilities for post-graduate studies for at least two years and are in a position to supply the results of the first batch of students, from the college, in the university examination.

The college may prepare composite proposals for the development of post-graduate studies in the departments which would be examined with the help of a Visiting . . Committee appointed by the Commission before such proposals are accepted for assistance.

Five copies of the consolidated proposals should be sent by colleges through the Universities to which they are affiliated to the UGC office as early as possible. A copy of the proposals may also be forwarded to the State Government (in the proforma prescribed for each purpose).

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UNIVERSITY GRANTS COMMISSION

Annexure III to Item  
No. 19

Report of the U.G.C. Committee on the proposals of Colleges for the development of their postgraduate departments.

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The UGC appointed a Committee to consider the proposals of colleges located in the Madras City, for the development of their postgraduate departments. The following were the members of the committee:

1. Professor M. Srirama Rao  
Department of Physics,  
Andhra University,  
Waltair.
2. Professor R. Anantharaman,  
Department of Chemistry,  
Kerala University,  
Trivandrum.
3. Professor A. Gnanam,  
Department of Botany,  
Madurai University,  
Madurai.
4. Professor M.A. Rao,  
Department of Zoology,  
Karnatak University,  
Dharwar.
5. Professor T.K. Ravindran,  
Department of History,  
Kerala University,  
Trivandrum.
6. Dr. Y. D. Phadke,  
Department of Political Science,  
Bombay University,  
Bombay.
7. Professor S.P. Sinha,  
Department of Economics,  
Bihar University,  
Muzaffarpur.
8. Dr. Y. J. Rao,  
Department of Geology,  
Osmania University,  
Hyderabad.

(for Presidency College only).

9. Dr. S.P. Shammuganathan, (Representative of the  
Principal, University)  
Pachaiyappa's College,  
Madras.
10. Dr. T. N. Hajela, ( Secretary to the Committee)  
Deputy Secretary,  
University Grants Commission,  
New Delhi.

The Committee visited these colleges as per programme given in Annexure-I. and discussed development proposals of each postgraduate department with the members of the department concerned, and the Principal. It also met a representative group of students and teachers in each college. It took round of the campus and visited the library and other buildings. Financial implications of the recommendations of the Committee are given in Annexure II. The report in respect of the postgraduate departments eligible to receive grant from the Commission whose proposals were examined by the Committee follows:

I. MADRAS CHRISTIAN COLLEGE:

The college was established in 1857 and is one of the oldest institutions in the country. It has an enrolment of 410 students at the postgraduate level. All the departments are composite and teaching is done by almost all the members of the department both at the undergraduate, as well as, at the postgraduate level. It has the largest number of postgraduate departments in any private college with affiliation for postgraduate studies and research in History, Political Science and Public Administration, Economics, Philosophy, Mathematics, Statistics, Physics, Chemistry, Botany and Zoology. The science departments are participating in COSIP and the Humanities departments in COHSIP. During the last 15 years, 20 Ph.D and 12 M.Litt./M.Sc. research degrees have been awarded by the various departments. At present about 20 teachers are engaged in research work for their doctoral degree.

The examination results have been consistently good. The college has vast play fields and its students have been winning cups, shields and trophies in almost all events. There are more than 40 cultural associations in the college which organise and conduct programmes of drama, dance, music, debates, essay competitions etc.

Almost all heads of departments have high academic and research qualifications and are recognised by the University to guide doctoral research. Several full-time research candidates are working under their supervision. Several teachers have received research fellowships and grants from the CSIR, ICSSR,

Atomic Energy Commission, PL-480, besides the UGC and other private agencies and Foundations. Some departments have received contracts from public and private agencies to conduct research on specific problems relating to their business and firms. One of the teachers is a National Fellow of the UGC and another is the Homi Bhabha Fellow. Some teachers have published research articles in Indian and foreign journals, while some other have published text-books and scholarly monographs.

The financial position of the college has been very sound. It has been able to raise funds from public and private agencies for the execution of its development programmes during the last 10 years. It has implemented projects costing more than Rs.15.00 lakhs.

GENERAL OBSERVATIONS:

The college has a good campus and it has been very well maintained. . . . There is a shortage of buildings especially rooms for teachers. While there is departmental library attached to each postgraduate department in science subjects such a facility does not exist for the Humanities and Social Science departments. The teachers on the whole are enthusiastic and zealous workers. Most of the teachers hold second class master's degree. The Committee was informed that most of the teachers have not been able to pursue research because of the State Government's rules, as there is no provision for study leave. The most remarkable feature of the college is that it provides free education to about 15 blind students every year and provides facilities of a Braille Library to them. The farm attached to the college has been doing very good work especially by performing new experiments in cattle breeding and paddy and fodder cultivation. Adequate medical facilities are being provided by the college to the students and teachers. The resident incharge of the dispensary is a M.D. from Vellore Medical College. The library is good and is spacious, neat and well maintained. The Committee strongly feels that the college should have a common workshop with basic machine tools for all the science departments in order to facilitate the proper running of new equipments and /or to service the existing ones. Similarly, common typing and duplicating facilities for all the science departments would be highly desirable.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

ENGLISH: - Although 13 teachers are recognised as postgraduate teachers in the department, none of them has acquired any research degree. Their research output is also meagre. The Committee, therefore, recommends that the following assistance be provided to the department:

1. Books & Journals	Rs. 20,000/-
2. Faculty Improvement	Rs. 10,000/-
Total:	<u>Rs. 30,000/-</u>



ECONOMICS:- The department has done valuable work under the leadership of Dr. Kurien. The department is trying to use new techniques in the teaching of Economics. It has already planned a revision of the present syllabus which it hopes to introduce when the college is granted the status of an Autonomous College. There is only one teacher in the department which holds a Ph.D. degree. The library in the subject is well equipped and has a fairly large number of standard and recent books and journals on the subject. The Committee recommends that the following assistance be provided to the department during the Fifth Plan:

1. Books and Journals	Rs. 20,000/-
2. Faculty Improvement	Rs. 10,000/-
Total:	<u>Rs. 30,000/-</u>

HISTORY:- Two teachers hold Ph.D. degree. The department has not published any research papers or articles in journals. The teachers who have been recognised by the University as Research Guides have been guiding students for their research for the Ph.D./M.Phil. degree. The collection of books in the library in History is fairly good. The collection of rare books in the library is indeed remarkable and with the facility of a micro-film reader, it is bound to attract scholars and workers from neighbouring areas. The Committee recommends that the following assistance be provided to the department during the current plan period:-

1. Books & Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 10,000/-
Total:	<u>Rs. 30,000/-</u>

POLITICS & PUBLIC ADMINISTRATION:- The department is doing useful research work concentrated on the study of the Panchayati Raj. Two teachers have published research papers and one teacher holds Ph.D. degree. The department has applied for financial assistance for executing their plans of imparting non-formal education for Panchayati Raj officials. Since such a scheme would not in any way help the improvement of postgraduate teaching standard, it is not possible for the Committee to make any recommendation about this scheme. Their plan to hold a workshop for curriculum development, however, has a direct bearing on the postgraduate teaching particularly in view of the college becoming Autonomous in the near future. However, the idea of inviting external experts and giving them air-fare and honorarium amounting to Rs.12,000/- does not appeal to the Committee. If the department is willing to organise such a workshop with the help of one or two external experts, it may be provided the assistance as recommended below as a grant for holding the workshop on curriculum development. The department has been teaching the same papers which are taught in the Presidency College, Madras. It is suggested that in consultation with the department of Politics in the Presidency College this college should decide about teaching

other optional papers, such as elements of methodology, political sociology and political geography which are provided in the syllabus of the Madras University. The Committee recommends that the following assistance be provided to the department during the current plan period:

1. Books & Journals	Rs. 20,000/-
2. Faculty Improvement	Rs. 10,000/-
3. Workshop for curriculum development.	<u>Rs. 8,000/-</u>
	<u>Total: Rs. 38,000/-</u>

PHILOSOPHY: - There is one teacher who holds Ph.D. degree. The research output of the department is not substantial. As a matter of fact, the teachers of the department have not realised the significance of publishing research papers or articles in journals. The present collection of books in the library is also poor. The Committee recommends that the following assistance be provided to the department during the current plan period:-

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	<u>Rs. 10,000/-</u>
	<u>Total: Rs. 30,000/-</u>

MATHEMATICS & STATISTICS: - In the department of Mathematics, there are 3 Ph.Ds. 4 teachers are registered for Ph.D. They have more than 50 research publications. They need assistance for faculty improvement for which the Committee feels that at least two persons be given assistance for one year each.

There is only 1 Ph.D. in the Statistics department (i.e. the Head of the department). He is an active research worker and is trying to associate the M.Sc. students in the methodology of research, which is a good sign of development. The Committee feels that the department should be given assistance to add more essential equipment, for which purpose, an amount of Rs. 35,000/- may be granted for purchasing a sophisticated card punching machine which all the students can make use of for their computerised projects. In fact they have two courses, out of 16 with bias on computer. The following assistance may be provided to these departments.

Purpose :

	<u>Departments</u>		
	<u>Mathematics</u> Rs.	<u>Statistics</u> Rs.	<u>Total</u> Rs.
1. Equipment	-	35,000/-	35,000/-
2. Books & Journals	10,000/-	10,000/-	20,000/-
3. Faculty Improvement	<u>17,000/-</u>		<u>17,000/-</u>
Total:	<u>27,000/-</u>	<u>45,000/-</u>	<u>72,000/-</u>

PHYSICS:- The department offers facilities for only one special paper, namely, Electronics. The laboratory needs strengthening and therefore the department may be helped to buy the equipments as recommended below. Only one teacher namely the head of the department possesses a Ph.D. degree. 3 teachers are registered for Ph.D. These teachers may be helped in completing their Ph.D. by providing leave with full pay under the Faculty Improvement Programme. The research output of the department is very meagre. The head of the department has published 6 research papers and only one paper has been published after 1971. The department has done good work under COSIP. The teaching needs to be considerably strengthened. The Committee recommends that the following assistance may be provided to the department:-

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 33,000/-
3. Equipment: (Microwave bench and klystron oscillator & accessories, TV test equipment, electronic components, 2 compactors, electro-magnetic).	Rs. 80,000/-

Total Rs. 1,33,000/-

CHEMISTRY:- Five teachers possess Ph.D. degree, of whom 3 are recognised by the University as research guides. The remaining teachers in the department are working for their Ph.D. degree. The department has a strong school of research in Physical Organic Chemistry. The department has produced 43 research publications and 14 more are under preparation. The department has produced 4 Ph.Ds. The present M.Sc. course requires the submission of dissertation based on original research. The department also proposes to start work in the field of natural products. The glass-blowing section is essential for teaching and research work and the Committee accordingly recommends the required amount under miscellaneous items. The following grants may be provided to the department:-

1. Books & Journals:	Rs. 40,000/-
2. Faculty Improvement:	Rs. 17,000/-
3. Equipment:	Rs. 80,000/-
4. Miscellaneous:	Rs. 16,000/-
Total:	<u>Rs. 153,000/-</u>

BOTANY :- There are 11 teachers in the department and 30 students are enrolled in M.Sc. and one in M.Phil. The academic achievements of this department have been consistently good. The head of the department possesses Ph.D. degree. Three teachers are working for Ph.D. One more has gone for training under FIP. The research

activity, though not comparable to the neighbouring Zoology department, is fairly good for a department of this type. It has produced 6 scientific papers during the last five years. The department has been recognised by the university as a Centre for undertaking M.Phil. and post M.Sc. programmes. The laboratory accommodation is adequate but it is not properly equipped. Library facilities are also meagre. The following assistance may be provided to the department:-

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 15,000/-
3. Equipment:	Rs. 30,000/-
4. Plant House:	Rs. 35,000/-
5. Junior Research Fellow:	Rs. 14,000/-
Total:	<u>Rs. 1,24,000/-</u>

ZOOLOGY:- The present intake of the department is 14 to 15 students in M.Sc.(Prev.) and the same number in M.Sc.(Final). The library is ill-equipped as the major portion of the present collection of books is old and out-dated. The laboratory appears to be well-equipped. However, additional equipments particularly for Physiology such as Electrical Stimulators, Remographs and Oscilloscopes, are absolutely necessary. The laboratory from the research point of view is poorly equipped and essential equipments like PH meter, salinometers, spectronic 20, Binocular microscope, Photomicrography, Refrigerator, Refrigerated Centrefuge etc. are not available. The annual allotment for the purchase of equipment i.e. Rs.32,000/- is extremely meagre.

The staff is sufficiently highly qualified. There are 5 Ph.Ds. specialising in various branches of Zoology namely Estuarine Biology, Insect Physiology, Animal Behaviour, Fresh-water Zoology and Animal Physiology. The other 5 staff members are M.Sc. and have to improve their qualifications. There is only one special subject namely Entomology in IV semester. The department has the potentiality to offer 3 more special subjects of applied import namely Estuarine Biology, Insect Biology and Animal Behaviour. Three members of the department are fully qualified and have the potentialities and experience comparable to those of the University. They have produced Ph.Ds and have published papers. Due to lack of facilities, their research progress is hampered. Only one teacher has a clear cut programme while others do not have any programme of research. The Committee is of the view that Biochemistry, Biostatistics and Biophysics be taught by the Chemistry, Statistics and Physics departments respectively as inter-departmental courses. Modern courses like Cellular Physiology, Molecular Biology and Environmental Zoology and Pollution need to be introduced. The department has a very good Museum. The Committee feels that a few important journals like current Content, Insect Physiology, Marine Biology and Acta brochemie may be purchased. The present Animal House may be extended, and essential equipments mentioned above be provided.

Keeping in view the Committee recommends that the following assistance be provided to the department:

1. Books & Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 20,000/-
3. Equipment:	Rs. 70,000/-
4. Animal House:	Rs. 40,000/-
	<hr/>
	Rs. 1,50,000/-

## 2. PACHAIYAPPA'S COLLEGE:

The college was established in 1842 and has a strength of about 3,400 students. It offers instruction at the postgraduate level in 10 subjects. Some of the departments are offering facilities for M.Litt., M.Phil. and Ph.D. programmes. There are 436 students enrolled at the postgraduate level. All the departments are composite departments and the teachers teach at all levels i.e. PUC, Degree and Postgraduate. There are in all 163 teachers, of whom 24 are Professors, 87 Assistant Professors and 52 Tutors/Demonstrators.

The college has a vast campus spread over an area of about 50 acres. It has beautiful play grounds. The physical facilities provided in the college for students and teachers are satisfactory. The college has put up a separate postgraduate library for Humanities and separate M.Sc. Zoology and Chemistry blocks with the assistance of the UGC. A non-resident student centre has also been constructed with the assistance from the UGC. The Central Library is quite spacious and is mainly used by the students of undergraduate classes. The Science departments have departmental libraries. The college has a big hostel which accommodates 600 inmates. Most of the students belong to backward classes, scheduled castes and scheduled tribes. The examination results have been consistently good and a large number of students has been taking keen interest in almost all games, outdoor and indoor, and has achieved distinction in various events. The college has been selected by the UGC under COSIP and COHSIP.

The financial position of the college has been very sound.

GENERAL OBSERVATIONS: The college has a big campus which has been very well planned and well maintained and neat and clean. The general library is rather poorly equipped and books are very old. The Committee noticed that there were large number of volumes of one single book on Indian Economics which were very old. It appears that the college does not follow the practice of weeding out old books. Each postgraduate department has a library which is rather small. There is also a general postgraduate library which is very good and very well equipped. But there is a shortage of space and it is rather cramped. The librarian possesses professional qualifications. The existing facilities for games and sports are really good and almost all amenities

and facilities are being provided to students and teachers. The departments of English and Philosophy are cramped for space- one big hall has been partitioned by a wooden wall and this improvisation is a constant source of nuisance to both the departments. It is, therefore, necessary that the college should make immediate arrangements to shift one of these departments to some other room. The teachers are not very well placed as far as research qualifications are concerned and very few teachers hold Ph.D. degree.

All the teachers are teaching in the evening as a result of which they seldom get time to spend on any useful research. Generally speaking the teachers hinted that it was because of paucity of time that they were not able to undertake any useful research activities which implied that the teachers were taking classes in the evening under pressure.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

ECONOMICS:- There are 10 teachers in the department- Professor-1, Assistant Professors-9. Dr. Viswanathan is working under the UGC scheme for retired teachers and is sharing some load of work of the department. The department is poorly equipped in terms of qualified staff as no member holds either a Ph.D. or M.Litt. or M.Phil. degree or has brought out any publication worth the name. The Committee was surprised to note that none of the members of the faculty is associated with any all India society or association. No project work, team work on any problem has been organised by the department and taken up with the financial assistance from the ICSSR, UGC or University of Madras or the college authorities. The Head of the Department of Economics does not seem to have encouraged or organised or worked out any scheme involving the members of the department in ~~xx~~ research work. The department, thus, lacks the necessary dynamism and leadership for organising research work either in theoretical or applied aspects of the subject.

The department is specialising in the teaching of Agricultural Economics without undertaking any research activities in this area. At present two members of the department are registered for Ph.D. degree, two for M.Litt. degree and two for M.Phil. degree. Surprisingly, the department has been recognised by the University of Madras for conducting research leading to the degree of M.Litt. The journals subscribed to by the department are obsolete and old; research journals are few in numbers. Current publications are very few in the library. The number of books and journals available for specialised teaching of Agricultural Economics is utterly inadequate.

In view of the conditions of work and facilities available for teaching in the department, there is an immediate need to strengthen the departmental library and to improve the quality of

staff. The Committee, therefore, does not feel inclined to recommend anything for a building for the department as asked for by the college. The Committee recommends that the following assistance may be provided to the department during the Fifth Plan:

1. Books & Journals:	Rs.	20,000/-
2. Faculty Improvement:	Rs.	10,000/-
Total:	Rs.	<u>30,000/-</u>

COMMERCE:- The department has a staff of 13 teachers of whom two are Professors, 8 are Assistant Professors and 3 are Tutors. This department is very poorly staffed with no member having a Ph.D., M.Litt. or M.Phil. degree or any publication worth the name to its credit. Like the department of Economics the members of this department also have not shown any interest in undertaking any research project, either individually or at the departmental level. It lacks leadership and dynamism for organising research. At present, one member of the department is engaged in research for M.Litt. and three for M.Phil. The department of Commerce has no specialised teaching in any subject. In terms of current journals and standard current publications the library of this department is also poorly equipped. In view of the conditions of work and the standard of teaching and research attained by this department, the Committee feels that there is an immediate need to strengthen the departmental library, as well as, to improve the quality of the existing staff and, therefore, does not feel inclined to recommend anything for building as asked for by the college. Similarly, the Committee does not recommend anything for additional staff, as the department does not possess adequately qualified staff in terms of the norms laid down by the UGC. The Committee recommends that the following assistance be provided to the department during the current plan period:

1. Books and Journals:	Rs.	20,000/-
2. Faculty Improvement:	Rs.	10,000/-
Total:	Rs.	<u>30,000/-</u>

PHILOSOPHY:- There are 7 teachers in the department of whom 2 are Professors, 3 are Assistant Professors and 2 are tutors. Three teachers possess Ph.D. degree and one teacher holds M.Litt. degree. This is one of the best departments in the College. It has done good work under the leadership of the Head of the department who has shown zeal and devotion to organise and undertake individual, as well as, departmental research. A large number of books and research papers have been published by the members of the department. The Head of the department has been recognised by the University for supervising research at the doctorate level and the department has been permitted to guide research leading to M.Phil. degree. In view of the creditable work done by the department,

the Committee recommends that this department may be provided the much needed encouragement by relaxing the present norms and specifications laid down by the Commission as a very special case. The Committee recommends that the following assistance be provided to the department:

1. Books and Journals :	Rs. 20,000/-
2. Faculty Improvement:	Rs. 10,000/-
3. Building & Furniture:	Rs. 25,000/-
Total:	<u>Rs. 55,000/-</u>

ENGLISH:- The department has 27 teachers of whom 2 are Professors, 14 are Assistant Professors and 11 are Tutors. The post of Professor (Postgraduate) is lying vacant. Not even a single teacher in the department holds either a Ph.D. or M.Litt. or M.Phil. degree. Of the 27 teachers in the department only one is registered for Ph.D., 6 for M.Litt. degree and 10 for M.Phil. degree. This department is conspicuous by its supreme neglect of research. No tangible work has been produced by the department so far and most of the time of the teachers is spent on teaching. The Committee, therefore, feels that the post of Professor which is lying vacant must be filled immediately by appointing a teacher holding a research degree so that the necessary guidance, leadership and motivation for undertaking research work are provided to the department. The Committee recommends that the following assistance be provided to the department during the current plan period:-

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 10,000/-
Total:	<u>Rs. 30,000/-</u>

TAMIL :- This department is one of the best departments in the college. It has 21 teachers of whom 3 are Professors, 11 Assistant Professors and 7 are Tutors. Three teachers possess Ph.D. degree and 7 M.Litt. degree. Most of the teachers are engaged either in research work or in creative writing. The department as a whole has done impressive work in Tamil studies. The Committee recommends that the following assistance be provided to the department:

1. Books and Journals:	Rs. 20,000/-
2. *Faculty Improvement:	Rs. 15,000/-
3. Building: (Seminar discussion hall & Research Library).	Rs. 25,000/-
	<u>Rs. 60,000/-</u>

\* (including collection of material for research, visits to historical places, conducting seminars and inviting research scholars for the study of Folk lore).



HISTORY :- There are 10 teachers in the department of whom 2 are Professors, 6 Assistant Professors and 2 Tutors. 2 teachers are registered for Ph.D. degree, 2 for M.Phil. and 5 for M.Litt. Two teachers hold M.Litt. degree.

This is yet another department which has been lagging behind in research. While some text-books have been published by the members of the faculty, no research papers worth the name has been published in any journal of repute in the country or outside. Most of the teachers require higher training in the subject. The department is recognised as a research centre for conducting research leading to M.Litt./M.Phil. and Ph.D. degrees. But unfortunately, no standard journal is being subscribed to. Keeping in view the research output, the qualifications of teachers of the department, the Committee does not feel inclined to recommend any assistance for a building. The following assistance be provided to the department during the current plan period:-

1. Books and Journals: (including maps.&.charts)	Rs. 20,000/-
2. Faculty Improvement: (including collection of historical material and organisation of historical museum.	Rs. 18,000/-
3. Equipment: (Projector 16 mm and Epidiascope)	Rs. 8,000/-
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	Total: Rs. 46,000/-

MATHEMATICS: There are 15 teachers in the department of whom 2 are Professors, 12 Assistant Professors and 1 Tutor. None of the teachers possesses research degree. However, one teacher is engaged in research for Ph.D. and 9 teachers are registered for M.Phil. degree.

The department has been doing M.Sc. teaching since 1958. The course structure contains 3 electives in the third semester and 3 in the fourth semester. The Committee feels that teaching of these electives need strengthening by way of adding some current books in these areas in the library. This department is lagging far behind in the field of research. The Committee, therefore, feels that the department may be assisted only for straightening the library and for improving the quality of the faculty. The following assistance may be provided to this department:

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 10,000/-
	<hr/>
Total:	Rs. 30,000/-

**CHEMISTRY:-** There are 18 teachers in the department of whom 3 are Professors, 7 are Assistant Professors and 8 Demonstrators. Three teachers hold Ph.D. degree. Another three teachers are registered for Ph.D. and 9 teachers for M. Phil. The department has produced so far 3 Ph.Ds. and has published 42 research papers and 3 books. This department has been recognised by the University for guiding research leading to the Ph.D. degree and for running the M.Phil. course.

There is a strong school of Chemistry in the department. Work in Physical Chemistry, Inorganic Chemistry and Theoretical Organic Chemistry has also been started in the department. It is running an M.Sc. course which requires the submission of a dissertation based on original research. Taking all these facts into consideration, the Committee is of the opinion that substantially enhanced grant for strengthening equipment in the department is essential and recommends that the norms of the Commission may be relaxed in the case of this department as a special case. The department is subscribing to 17 research journals for some of which back numbers are not available. In addition, a number of specialised monographs have also to be acquired. The Committee recommends that the following assistance be provided to the department during the current plan period:

1. Books and Journals:	Rs. 40,000/-
2. Equipment*	Rs. 80,000/-
3. Miscellaneous:	Rs. 16,000/-
(ice making machine) Total:	<u>Rs. 1,36,000/-</u>

**BOTANY:-**The department has 12 teachers, of whom 2 are Professors, 5 Assistant Professors and 5 are Demonstrators. Two teachers possess research degree and 4 others are registered for Ph.D. Two teachers have been deputed for M.Phil. under Faculty Improvement Programme. The Professor of Botany has been guiding three students for their Ph.D. degree. He has also been recognised for guiding research. He had extensive training in Europe. The Faculty has in all published 40 scientific papers in leading scientific journals. The Professor is currently engaged in writing standard text-book with the support from UGC, under the Book-Writing scheme. The department has been recognised by the University as one of the Centres for supervising research leading to M.Phil. and Ph.D. degrees.

* 1. High Vacuum pumps, pressure, gauges and other accessories (3 sets).	Rs. 25,000/-
2. Vacuum Sublimator (1)	Rs. 6,000/-
3. Ostwald-Sprengel Pyknometers(12)	Rs. 750/-
4. Precision thermometers(0.20)(12)	Rs. 750/-
5. Differential Thermal Analysis Unit(1)	Rs. 15,000/-
6. Guoy Balance with magnet and accessories.	Rs. 15,000/-
7. Thermogravimetric Analysis Equipment(1)	Rs. 15,000/-
8. Scientific Electronic Calculator (1)	Rs. 2,500/-
Total:	<u>Rs. 80,000/-</u>

The department specialises in 'Algology and 'Physiological Embryology'. They have organised a number of orientation courses and summer schools for high school teachers.

The department is presently housed in one of the wings of the main building. The postgraduate class rooms are crowded and part of both first and second M.Sc. laboratories has been converted into departmental library and a faculty room. They have a very small research laboratory where the present research students are accommodated with the faculty.

The department is subscribing to 13 scientific journals. They do not have back volumes of most of these journals for reference. The departmental library which is located in a class-room has less than 1,000 books on various aspects of Botany. This number is very meagre when compared to the number of postgraduate students and the research activities of the department.

Regarding equipment, the department requires a lot of input. In this department very little facility is available for experimental aspects. The Committee, therefore, feels that substantial support for equipment should be provided so as to upgrade the present teaching and research programmes. The Committee recommends that the following assistance be provided to the department during the current plan period:

1. Books & Journals:	Rs.	30,000/-
2. Faculty Improvement:	Rs.	25,000/-
3. Equipment:	Rs.	40,000/-
4. Miscellaneous:		
(Controlled temperature plant	Rs.	12,000/-
growth Chamber).		
	Total:	Rs. 1,07,000/-

ZOOLOGY:- There are 13 teachers in the department, of whom 2 are Professors, 6 Assistant Professors and 5 are Demonstrators. One teacher holds Ph.D. degree and 3 teachers are registered for Ph.D. and 5 for M.Phil. One teacher has published 15 research papers. Considerable improvement in the qualifications of the faculty and their research output is necessary. Many of the courses given at present for M.Sc. are different from those given for B.Sc. only in the sense that they are being taught in a more detailed fashion except for optional subject, namely, Fishery Biology. The Committee suggests that interdisciplinary courses such as Biochemistry, Biophysics, Biological Statistics should be introduced. Modern courses like Molecular Biology, Cellular Physiology and Environmental Zoology and Pollution should also be introduced.

The library is inadequately equipped. The laboratories are tolerably well equipped. No staff member except one, has attended any conference or symposium. The museum, though, good, needs improvement. The research output of the department is virtually nil. Some members have published books for degree and PUC classes. The

Committee recommends that the following journals may be procured immediately:

- (a) Current Content;
- (b) Quarterly Review of Biology;
- (c) General and Comparative and Endocrinology.

The Madras University should also arrange short-courses for teachers on : (a) History-chemical Technique; (b) Tissue Culture; (c) Fish Endocrinology; (d) Periodical Statistics and (e) Bio-chemical and Bio-physical Techniques

The department also needs urgently an Animal House and Tissue Culture Laboratory.

Additional equipments like PH meters, spectromic, Kynographs, Centrifuge, electrical stimulator etc. should be purchased.

The Committee, therefore, recommends that the following assistance be provided to the department:

1. Books & Journals:	Rs. 20,000/-
2. Equipment:	Rs. 60,000/-
3. Animal House:	Rs. 50,000/-
4. Tissue Culture Laboratory:	Rs. 20,000/-
Total:	<u>Rs. 1,50,000/-</u>

### III GOVERNMENT ARTS COLLEGE FOR WOMEN:

The college was established in 1964 and is imparting instruction in English literature at the postgraduate level. The college has a hostel for 100 students which has been constructed with Commission's assistance. It has a play ground covering an area of five acres. It offers facilities in almost all important out-door and in-door games.

#### GENERAL OBSERVATIONS:

The building of the college is quite old and the space is quite inadequate. The college is situated in an area where industrial workers live. The campus is tolerably good.

No teacher holds a Ph.D. degree. The play field is across the road which is always busy. The area is not at all suitable for a girl's college. The maintenance of the hostel is very poor. The present head of the department of English is a third-class M.A. Frequent transfers of teachers has been responsible for the exit of qualified teachers from the college. Research output is nil. Although 12 teachers are recognised for postgraduate teaching, none has any research degree or has any publication to her credit. One teacher who was a Ph.D. was transferred on promotion to an undergraduate college, with the result that the department has been deprived of the services of the only teacher with research experience. One teacher is

at present engaged in research leading to Ph.D. degree. The library is not well-equipped and the number of journals is inadequate. The members of the staff seem to be haunted by the fear of frequent transfers.

The college has set up a Book Bank with the assistance of the Commission. It was noticed that the college collects Rs.25/- by way of security from each student for lending books from the Book Bank. The Committee was given to understand that this amount is being collected under instructions from the State Government. Obviously such a collection deprives poor students from taking advantage of the scheme which is primarily meant to cater to the needs of poor students. It is suggested that the UGC may draw the attention of the State Government to this and impress upon them to discontinue it so that poor students may get benefit from the Book Bank.

The Committee recommends that the following assistance be provided to the department of English during the current Plan period:

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 10,000/-
Total:	<u>Rs. 30,000/-</u>

#### IV. ETHIRAJ COLLEGE FOR WOMEN:

The college was founded in 1948 and has an enrolment of 49 at the postgraduate level. It offers instruction in English and Economics at the postgraduate level. It is a composite college and every department is teaching at the PUC and degree levels. The total teaching staff including demonstrators is 76. The examination results during the last 6 years have been excellent. Only in 1973 it was 91% in Economics otherwise it has all through been 100% in Economics and English both.

The financial position of the college has been pretty sound.

#### GENERAL OBSERVATIONS:

The college campus is impressive and buildings are well maintained, but there is paucity of space for teachers and for holding seminars. There is no separate room for departmental library as well. Teachers in both the departments are fully qualified, but there is only one M.Litt. degree holder in English department and one Ph.D. and one M.Litt. degree holders in Economics. The library is tolerably good, but needs to be strengthened. The librarian possesses professional qualifications. The use of Book Bank is being made to the desired extent. In Economics the course structure is different from other colleges in the city, and the department has brought out good publications and research papers.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

ENGLISH:- There are 19 teachers in the department, of whom two are Professors, twelve are Assistant Professors and the rest are Tutors. There is only one teacher with M.Litt. degree and no teacher possesses a Ph.D. degree. Two members have obtained diploma in linguistics. Three other teachers have, at present, joined correspondence course in linguistics. There are 22 students in M.A.(Part-I) and 24 in M.A.(Part-II). There are 1500 books in the departmental library. The department specialises in the teaching of American Literature. It has been getting a Visiting Professor from the United States to improve the teaching of American Literature. The department's research output is negligible. It has, however, adopted an intensive teaching schedule with the help of tutorials and correction work of the note books of the students. Consequently, the examination results have been very good.

The department has not been able to organise to the desired extent owing to lack of accommodation, seminars and tutorials. The teachers' qualifications need to be improved. Since the college does not fulfil the norms prescribed by the Commission in terms of staff, the Committee does not feel inclined to recommend any assistance for building which is genuinely needed by the department and for which a proposal has been made by the College. The Committee recommends that the following assistance be provided to the department during the current plan:

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 30,000/-
Total:	Rs. 60,000/-

ECONOMICS:

The department of Economics has 50 students on rolls. There are 9 teachers of whom 2 are Professors and 7 are Assistant Professors. One teacher possesses Ph.D. degree. She has also published research papers another teacher has also some research publications to her credit. The remaining teachers have not shown any interest in research or in publishing any papers/articles in journals. Two teachers, however, are on the verge of completing their M.Phil. course. Surprisingly, the teachers who have published research papers are Assistant Professors. One of these has done considerable amount of research work and obtained distinction by receiving scholarship for studying in the Oxford University. She possesses both M.Litt. and Ph.D. degrees in Economics.

The department offers National Income and Social Accounting, Welfare Economics and Indian Economic Thought as optional papers. The syllabus for Indian Economic Thought is rather vague and no good text-book is available on this subject in the library. The Committee

feels that the course content should be made more up-to-date and good text-books should be procured in the library to organise teaching in the subject.

The department seems to be active and anxious to improve the qualifications of teachers. Since the department is active and its teachers have been taking keen interest in research activities, the Committee strongly feels that the department may be given grant for building even though it only partially fulfils the norms laid down by the Commission in respect of teaching staff.

The following assistance be provided to the department:

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 30,000/-
3. Building: (Seminar-cum-Library reading room)	Rs. 25,000/-
Total:	<u>Rs. 85,000/-</u>

#### PRESIDENCY COLLEGE :

The Presidency College was founded in 1840. It was in 1911 that honours and M.A. courses were started in the college. At present, it offers facilities for teaching in History, Political Science, Public Administration, Economics, Psychology, English Literature, Tamil Literature, Telugu, Sanskrit, Mathematics, Statistics, Physics, Chemistry, Botany, Zoology, Geology, Geography and Commerce at the M.A. level. The College has been recognised to start M.Phil. courses in ten subjects from the next academic session and in the remaining subjects from 1973-79. It has an enrolment of 276 students in M.A./M.Sc./M.Com.(first year) and 245 students at the M.A./M.Sc./M.Com.(second year). 98 students belong to scheduled castes and scheduled tribes. The college has 192 teachers on its staff, of whom 21 possess Ph.D. degree, 6 M.Litt. degree and 1 M.Phil. degree. The examination results during the last five years have been consistently good.

The college has the necessary facilities for all outdoor and indoor games. Facilities for almost all games have also been provided in the women's hostel. Each department has an association which discusses academic matters and the students and staff take part in seminars organised by these associations. The college awards a number of scholarships to deserving and poor students. Separate scholarships are available for students belonging to scheduled castes and scheduled tribes.

The college has a campus spread over an area of 25 acres of which 5 acres have been utilised for college buildings, 4 acres for women's hostel, 9.5 acres for play fields, 3 acres for college house compound and 3.5 acres for women's play grounds.

The financial position of the college during the last five years has been sound.

GENERAL OBSERVATIONS:

The college has a vast campus which is very well maintained. The buildings are old and a number of departments are cramped for space. In some departments not even a single teacher possesses a research degree. The department of Psychology is very good but its research and teaching programmes have suffered owing to lack of space. The Book Bank is not being maintained as a separate section in the general library and every department is maintaining shelves for Book Bank books. The Committee observed that most of the books were not issued or used. Most of the teachers have no idea of research. They are not even aware of the schemes under which assistance is made available for research by various organisations. Most of the teachers are busy in writing text-books in Tamil for the Text-Book Society of the State Government. The department of History is also good and is very active in the field of research. Although the University has prescribed a number of optional papers in almost all subjects the optionals, at present, offered in the college are common to those which are offered by other colleges. In a number of subjects only one choice is available to students. The Committee was informed that although a good number of teachers are interested in pursuing research for their Ph.D. degree, they have not been able to do so because enough guides are not available in the University departments. The college has a science workshop but it is attached to the Physics department and is not centrally situated. The college is still depending for the supply of gas for its laboratories on a very old kerosene gas plant, which at the time of the visit of the Committee was out of order. The Committee was shocked to know that the college did not avail of any development grant either under Rs.3.00 lakhs scheme or under the scheme of 'Development of Postgraduate Studies', during the Fourth Plan period from the Commission. The college has already made preparation for reformulating its courses of studies after it attains autonomous status. As a matter of fact, the teachers are now contemplating (and the proposal is already under the consideration of the State Government, as was told to the Committee) to develop this college into a Postgraduate and Research Institute in future.

In the four social sciences departments there are only two Ph.Ds.(one in Economics and the other in History) and three M.Litt. degree holders,(two in Psychology and one in History). Some members have registered themselves for Ph.D. or M.Phil. degree. But very few teachers in the departments could produce evidence in support of their research work. Some of them were busy in writing text-books in Tamil.

Among the 4 language departments, the department of English is completely indifferent to the need for doing research. It does not have any plan for undertaking any research project. The research



The research work and the creative writings done by teachers in the Tamil department are also not very impressive. There are two Ph.Ds and two M.Litt. degree holders in the Tamil department. In the Telugu department there are two Ph.Ds. and two M.Litt. degree holders, though it is small in size and does not get adequate grants from the Government even for buying books and journals. The teachers in this department are making valiant efforts to publish research papers and collect old unpublished manuscripts. The Sanskrit department has only 4 teachers of whom one is registered for Ph.D. and another is engaged in research work.

On making enquiries, the Committee was informed that under Government rules no student can be given access to the Book Bank unless he pays Rs.20/- as caution money, evidently such a collection defeats the very purpose of the Book Bank scheme as it deprives poor students from taking advantage of this facility. The Committee strongly recommends that the UGC may, therefore, draw the attention of the State Government to this and they be persuaded to withdraw this rule immediately.

The department of Politics and Public Administration, at present, offers very few optional papers from among the several provided in the University syllabus. Besides, the same papers are offered by the Madras Christian College. The Committee recommends that the department may in consultation with its counterpart in the Madras Christian College and the University may work out an arrangement whereby facilities are provided for teaching different optional papers in these departments so as to avoid duplication and facilitate diversification of courses in Politics and Public Administration. Papers, such as elements of Methodology, development Administration, International Administration, Political Sociology etc. may be introduced in either of the two colleges.

#### RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

##### HISTORY:

There are 12 teachers in the department of whom only one holds a Ph.D. degree. Two teachers are guiding research work of students who are working for their Ph.D. These two teachers do not possess a Ph.D. degree. Two teachers have published 6 research papers and 3 teachers have written 16 books. Five teachers are conducting research for M.Litt. degree. There are 3,363 books and 731 bound volumes of journals in the library. The department is subscribing to 8 journals. Four part-time and one full-time scholars are working in the department for their Ph.D. degree.

The department has asked for an additional post of Reader but in view of the non-fulfilment of the norms laid down by the Commission, the Committee does not recommend the sanctioning of this post. For the current plan period the Committee recommends that the

department may be provided the following assistance:

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 30,000/-
Total:	<u>Rs. 60,000/-</u>

ECONOMICS:- The department of Economics has a competent head. There are 13 teachers of whom one holds Ph.D. degree, one is M.S. from Hawaii(USA) and two are M.Litt. degree holders. The research output of the department is, however, not adequate. The head of the department is guiding six research scholars who are working for Ph.D. degree and has published 15 papers of which only one has been published in a standard research journal viz., Indian Economic Journal. Seven teachers have registered for Ph.D. degree and one for M.Litt. Of the several optional papers included in the University syllabus, the department offers facilities for teaching only International Economics. This is rather sad because there are a number of teachers having specialisation in Economic Development and Labour Economics. The department has also conducted 4 orientation courses.

The departmental library is well developed with 34,391 books and 1909 bound volumes of back numbers of journals. The list of journals subscribed is exhaustive. The research wing of the department needs strengthening by adding research oriented periodicals and journals. In view of the present requirements of the department, the following assistance may be provided to the department:

1. Books and Journals:	Rs. 40,000/-
2. Faculty Improvement:	Rs. 20,000/-
Total:	<u>Rs. 60,000/-</u>

POLITICS & PUBLIC ADMINISTRATION:

There are 10 teachers in the department, of whom only one holds Ph.D. degree. One teacher has published 8 articles and 9 teachers have written books. The head of the department does not possess a research degree. The departmental library has 2,630 books and is subscribing to 13 journals. The department is not yet recognised for guiding research. The Committee was informed that the department was getting an annual grant of Rs.800/-only for the purchase of books and journals. More than half of the present collection of books was added before 1955. The departmental library has very few books on Political Theory, Political Sociology, Political Development etc. The Committee suggests that the department should subscribe to some more journals like Political Studies, World Today, Asia Quarterly, Far Eastern Survey and China Quarterly. The Committee recommends that the following assistance be provided to the department during Fifth Plan period:

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 30,000/-
Total:	<u>Rs. 60,000/-</u>

PSYCHOLOGY: There are 10 teachers in this department and only one teacher possesses Ph.D. degree and one teacher holds M.Litt. degree. Some teachers are working for Ph.D. and M.Litt. degrees. The research output of the department is nil.

There are 1141 books in the departmental library, of which 735 have been purchased from State Government grants, 327 from UGC book grant, 53 from the text-book grant and 26 from COHSIP grant. The department is short of space, but since the department does not fulfil the norms laid down by the Commission, the Committee does not recommend any assistance for the extension of buildings. The following assistance is recommended for the department:

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 30,000/-
Total:	<u>Rs. 60,000/-</u>

ENGLISH:- This is the oldest department in the college. There are 18 teachers in the department. No one possesses research qualifications. However, four teachers are engaged in research leading to Ph.D. degree and one teacher has submitted his thesis for the Ph.D. degree of the Madras University. The head of the department possesses M.Litt. degree from Madras University. There are in all 5569 books in the departmental library. The department is subscribing to 14 journals. The research output of the department is nil. The department has asked for a post of Reader in English but, since the department does not fulfil the norms laid down by the Commission, the Committee does not feel inclined to recommend to the Commission, the sanctioning of the post. The following assistance may be provided to the department:

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 30,000/-
Total:	<u>Rs. 60,000/-</u>

TAMIL:- There are 20 teachers in the department. Four teachers hold Ph.D. degree and one possesses M.Litt. degree. The head of the department who is a Ph.D. is guiding 8 research scholars. Ten teachers are registered for Ph.D. There are 7899 books in the departmental library, and the department has been subscribing to 3 journals. The Committee recommends that the following assistance be provided to the department during the current plan period:

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 30,000/-
Total:	<u>Rs. 50,000/-</u>

TELUGU:- There are 7 teachers in the department, of whom 2 teachers possess Ph.D. degree and one teacher holds M.Litt. degree. Four teachers are working for their Ph.D. degree. One teacher is guiding two students for the M.Litt. degree and one for the Ph.D. degree. There are 2,455 books in the departmental library. The department is subscribing to 8 journals. Seven candidates are doing research for the Ph.D. degree of whom 5 are part-time. Two teachers are also working for their M.Litt. degree on a part-time basis. The following assistance is recommended for the department:

1. Books and Journals:	Rs. 30,000/-
2. Faculty Improvement:	Rs. 30,000/-
Total:	<u>Rs. 60,000/-</u>

SANSKRIT:- There are 4 teachers in the department and none of them possesses a research degree. The head of the department has, however, submitted his thesis for the Ph.D. degree. He has written about 14 research articles and has edited two books for publication. There are 3625 books in the departmental library. The department is subscribing to 4 journals. The following assistance may be provided to the department during the current plan period:-

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 20,000/-
Total:	<u>Rs. 40,000/-</u>

MATHEMATICS:- There are 15 teachers in the department, of whom, 3 teachers possess research degrees. One teacher has written six text-books in Mathematics for degree students. Only one teacher is recognised to guide research but he does not have any Ph.D. student at the moment. He has produced one Ph.D. who is a member of the department. The department has not published any research paper so far. The students are not offered any choice in electives. The departmental library has a stock of about 4331 books and it is subscribing to 8 journals. The department may be provided Rs.30,000/-for the purchase of books and journals.

STATISTICS: There are 8 teachers in the department and none of them possesses research qualifications. The department has published so far six research papers. Six teachers are registered for Ph.D. in the Madras University. They need assistance to pursue their research work in the department and the Committee feels that a Micro-Computer system costing about Rs.15,000/- will be of great value to them for research work. The department has 800 books in the departmental library which is really ill-equipped. They are offering an M.Sc. course wherein a research project has to be undertaken by the students in the 4th semester. The students also require some computing equipment to assist their calculations and hence two moscal electronic desk calculators may be provided to this department. The Committee recommends that the following assistance

may be provided to this department:-

1. Books and Journals:	Rs. 15,000/-
2. Faculty Improvement:	Rs. 10,000/-
3. Equipment:	Rs. 15,000/-
4. Miscellaneous (Electronic Desk Calculators-2)	Rs. 7,500/-

Total: Rs. 47,500/-

PHYSICS: There are 17 teachers in the department, of whom 2 teachers hold research degree. Six persons are working under the head of the department for their Ph.D. degree, of whom 3 are the members of the department. The head of the department has produced 3 Ph.Ds. Facilities are available for research in Molecular Spectroscopy. There is a strong school of research in the department in this area. The department has a plan to set up a sidon system for research on tropespheric investigations. It needs a camera for the same. The dirac instruments have already been obtained from other sources. The department has a good workshop but it needs to be strengthened. The Buffer Machine (Rs.500/-)- and Electrical Saw(Rs.2,500/-) may be provided under miscellaneous head. They can also get a sheet bending machine (Rs.6,000/-) to make their own chases for Electrons and other equipment. They need two electronic calculators (two memory) for helping their research work(Rs.5,000/-)..

The department has a library with about 900 books in the post-graduate section. The library needs to be strengthened by adding more books in Electronics, Spectroscopy, Nuclear Physics and various other areas. They are subscribing to 18 journals. The department wants to have an additional post of a Reader to strengthen its teaching. Since the department does not fulfil the norms prescribed by the Commission, the Committee does not recommend for the sanctioning of this post. The following assistance be provided to the department:-

1. Books and Journals:	Rs. 40,000/-
2. Faculty Improvement:	Rs. 20,000/-
3. Equipment:	Rs. 60,000/-
4. Miscellaneous:	Rs. 16,000/-
	<u>Rs. 1,36,000/-</u>

CHEMISTRY:- There are 20 teachers in the department, of whom 7 are Ph.Ds. Three teachers are recognised as research guides. Six members of the department and two outside scholars are registered for Ph.D., under the head of the department, who is to retire soon. The department has published 112 papers. Fifty papers have been published by only one teacher during the last five years. Thus, the department has an active group of research workers. The main fields are Chemistry of Natural Products and Physical Organic Chemistry. The course structure is the same as that of Pachiappas'

College. The infra-red and ultra-violet spectrophysics have been used in the department for the last 25 years and are now almost out of order. It is necessary that they should be replaced. These equipments are important both for research and teaching. In case both these equipments cannot be provided then the first priority may be given to infra-red. The departmental library is subscribing to about 40 research journals. They need 2 more journals. They also require assistance to replace some back volumes of few journals.

The department has an ice plant which is working for the last 20 years and now it requires replacement. This may be provided under miscellaneous head. As the department has enough facilities for research and there is no need for the improvement of the faculty, the Committee strongly recommends that the amount admissible for this purpose may be provided to the department for equipment. The following assistance may, therefore, be provided to the department during the current Plan:-

(1) Books and Journals:	Rs. 40,000/-
(2) Equipment:	Rs. 1,00,000/-
(3) Miscellaneous:	Rs. 16,000/-
Total:	<u>Rs. 1,56,000/-</u>

BOTANY: There are 13 teachers in the department, of whom three possess research qualifications. The department has been doing good work and is known internationally for its contributions in the field of Developmental Anatomy. Two teachers have been recognised by the University as competent to guide research. One other member of the faculty has completed his work and was ready to submit his thesis for Ph.D. in Mycology and two others have registered recently with the major professors in this department for their Ph.D. The faculty has published so far 8 scientific papers and more than 12 books. Professor P.G.L. Swami, a well-known Anatomist is currently with this department as a Professor Emeritus (appointed by the State Government) and continues to teach and help in its research activities. During the last 10 years, 8 Ph.Ds. have been produced by this department. The department offers specialisation in Taxonomy.

The laboratory space seems to be adequate for the research programmes they have in hand. They have a reasonably good research laboratory for the type of work they are specialising in. The college is spending annually, Rs. 11,000/- to Rs. 13,000/- on recurring items. The department is subscribing to 14 current journals. It has also a workshop for the fabrication of minor equipments and for servicing the present equipment.

The department has one of the oldest and the best institutional Herbarium collection in the country. It is internationally recognised as a source of material for reference and exchange. The present Chief Professor being a Taxonomist continues to build and maintain the standard of the collections. It has several holotypes and has been a source of material for several of the earliest flora and books

on plant wealth in South India. The Herbarium of this type needs constant attention in the way of collection, identification and sorting. The Committee, therefore, recommends that this department may be treated specially and the post of a Herbarium Keeper may be sanctioned provided the State Government agrees to maintain the post after the period of Commission's assistance is over. The following assistance be provided to the department:

(1) Books and Journals:	Rs. 30,000/-
(2) Faculty Improvement:	Rs. 15,000/-
(3) Equipment:	Rs. 30,000/-
(4) Technical Staff:	Rs. 10,000/-
(Herbarium Keeper in the scale of Rs.250-400).	
(5) Development of Herbarium.	Rs. 35,000/-
Total:	Rs.1,20,000/-

ZOOLOGY:- There are 13 teachers in the department, of whom two hold Ph.D. degree and one M.Phil. degree. Five teachers are engaged in research leading to Ph.D. degree and two others are working for their post-doctoral degree. A full-time research scholar is also working for his Ph.D. One of the teachers, holding a Ph.D. degree is working as a Demonstrator. The performance of the department has been tolerably good and the number of first classes on the average is about 33%. The library is poor and most of the books are old. The stock of books in animal Physiology, Embryology, Physiological Chemistry, Biophysics, Animal Behaviour, Ecology, Biostatistics is extremely inadequate. The laboratory is tolerably good. Good equipments have to be purchased. Some of the equipments are out of order and have to be repaired. Equipment for research like Spectronic-20, PH meter, flame Photo Meter etc. are to be purchased. The museum is good, but not well displayed. The department has published six research papers and has produced 3 Ph.Ds. so far. quality of the staff is, therefore, to be improved. The department should subscribe to:-

are available for class work. For Animal Physiology, New equipments

- (1) The current Content
- (2) Experimental Para-sitology
- (3) Haematology
- (4) Acta-histochemie
- (5) Comparative Biochemistry

The Committee recommends that the following assistance be provided to the department:

(1) Books and Journals:	Rs. 30,000/-
(2) Equipment:	Rs. 60,000/-
(3) Physiology Laboratory:	Rs. 25,000/-
(4) Animal House:	Rs. 25,000/-
Total:	Rs.1,40,000/-

GEOLOGY:- This is one of the oldest departments in the country. It has 12 teachers, of whom 3 hold Ph.D. degree. Other teachers are engaged in research leading to the Ph.D. degree. The staff is, fairly adequate and competent. The laboratories are well-equipped. The microscopic laboratory is comparable to those in University Departments. The Chemical Laboratory needs to be strengthened for advanced level research. The department has excellent facilities for research in Mineralogy Petrology and to some extent Structural Geology. It has produced 7 Ph.Ds. The number of research publications is about 20, most of which are by the present Professor and his co-workers. The number of books in the departmental library is about 2200. The department is subscribing to 12 foreign journals and 5 Indian journals, all of which are standard and much referred to. The library definitely needs to be strengthened. The Committee does not recommend any additional staff as required by the college. Keeping in view the progress so far made and the need for further development, the following recommendations are made:-

(1) Books and Journals:	Rs. 40,000/-	
(2) Equipment:	Rs. 40,000/-	
(3) Miscellaneous (field training)	Rs. 12,000/-	(Rs. 4,000/- for field training plus Rs. 8,000/- for equipment connected with the field work).

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Rs. 92,000/-

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GEOGRAPHY:- This department is also fairly old. It has a staff of 8 teachers, one of whom possesses a research degree. The head of the department does not hold a research degree. The quality of the faculty needs improvement. The department is fairly well-equipped; only the Cartographic Laboratory needs to be strengthened. The departmental library has about 1600 books and subscribes to 9 journals. Obviously, this is not adequate for a postgraduate department with a programme for research and teaching in diverse fields and, therefore, needs to be strengthened. The performance of the department in research is rather poor. The research output is nil. However, it is heartening that most staff members are engaged in research work now. The main fields are: (a) Agricultural Geography; (b) Transport Geography and (c) Settlement Geography.

The Committee recommends that the following assistance be provided to the department:



(1) Books and Journals:	Rs. 20,000/-
(2) Equipment: (Cartographic Laboratory)	Rs. 20,000/-
(3) Miscellaneous (field work)	Rs. 8,000/-
(4) Faculty Improvement:	Rs. 22,000/-
Total:	Rs. 70,000/-

#### VI. STELLA MARIS COLLEGE:

The college was founded in 1947. It offers facilities for teaching in Economics, English, History, Fine Arts and Social Work at M.A. level in Mathematics at the M.Sc. level. There are 161 students in M.A. and 53 students in M.Sc. There are 92 teachers on the staff of the college, of whom 21 are temporary. The examination results have been uniformly good. In M.Sc. Mathematics, the pass percentage has been between 80 and 90 while in M.A. it has been between 95 and 100. Besides the normal academic activities the students participate in various extra curricular activities. A number of associations and clubs have been organised by the students. The college campus is spread over an area of about 20 acres of which 3 acres have been utilised for academic buildings, one acre for residential quarters, two acres for hostels, seven acres for play grounds, four acres for gardens and three acres for cultivation purposes. The facilities provided for students and teachers are adequate. The library is very commodious. It has a provision for 350 reading seats with an area of 3037 sq.ft. The library is being supervised by a trained librarian. It has research cubicles and good reference books.

The financial position of the college during the last five years have been very sound.

GENERAL OBSERVATIONS:- The college has a big campus and it is well maintained. The buildings are neat and clean and very well built. The library has been built with the assistance of the Commission. It is a very well planned library. It contains cubicles and other facilities required by research scholars. The teachers are good spirited and work in a team. The departments of Fine Arts and Social Work are doing excellent work. So far as research is concerned, the teachers do not seem to have shown any interest and hence the research output is virtually insignificant.

#### RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

MATHEMATICS:- There are 3 teachers in the department of whom one holds an M.Phil. degree. Two teachers are registered for Ph.D. and one for M.Phil. The department offers three special subjects in the third and fourth semester. The departmental library is tolerably good and needs to be strengthened. The research output

of the department is nil. The Committee recommends that the following assistance be provided to the department:

(1) Books and Journals:	Rs. 40,000/-
(2) Faculty Improvement:	<u>Rs. 20,000/-</u>
Total:	<u>Rs. 60,000/-</u>

ENGLISH:- There are 27 teachers in the department of whom one holds Ph.D. degree. By and large the teachers in the department have not done any research work though some of them are thinking now of getting themselves registered for Ph.D. or M.Phil. The department has requested for a grant of Rs.40,000/- for organising a Theatre Workshop. Their plea, that "its future development is largely tied up with the establishment of theatre workshop," is not very much convincing, for all the teachers need not be involved in such an activity. Majority of the teachers can undertake other research activities in the field of English language and literature. Besides, the department seems to have only a vague idea about theatre workshop. Before organising such a workshop, it is necessary that at least one member of the staff should receive training in an Institution like the National School of Drama at Delhi or film and Television Institute at Poona. In view of the emphasis in the Experimental Theatre Movement on improvisation and staging the plays even without sets or special costumes, the Committee feels that the demands of the department appear to be out of tune with the trends in the theatre movement. The Committee, therefore, does not support this proposal. However, the following assistance be provided to this department:-

(1) Books and Journals:	Rs. 30,000/-
(2) Faculty Improvement:	<u>Rs. 20,000/-</u>
Total:	<u>Rs. 50,000/-</u>

ECONOMICS:- There are 7 teachers in the department, of whom one holds a Ph.D. degree. No member of the department has shown any interest in research work and consequently the department has not produced even a single Ph.D. or published a single paper. It has no doubt conducted some surveys but the findings of such surveys have not been published. The following assistance may be provided to the department:-

(1) Books and Journals:	Rs. 30,000/-
(2) Faculty Improvement:	<u>Rs. 20,000/-</u>
Total:	<u>Rs. 50,000/-</u>

SOCIAL WORK:- There are 6 teachers in the department. None of them holds a Ph.D. or M.Phil. degree. It is a very active department and has undertaken a number of surveys and published articles in journals. The department has a proposal to implement two projects namely. (i) Integrated Child Care in Shiva Shammuga Puram and Urban Slum and (ii) Community Development in Pattipulam Village. The aim of the former project would be to provide educational, nutritional and preventive health services to pre-school children in the area to prevent malnutrition through demonstrations and nutrition classes to mothers and provision of nutritional supplement to the children; to educate the mothers to adopt helpful practices in their families and in the community; to provide non-formal education to the drop-outs and to provide other Concomitant Services to children in the area. The area selected is one where people of low income and backward classes live. The beneficiaries of the programme would be pre-school children in the age group of 3-5 years and for their mothers as far as the day care scheme is concerned.

The second project is for developing the community in the village Pattipulam which is a small coastal village, about six miles to Mahapalipuram and fifty one km. away from Madras city. Most of the families have income ranging from Rs.50/- to Rs.100/- per annum. The students trainers of the department have been helping the community through weekly visits and periodic camps. But such visits are inadequate to solve the problems of the area, and, therefore, for the betterment of the community full-time, permanent, sustained and continuous efforts are called for. The Committee feels that these two programmes are good in their own right but does not feel inclined to recommend to the Commission to provide assistance for these projects. However, the department is advised to submit these projects to the Commission under the scheme of minor research projects since the amount does not exceed Rs.20,000/-. The Committee recommends that the Commission may consider these two projects for assistance favourably since the department has been doing good work in the field of Social Work and it will be a sort of incentive to its future activities. For the present, the following assistance be provided to the department:-

1. Books and Journals:	Rs. 20,000/-
2. Faculty Improvement:	Rs. 20,000/-
3. Field Work:	Rs. 20,000/-
Total:	<u>Rs. 60,000/-</u>

FINE ARTS:- There are 7 teachers in the department of whom one possess a Ph.D. degree. This is also an active department and some members have also published articles in journals. This department offers postgraduate courses in Fine Arts with specialisation in Commercial Art and Photography at the postgraduate level.

The department requires accommodation for the Workshop at an estimated cost of Rs.1,50,000/- and equipment worth Rs.30,000/-. The department may, therefore, be assisted for the following:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 10,000/-
(3) Workshop building:	Rs. 25,000/-
(4) Workshop Equipment:	Rs. 30,000/-
Total:	<u>Rs. 85,000/-</u>

#### VII. QUEEN MARY'S COLLEGE:

The college was established in 1914 and is permanently affiliated to the Madras University. Facilities for teaching History, Tamil and Geography at the M.A. level and Home Science and Geography at the M.Sc. level are available at present. At the postgraduate level 55 students are enrolled in the first year and 56 students in the second year. The performance of the students in the university examinations has been consistently good. In 1975-76 the percentage of successful candidates in M.Sc.(Home Sc. and Geography) and M.A.(Geography) was 100% in M.A.(History) it was 96 and in M.A.(Tamil) it was 95. There are 144 teachers in the college, of whom only 2 teachers possess research qualifications. About 90% of the teachers hold second class master's degree.

The college has a big campus and the buildings are tolerably good; maintenance is satisfactory. There is a vast play ground of about 4-5 acres with a number of courts. Facilities for indoor games like table tennis are also available. A new hostel building has been constructed with Commission's assistance which accommodates about 90 students. The financial position of the college during the last five years has been quite satisfactory.

#### GENERAL OBSERVATIONS:

The college has a good campus; but the buildings are old. However, they have been maintained very well. There is shortage of space for general library, teachers laboratories and students.

The college has been charging Rs.20/- from students for using the Book Bank, which is not a satisfactory arrangement. Since the scheme is meant for poor students, a charge of Rs.20/- means that those for whom this scheme is meant are deprived of the benefit.

The department of Home Science has been doing good work; teachers are well-up in their areas and form a team of enthusiastic workers.

The general library accommodation is quite inadequate. The laboratories are fairly well equipped but accommodation is inadequate. Barring a few teachers the majority of them does not seem to have taken any interest in research, although quite a good number of them are well up in their subjects. Facilities for advanced research are wanting in all subjects, but in Home Science and Geography the facilities provided for dissertation work at the postgraduate level are satisfactory.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

HISTORY:- There are 14 teachers in the department of whom one teacher holds Ph.D. degree, as well as an M.Litt. degree, one holds a first-class master's degree and the remaining are second class M.A.s. It concentrates only on teaching and research has been totally neglected. The teachers are no doubt enthusiastic and able, but owing to lack of facilities they have not been able to make any progress in research. The examination results have been excellent. The following assistance may be provided to the department during the current plan period: . .

(1) Books and Journals:	Rs. 30,000/-
(2) Faculty Improvement:	Rs. 20,000/-
TOTAL:	<u>Rs. 50,000/-</u>

TAMIL:- It is a very big department and has 21 teachers of whom 3 teachers possess M.Litt. degree and seven teachers hold first-class masters' degree. Their output in terms of research and publications is rather poor. The Committee gathered an impression that the teachers were not quite aware of the value and need of research. However, it is essential that their qualifications are improved and facilities are provided for research and, therefore, the Committee recommends that the following assistance be provided to the department during the current plan period:-

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 20,000/-
Total:	<u>Rs. 40,000/-</u>

GEOGRAPHY:- There are 13 teachers in the department of whom all are second class M.A./M.Sc. The department is conducting courses both for M.A. and M.Sc. in Geography. Three teachers are already working for their M.Phil. degree in the University and the head of the department is working for his Ph.D. in the A.C. College since 1964. One of the teachers has research experience and one paper of her has been accepted for publication.

Since the department conducts field work it requires equipment. They are teaching three special subjects. Following

equipments may be purchased by them immediately: (i) Camera 35 mm with accessories (Rs. 7,000/-) (ii) Overhead Projector with accessories (Rs. 4,000/-); (iii) Magnaliter with accessories (Rs. 4,500/-) (iv) Electronic Desk Calculator; (Rs. 1,500/-), (v) Mirror stereoscope (Rs. 9,000/-); (vi) Drafting machine with table Rs. 1,000/- and (vii) Aerial photos (Rs. 2,000/-). The departmental library needs improvement. The following assistance may be provided to the department:-

1)	Books and Journals:	Rs. 30,000/-
2)	Faculty Improvement:	Rs. 15,000/-
3)	Equipment:	Rs. 29,000/-
4)	Miscellaneous (maps and charts)	Rs. 5,000/-
	Total:	<u>Rs. 79,000/-</u>

HOME SCIENCE:- There are 14 teachers in the department of whom 2 are Professors. None of these teachers holds a Ph.D. degree. But the Professor is foreign qualified. Another teacher in the department has a postgraduate diploma in Home Science. The Committee could get some evidence of research done by the teachers as they have published six papers during the last 3 years in the Indian Journal of Home Science. The course structure is such that in the Fourth Semester the students are expected to submit a dissertation besides two theory papers. They also teach research methodology as one of the papers in the first semester. The department needs assistance to improve its library and laboratory.

As the course is unique in itself in the sense that other colleges do not offer this combination, the Committee feels that the department may be assisted as much as possible. The Committee strongly recommends that since many Ph.Ds. are not available in the country in Home Science, the norms prescribed by the Commission may be relaxed, as a special case for this department. The following assistance be provided to the department:

(1)	Books and Journals:	Rs. 30,000/-
(2)	Equipment: (Expirograph, Electronic Calculators-2, Binocular Research Microscope, Kofrani Respirometer, Dangle Bags-2, Spectronic (Systonix) and animal room facilities).	Rs. 30,500/-
(3)	Building: (Extension of Laboratories)	Rs. 37,500/-
(4)	Faculty Improvement:	Rs. 20,000/-
(5)	Miscellaneous: Ammonia Printing, Refrigerator & Deep Freeze Cabinet. TOTAL	Rs. 14,000/- <u>Rs. 1,32,000/-</u>

VIII. LOYALA COLLEGE, MADRAS:

The college was established in 1925. Besides offering facilities at the undergraduate level in Arts, Science and Commerce, it offers facilities for teaching Mathematics, Chemistry, Economics, Social Work and Commerce at the postgraduate level. There were 200 students at the postgraduate level in 1975-76. The examination results of the college during the last five years have been consistently good.

The college has a beautiful campus which is quite spacious and the buildings are well maintained. It is spread over an area of 80 acres. There are 127 teachers in the college of whom 11 teachers possess Ph.D. degree.

The total floor area of the library is 936 sq.meters. It has a provision for 264 reading seats. The college offers facilities to students in important outdoor and indoor games.

. . . Besides organising departmental Associations, the students . . . have also organised debating club, quiz club and other cultural clubs. The college also has a Student Counselling Centre with a highly qualified full-time Counsellor.

GENERAL OBSERVATIONS: The college has a beautiful campus which is quite spacious. It has beautiful buildings which have been maintained very well. The teachers are a band of enthusiastic and competent workers, but research output is rather poor. The Committee observed that they have a vast treasure of data collected by students, but the teachers have not been able to make its use. The Committee was informed that the teachers do not get any time for analysing the data because their work load is very heavy. The department of Economics is quite active and has produced some papers and books.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

MATHEMATICS:- The department has been teaching M.Sc. since 1958. There are 12 teachers in the department of whom two are professors. One teacher is trained in topological dynamics and holds Ph.D. degree. Two other teachers are registered for Ph.D. of whom one should be able to submit the thesis very shortly. The department has a library which has about 5000 books in stock. The following assistance may be provided to the department:

(1)	Books and Journals:	Rs. 30,000/-
(2)	Faculty Improvement:	Rs. 20,000/-
	TOTAL:	Rs. 50,000/-

CHEMISTRY:- It is a very good department. It has five research degree holders on its staff of whom 3 are recognised as research guides. One teacher is registered for Ph.D. degree and two others are also doing research for their Ph.D. degree. The areas of research are physical Organic Chemistry, Bio-organic and Theoretical Chemistry. The department has published so far about 20 research papers of which 10 have been published during the last five years. They require to strengthen their research laboratories for which the Committee recommends that a grant of Rs.40,000/- may be provided. The following assistance may be provided to the department:-

(1) Books and Journals:	Rs. 30,000/-
(2) Faculty Improvement:	Rs. 20,000/-
(3) Equipments:	Rs. 40,000/-
(Electronic Calculators-2, Polyacrylamide, Electrophor- asis equipment, duto claves, Thermostat accessories, Function Generator and accessories for Carl Zeiss Calorimeter);	
(4) Miscellaneous (Refrigerator).	Rs. 5,000/-
Total:	Rs. 95,000/-

SOCIAL WORK:- There are five teachers in the department, none of them holds a Ph.D. degree. But all of them are devoted workers. Students have to take project work, field surveys and have to write dissertation. The department has no Social Work Workshop. The expenditure on Books and Journals in 1974-75 was about Rs.6,000/- which is quite small. The library needs to be strengthened. The Committee recommends that the following assistance be provided to the department:

(1) Books and Journals:	Rs. 30,000/-
(2) Faculty Improvement:	Rs. 20,000/-
total:	Rs. 50,000/-

ECONOMICS:- There are six teachers in the department of whom none possesses a research degree. Industrial Economics is taught as an optional paper. The department has not shown any evidence for having taken interest in research. However, a few books and papers have been published. The following assistance may be provided to the department:

(1) Books and Journals:	Rs. 30,000/-
(2) Faculty Improvement:	Rs. 20,000/-
Total:	Rs. 50,000/-



IX THE NEW COLLEGE, MADRAS :

The college was founded in 1951 by the Muslim Educational Association of South India, Madras. The college is imparting instruction at the postgraduate level in Arabic, Economics, English (Literature), Chemistry, Zoology and Commerce. The total student enrolment in 1976-77 was 965, of whom 112 students were enrolled in postgraduate classes. This is a composite college and, therefore, every department teaches at PUC degree, and postgraduate levels. There are 167 teachers in the college, of whom, 63 are temporary.

The college campus extends over 11 acres. It has a hostel which can accommodate 350 students. The college offers facilities for various outdoor and indoor games. The total area of play grounds is about 7 acres.

The library has a total floor area of 6,460 sq.ft. and has a provision for 50 reading seats. The area of the stack room is 1081 sq.ft. The library is under the charge of a qualified librarian and has an open shelf system.

The Financial position of the college during the last five years has been quite satisfactory.

GENERAL OBSERVATIONS:- The college has an impressive campus with good buildings which are well-maintained. It is located in the heart of the city and enjoys all the facilities of transport and communication, water and electric supply etc.

Most of the teachers are M.A./M.Sc. In some departments not even a single teacher holds a doctorate degree. Arabic is the oldest department, but no teacher possesses a research qualification.

The buildings sanctioned by the UGC during earlier plans under the scheme of development of undergraduate education had not been completed up to the time the Committee visited the college. The college also did not claim any grant under the scheme of development of postgraduate studies during the Fourth Plan.

The departmental libraries are on the whole well-maintained and good but the general library is cramped for space. The building sanctioned by the UGC for the library is under construction.

The teachers as a whole do not have any idea of research; they do not appreciate the importance of publication of research papers or a Ph.D. or M.Phil. degree.

The Committee was told that the teachers are given study leave without pay and the period of their absence from the college is not counted towards normal increments. This sort of situation must be telling very hard on the teachers. Most of the teachers are not

aware even of the schemes of research or programmes of assistance of the UGC. Consequently, none of the teachers in any of the departments is a Ph.D. or M.Phil. or an M.Litt. The management has recommended the names of 13 teachers for registration to Ph.D./M.Phil./M.Litt. but no teacher has been registered so far. Barring one teacher in the English department who is a recognised poet, other teachers in all the departments have not published any research paper or articles. Very few members of the faculty seem to be associated with all India Associations in their subjects.

Recommendations about Individual Departments:

SOCIAL SCIENCE:- The recommendations of the Committee regarding Humanities and Social Science departments are given below:-

The departments of Arabic, English, Economics and Commerce have proposed to send 4 teachers (one from each department) for Faculty Improvement. The salaries of the substitutes may be paid by the UGC. Grants permissible under the rules may be granted for books and journals. Since these departments do not fulfil the norms laid down by the Commission, the Committee does not recommend any grant for the construction of lecture theatres or buildings. The department of English has one member who has studied linguistics, but the department does not offer facilities for teaching linguistics. Since linguistics is a paper in the M.A. course and is also taught in one or two other colleges, this could also be introduced in this college. The following assistance may be provided to these departments:

<u>Department:</u>	<u>Books &amp; Journals:</u>	<u>Faculty Improvement</u>	<u>Total:</u>
Arabic	Rs. 20,000/-	Rs. 10,000/-	Rs. 30,000/-
English	Rs. 30,000/-	Rs. 20,000/-	Rs. 50,000/-
Economics	Rs. 30,000/-	Rs. 20,000/-	Rs. 50,000/-
Commerce	Rs. 30,000/-	Rs. 20,000/-	Rs. 50,000/-
Total:	Rs. 1,10,000/-	Rs. 70,000/-	Rs. 1,80,000/-

SCIENCE DEPARTMENTS:

ZOOLOGY :- The department has two Professors, seven Assistant Professors and five Demonstrators. Two teachers possess research qualifications while two are engaged in research leading to Ph.D. and three are registered for M.Phil. One teacher has gone to USA for completing his Ph.D. The Committee was informed that 21 research papers have been published but the list or copies of these papers were not produced. So far as the staff is concerned it is adequate for the present. The library is tolerably good, however, books in Animal Physiology, Ecology, Bio-metry, Biochemistry and Biophysics are urgently needed. Journals like, Current Content, Histo-Chemistry, Fisheries, Haematology, Heredity should be urgently subscribed. Many of the equipments are new and in good condition. Some more equipments like Kymographs and Stimulators, Single Pan balance electrically operated, Cryostat spectronic 20, Electrophoresis apparatus, PH meter,

warbing apparatus could be purchased. Many of the courses given at present are those which are taught in degree classes also, and at the postgraduate level those very papers are just being taught in a little detail. This remark does not apply to the optional subject Fisheries, Biology. Modern subjects like Molecular Biology Cellular Physiology and Environmental Biology and Pollution should be included in the syllabus. No teacher is qualified to teach Bio-Physics, Bio-chemistry and Bio-statistics. It is suggested that, the Chemistry, Physics and Statistics departments should teach these subjects. No teacher has upto now participated in any conferences or symposia in Zoology or has undertaken field work and environmental studies and the Committee strongly recommends that the department may be assisted for these purposes. The Committee was surprised to note that the department does not have a Museum or an Animal House, and the College has not even asked for any assistance for these purposes. The Committee, therefore, recommends that the following assistance may be provided to the department during the current plan period:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement: (including provision for national conferences/symposia/ field work)	Rs. 27,000/-
(3) Equipment:	Rs. 30,000/-
Total:	Rs. 77,000/-

CHEMISTRY:- There are 3 teachers in the department who hold Ph.D. degrees and are eligible for guiding research. 3 other teachers are registered themselves for Ph.D. Three more are interested for registering themselves for M.Phil. in the department, if allowed by the University. The intake of the department is 16. During the last one year the department has published six research papers. The fields of research for which facilities are available in the department are Physical and Organic Chemistry and Chemistry of Natural Products. The management provides Rs.50,000/-per year for consumables such as Chemicals etc. for the use of research students. The department needs some more equipments to strengthen their research laboratories and class work teaching especially because the students of M.Sc. are expected to do some project work in the fourth semester. There are about 3000 books in the departmental library. It is also subscribing to 8 research journals and the department wishes to get five more. The department proposes to purchase an ice plant which the Committee feels is very important and the department must be assisted under miscellaneous head for the purpose. The department has asked for assistance for constructing an extension to the present building for research laboratory covering an area of about 1200 sq.ft. at a cost of Rs.60,000/-. Although the department does not fulfil the norms laid down by the Commission, the Committee recommends that assistance

for the construction of this building may be given as a very special case. The following assistance may be provided to the department during the current plan period:-

1) Books and Journals:	Rs. 540,000/-
2) Faculty Improvement:	Rs. 17,000/-
3) Equipment:	Rs. 50,000/-
4) Building:	Rs. 30,000/-
5) Miscellaneous:	Rs. 16,000/-
Total:	<u>Rs. 1,53,000/-</u>

V. VIVEKANANDA COLLEGE:

The college was set up in 1946. It is permanently affiliated to the University. It has been imparting instruction at the postgraduate level in Economics, Philosophy, Sanskrit, Mathematics and Chemistry. There are 45 teachers in these five departments who teach both at undergraduate and postgraduate levels, as this is a composite college. Of these teachers 11 possess research qualification. The departments of Philosophy and Economics have been recognised for guiding research by the University.

GENERAL OBSERVATIONS:

The college is an old institution devoted more to teaching than to research. The examination results have been excellent. There were 8 students belonging to scheduled castes and scheduled tribes in the postgraduate classes in 1976-77. The college has been quite liberal in granting study leave to its teachers for improving their qualifications and eight teachers have been granted study leave so far. The college has been carrying out an intensive programme of activities in the fields of social service, students counselling and guidance.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

MATHEMATICS:

The department does not have any teacher with a Ph.D. degree. Five teachers have registered themselves for Ph.D. degree, on a part-time basis. One teacher has registered for Ph.D. on full time basis. The department has published 3 research papers so far. It has a departmental library with 220 books chiefly for postgraduate students. The library needs to be strengthened. The Committee recommends that the following assistance be provided to the department during the current plan period:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 12,000/-
(3) Equipment:	Rs. 10,000/-
TOTAL:	<u>Rs. 42,000/-</u>

CHEMISTRY:- The department has a strong school of research , developed by the head of the department who is also the Principal of the college. He has produced so far 15 Ph.Ds. Two other candidates have submitted their theses under him. 9 teachers possess research degree of whom 4 are recognised for guiding research at the Ph.D. level. The department has so far published 110 research papers.

There are 2000 books in the departmental library which are meant for postgraduate students. The department has been subscribing to 18 journals. The library needs to be strengthened. The research laboratory also needs to be strengthened since the M.Sc. students are required to take research type projects in the fourth semester. The department also needs a window air-conditioner for its instrumentation room where big electronics equipment are kept. They also need to add a glass blowing unit to the existing workshop. For these items they will require Rs.16,000/- which may be provided under 'miscellaneous head. The department needs a gas chromatograph and a recorder for spectro-photometer. The Committee recommends that the following assistance may be provided to the department:

(1) Books and Journals:	Rs. 40,000/-
(2) Equipment:	Rs. 95,000/-
(3) Miscellaneous:	Rs. 16,000/-
Total:	<u>Rs. 151,000/-</u>

ECONOMICS:- The department has an impressive collection of books and journals and other periodicals. It has been fortunate in having received the donation of books, periodicals and reports belonging to late Shri T.T. Krishnamachari, Shri M.A. Manickavelu and Dr. P.S. Lokanathan totalling nearing 10,000 in number. It has been recognised by the University for conducting research leading to M.Litt. and Ph.D. degrees. Six candidates are registered under the head of the department for their Ph.D. degree. The department has been recognised by the UGC under COHSIP. There is only one teacher holding a Ph.D. degree. Two teachers are registered for Ph.D. degree and one for M.Litt. The head of the department is a dynamic personality and has the capacity to organise research. A number of projects has been undertaken under the auspices of the Planning Forum. The department has produced a number of valuable publications. The head of the department is associated with IIT, Madras as a visiting professor and with a number of other universities of South India for delivering lectures. He has published so far 15 research papers. The course content has been made more meaningful by making Mathematical Economics compulsory. Labour Economics is the only optional group that is being offered. Managerial Economics is proposed to be offered from the next academic session. The head of the department proposes to undertake the following projects:

- (a) Institutional Financing of Small Scale Industries;
- (b) Agricultural Pricing and Production ; and
- (c) Energy Planning in Tamilnadu.

In view of the commendable work done by the department and the proposed research work to be undertaken in future the Committee recommends that the following assistance may be provided to it:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 10,000/-
(3) Equipment-(to be shared both by Economics and Philosophy department)- typewriter, duplicator and one electronic desk calculator.	Rs. 15,000/-
(4) Junior Research Fellowship:	Rs. 28,000/-
Total:	Rs. 73,000/-

PHILOSOPHY:- There is only one teacher who possesses a Ph.D. degree; four other teachers are engaged in research leading to Ph.D. degree. The head of the department has been recognised by the University for guiding research. Seven teacher candidates are working under him for Ph.D. The teaching is organised on an intensive scale by preparing and circulating cyclostyled matter to the students in advance. Almost all teachers are engaged in preparing books on "the Philosophy of the Tamil Sidhars" with the assistance of the U.G.C., Political and Social Philosophy of Rajaji, Humanism of Hume and many others. The research output of the department is not adequate, but the teachers are conscious of this deficiency and they are making genuine effort to make it up. The following assistance may be provided to the department:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 10,000/-
Total:	Rs. 30,000/-

N.B. The equipment which has been recommended for the department of Economics is to be shared by the department of Philosophy also.

SANSKRIT:- The department is quite small with only four teachers. One teacher possesses a research degree. At present no research work is being done. There are only six students in M.A. classes. For the present the department may be provided with the following assistance:-

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 10,000/-
Total:	Rs. 30,000/-

XI. A.M. JAIN COLLEGE:

The college was established in 1952 and is permanently affiliated to the University. It has been offering postgraduate courses in Commerce, Mathematics and Economics. There are 35 students in M.Com., 31 in M.Sc. (Mathematics), and 30 in M.A. (Economics). The college has a very big campus. A number of new buildings was coming up when the Committee visited the college. Except two teachers (one in the department of Mathematics who is an assistant professor and who holds a Ph.D. degree and the other in Economics who is the head of the department and holds an M.Litt. degree) none else possesses research qualifications. The examination results have been consistently good and the college appears to be in a sound financial position.

GENERAL OBSERVATIONS:

The campus of the college is good and the buildings are well maintained but the postgraduate departments are cramped for space. There also appears to be acute shortage of furniture. The staff is not qualified in so far as research degrees are concerned. In the department of Economics the teachers have shown some evidence of having done research work (one of the teachers has been doing good work and has published some good monographs in Monetary Economics and the other teacher has done work and brought out publications in Macro-Economics/Development Economics, but as a general rule the teachers have not evinced any interest in research. Some other teachers have, no doubt, published some pamphlets and books but these have not been updated.

The library needs to be strengthened. In the Commerce faculty emphasis is being given on cost accountancy, but there is no one qualified for teaching the subject and, therefore, the services of a part-time chartered accountant are being availed of.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

MATHEMATICS:- The department has only one teacher holding Ph.D. degree. Another teacher had submitted his thesis for the Ph.D. degree. The department has published so far 8 research papers during the last five years. Two teachers have registered for Ph.D. and one is undergoing training for M.Phil., two teachers have attended all India Summer Institutes. The department offers three electives (functional analysis, probability and statistics and number theory). The departmental library has in stock 423 books chiefly meant for postgraduate students. It requires to be strengthened. It has been subscribing to three research journals only and more journals are to be procured. The department also needs an Electronic Calculator to assist the students in learning Statistics which is one of the electives. The Committee recommends that the following assistance be provided to the department:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 8,400/-
(3) Equipment:	Rs. 8,000/-
Total:	<u>Rs. 36,400/-</u>

ECONOMICS & COMMERCE:

There is no research degree holder in any of these departments. Teachers in the department of Commerce have not published any research papers and they do not even have any specific plan for research. The department of Economics has one M.Litt. and two other teachers have done postgraduate diploma course in Economics. Three members are reported to have registered for their Ph.D. degree. Two other members have shown interest in research. Although, these two teachers do not have any publications to their credit in reputed journals, they are actively engaged in collecting material for writing papers. The Committee does not recommend assistance to these departments for the purchase of calculators as they do not have any programme of research in view. Moreover, they do not need these equipment in teaching Economics and Commerce. The Committee, therefore, recommends that for the present the following assistance be provided to these departments;

	<u>Books and Journals</u>	<u>F.I.P.</u>	<u>Total</u>
1. Economics	Rs. 20,000/-	Rs. 10,000/-	Rs. 30,000/-
2. Commerce	Rs. 20,000/-	Rs. 10,000/-	Rs. 30,000/-
		<u>Rs. 10,000/-</u>	<u>Rs. 60,000/-</u>
	Total:	<u>                    </u>	<u>                    </u>

XII. SIET WOMEN'S COLLEGE:

The college was established in 1955 and is permanently affiliated to the University. It has been offering postgraduate courses in Home Science (i) Textile and Clothing and (ii) Child Development, English and Psychology. There are 24 students in M.Sc. Home Science (Textile and Clothing), 16 students in M.Sc. Home Science (Child Development), 15 students in M.A. (English) and 12 students in M.A. (Psychology). The two M.Sc. courses in Home Science were started in 1961-62 and 1973-74 while the M.A. courses in English and Psychology have been started only from this year. It has two women's hostels swimming pool and a mosque on the campus. There are 115 teachers in the college. 521 students are living in two hostels. None of the teachers possesses a Ph.D. degree. Only one teacher (Psychology) holds an M.Litt. degree. The examination results have been consistently good and the college appears to be in a sound financial position.

GENERAL OBSERVATIONS:

The college has a beautiful campus and the buildings are new and well-maintained but the postgraduate departments in English and Psychology are cramped for space. There also appears to be an acute shortage of furniture. The staff is not qualified in so far as research qualifications are concerned. It has a well organised library which is under the charge of a qualified librarian. Some portion of the building has been given on rent for supplementing the



CHEMISTRY:- The department has a strong school of research , developed by the head of the department who is also the Principal of the college. He has produced so far 15 Ph.Ds. Two other candidates have submitted their theses under him. 9 teachers possess research degree of whom 4 are recognised for guiding research at the Ph.D. level. The department has so far published 110 research papers.

There are 2000 books in the departmental library which are meant for postgraduate students. The department has been subscribing to 18 journals. The library needs to be strengthened. The research laboratory also needs to be strengthened since the M.Sc. students are required to take research type projects in the fourth semester. The department also needs a window air-conditioner for its instrumentation room where big electronics equipment are kept. They also need to add a glass blowing unit to the existing workshop. For these items they will require Rs.16,000/- which may be provided under 'miscellaneous' head. The department needs a gas chromatograph and a recorder for spectro-photometer. The Committee recommends that the following assistance may be provided to the department:

(1) Books and Journals:	Rs. 40,000/-
(2) Equipment:	Rs. 95,000/-
(3) Miscellaneous:	Rs. 16,000/-
Total:	<u>Rs. 51,000/-</u>

ECONOMICS:- The department has an impressive collection of books and journals and other periodicals. It has been fortunate in having received the donation of books, periodicals and reports belonging to late Shri T.T. Krishnamachari, Shri M.A. Manickavelu and Dr. P.S. Lokanathan totalling nearing 10,000 in number. It has been recognised by the University for conducting research leading to M.Litt. and Ph.D. degrees. Six candidates are registered under the head of the department for their Ph.D. degree. The department has been recognised by the UGC under COHSIP. There is only one teacher holding a Ph.D. degree. Two teachers are registered for Ph.D. degree and one for M.Litt. The head of the department is a dynamic personality and has the capacity to organise research. A number of projects has been undertaken under the auspices of the Planning Forum. The department has produced a number of valuable publications. The head of the department is associated with IIT, Madras as a visiting professor and with a number of other universities of South India for delivering lectures. He has published so far 15 research papers. The course content has been made more meaningful by making Mathematical Economics compulsory. Labour Economics is the only optional group that is being offered. Managerial Economics is proposed to be offered from the next academic session. The head of the department proposes to undertake the following projects:

- (a) Institutional Financing of Small Scale Industries;
- (b) Agricultural Pricing and Production ; and
- (c) Energy Planning in Tamilnadu.

In view of the commendable work done by the department and the proposed research work to be undertaken in future the Committee recommends that the following assistance may be provided to it:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 10,000/-
(3) Equipment-(to be shared both by Economics and Philosophy department)- typewriter, duplicator and one electronic desk calculator.	Rs. 15,000/-
(4) Junior Research Fellowship:	Rs. 28,000/-
Total:	Rs. 73,000/-

PHILOSOPHY:- There is only one teacher who possesses a Ph.D. degree; four other teachers are engaged in research leading to Ph.D. degree. The head of the department has been recognised by the University for guiding research. Seven teachers candidates are working under him for Ph.D. The teaching is organised on an intensive scale by preparing and circulating cyclostyld matter to the students in advance. Almost all teachers are engaged in preparing books on "the Philosophy of the Tamil Sidhars" with the assistance of the U.G.C., Political and Social Philosophy of Rajaji, Humanism of Hume and many others. The research output of the department is not adequate, but the teachers are conscious of this deficiency and they are making genuine efforts to make it up. The following assistance may be provided to the department:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 10,000/-
Total:	Rs. 30,000/-

N.B. The equipment which has been recommended for the department of Economics is to be shared by the department of Philosophy also.

SANSKRIT:- The department is quite small with only four teachers. One teacher possesses a research degree. At present no research work is being done. There are only six students in M.A. classes. For the present the department may be provided with the following assistance:-

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 10,000/-
Total:	Rs. 30,000/-

XI. A.M. JAIN COLLEGE:

The college was established in 1952 and is permanently affiliated to the University. It has been offering postgraduate courses in Commerce, Mathematics and Economics. There are 35 students in M.Com., 31 in M.Sc. (Mathematics), and 30 in M.A. (Economics). The college has a very big campus. A number of new buildings was coming up when the Committee visited the college. Except two teachers (one in the department of Mathematics who is an assistant professor and who holds a Ph.D. degree and the other in Economics who is the head of the department and holds an M.Litt. degree) none else possesses research qualifications. The examination results have been consistently good and the college appears to be in a sound financial position.

GENERAL OBSERVATIONS:

The campus of the college is good and the buildings are well maintained but the postgraduate departments are cramped for space. There also appears to be acute shortage of furniture. The staff is not qualified in so far as research degrees are concerned. In the department of Economics the teachers have shown some evidence of having done research work (one of the teachers has been doing good work and has published some good monographs in Monetary Economics and the other teacher has done work and brought out publications in Macro-Economics/Development Economics, but as a general rule the teachers have not evinced any interest in research. Some other teachers have, no doubt, published some pamphlets and books but these have not been updated.

The library needs to be strengthened. In the Commerce faculty emphasis is being given on cost accountancy, but there is no one qualified for teaching the subject and, therefore, the services of a part-time chartered accountant are being availed of.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

MATHEMATICS:- The department has only one teacher holding Ph.D. degree. Another teacher had submitted his thesis for the Ph.D. degree. The department has published so far 8 research papers during the last five years. Two teachers have registered for Ph.D. and one is undergoing training for M.Phil., two teachers have attended all India Summer Institutes. The department offers three electives (functional analysis, probability and statistics and number theory). The departmental library has in stock 423 books chiefly meant for postgraduate students. It requires to be strengthened. It has been subscribing to three research journals only and more journals are to be procured. The department also needs an Electronic Calculator to assist the students in learning Statistics which is one of the electives. The Committee recommends that the following assistance be provided to the department:

(1) Books and Journals:	Rs. 20,000/-
(2) Faculty Improvement:	Rs. 8,400/-
(3) Equipment:	Rs. 8,000/-
Total:	<u>Rs. 36,400/-</u>

ECONOMICS & COMMERCE:

There is no research degree holder in any of these departments. Teachers in the department of Commerce have not published any research papers and they do not even have any specific plan for research. The department of Economics has one M.Litt. and two other teachers have done postgraduate diploma course in Economics. Three members are reported to have registered for their Ph.D. degree. Two other members have shown interest in research. Although, these two teachers do not have any publications to their credit in reputed journals, they are actively engaged in collecting material for writing papers. The Committee does not recommend assistance to these departments for the purchase of calculators as they do not have any programme of research in view. Moreover, they do not need these equipment in teaching Economics and Commerce. The Committee, therefore, recommends that for the present the following assistance be provided to these departments;

	<u>Books and Journals</u>	<u>F.I.P.</u>	<u>Total</u>
1. Economics	Rs. 20,000/-	Rs. 10,000/-	Rs. 30,000/-
2. Commerce	Rs. 20,000/-	Rs. 10,000/-	Rs. 30,000/-
		<u>Rs. 10,000/-</u>	<u>Rs. 60,000/-</u>
	Total:	<u>                    </u>	<u>                    </u>

XII. SIET WOMEN'S COLLEGE:

The college was established in 1955 and is permanently affiliated to the University. It has been offering postgraduate courses in Home Science (i) Textile and Clothing and (ii) Child Development, English and Psychology. There are 24 students in M.Sc. Home Science (Textile and Clothing), 16 students in M.Sc. Home Science (Child Development), 15 students in M.A. (English) and 12 students in M.A. (Psychology). The two M.Sc. courses in Home Science were started in 1961-62 and 1973-74 while the M.A. courses in English and Psychology have been started only from this year. It has two women's hostels swimming pool and a mosque on the campus. There are 115 teachers in the college. 521 students are living in two hostels. None of the teachers possess a Ph.D. degree. Only one teacher (Psychology) holds an M.Litt. degree. The examination results have been consistently good and the college appears to be in a sound financial position.

GENERAL OBSERVATIONS:

The college has a beautiful campus and the buildings are new and well-maintained but the postgraduate departments in English and Psychology are cramped for space. There also appears to be an acute shortage of furniture. The staff is not qualified in so far as research qualifications are concerned. It has a well organised library which is under the charge of a qualified librarian. Some portion of the building has been given on rent for supplementing the

income of the college. The Textile and Clothing and Child Development sections of the Home Science department are very well developed and have spacious laboratories. But the Textile Printing section is in urgent need of additional space. The President of the college management who is a retired justice of Madras High Court informed the Committee that he is striving to develop the college into a University for Women. Hostels are very well supervised and strict vigilance is kept on the movements of the inmates.

RECOMMENDATIONS ABOUT INDIVIDUAL DEPARTMENTS:

Since the departments of Psychology and English have been started only from the academic session 1976-77, these are not eligible for Commission's assistance, at the present stage. The recommendations of the Committee, therefore, relate to the departments of Home Science which are given below:

HOME SCIENCE:

There are 17 teachers in the department, none of whom holds a Ph.D. degree. One teacher is qualified from Canada. Two teachers are actively engaged in doing research leading to the Ph.D. degree. Out of 17 teachers, 6(excluding demonstrators) are connected with postgraduate teaching. The college has adopted the semester system from 1976-77 and the syllabi have been accordingly revised. Textile and Clothing laboratory covers an area of about 600 sq.ft. while the laboratory of the Child Development section has an area of 1,125/sq.ft

The library facilities need to be strengthened. The college has been spending on an average about Rs.7,00/-per year on Books and Journals for Textile and Clothing and Rs.4,000/-per year for Child Development during the last 3 years (Rs.11,000/- having been spent only during 1974-75). It would thus be seen that the expenditure incurred on the purchase of books and journals has not been satisfactory. Similarly the expenditure incurred on the purchase of laboratory equipment during the period from 1972-73 to 1974-75 has been roughly Rs.7,000/-per year (Rs.16,500/-having been spent in 1974-75 only). The department, therefore, needs to be strengthened in respect of library and laboratory facilities and teachers' qualifications have to be improved. The committee recommends that the following assistance be provided to the department:

1. Books and Journals:	Rs. 20,000/-
2. Equipment:	Rs. 20,000/-
3. Faculty Improvement:	Rs. 40,000/-
Total:	<u>Rs. 80,000/-</u>

The college has a proposal for extension of present laboratory

The college has a proposal for extension of present laboratory facilities at a cost of Rs.1,92,032/-. Since the department does not fulfil the norms prescribed by the Commission, in so far as the teachers qualifications are concerned and also because the present laboratory space for the existing students is satisfactory, the committee does not recommend any assistance for the purpose.

The Committee is grateful to the university and the principals and teachers of various colleges which were visited for the cooperation and help they extended to it in completing their work.

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ANNEXURE - I

PROGRAMME OF VISITS TO COLLEGES LOCATED IN MADRAS CITY

<u>S.N.</u>	<u>Date of Visit</u>	<u>Name of the College</u>
1.	10th December, 1976	Madras Christian College
2.	11th December, 1976	Pachaiyappa's College for Men.
3.	13th December, 1976	(i) Government Arts College for Women. (ii) Ethiraj Women College.
4.	14th December, 1976	Presidency College.
5.	15th December, 1976	(i) Stella Maris College. (ii) Queen Mary's College. (iii) Loyala College
6.	16th December, 1976	(i) The New College. (ii) Vivekananda College.
7.	17th December, 1976	(i) Agurchand Mammul Jain College. (ii) South Indian Educational Trust Women's College.

## DETAILED FINANCIAL IMPLICATIONS IS GIVEN BELOW:

Sr.No.	Name of the College	Departments	Building	Books & Journals	Equipment	F.I.P.	Misc.	Total
1	2	3	4	5	6	7	8	9
			Rs	Rs	Rs	Rs	Rs	Rs
1.	Madras Christian College Madras.	(i) English	-	Rs.20,000/-	-	Rs.10,000/-	-	Rs.30,000/-
		(ii) Economics	-	Rs.20,000/-	-	Rs.10,000/-	-	Rs.30,000/-
		(iii) History	-	Rs.20,000/-	-	Rs.10,000/-	-	Rs.30,000/-
		(iv) Pol.&Public. Administration	-	Rs.20,000/-	-	Rs.10,000/-	Rs.8,000/-	Rs.38,000/-
		(v) Philosophy	-	Rs.20,000/-	-	Rs.10,000/-	-	Rs.30,000/-
		(vi) Mathematics & Statistics	-	Rs.20,000/-	35,000/-	Rs.17,000/-	-	Rs.72,000/-
		(vii) Physics	-	Rs.20,000/-	80,000/-	Rs.33,000/-	-	1,33,000/-
		(viii) Chemistry	-	Rs.40,000/-	80,000/-	Rs.17,000/-	Rs.16,000/-	1,53,000/-
		(ix) Botany	-	Rs.30,000/-	30,000/-	Rs.15,000/-	Rs.49,000/-	1,24,000/-
		(x) Zoology	-	Rs.20,000/-	70,000/-	Rs.20,000/-	Rs.40,000/-	1,50,000/-
		Total:		Rs. 2,30,000/-	2,95,000/-	Rs.1,52,000/-	Rs.1,13,000/-	Rs.7,90,000/-
2.	Pachiappas' College, Madras.	(i) Economics	-	Rs.20,000/-	-	10,000/-	-	30,000/-
		(ii) Commerce	-	Rs.20,000/-	-	10,000/-	-	30,000/-
		(iii) Philosophy	25,000/-	Rs.20,000/-	-	10,000/-	-	55,000/-
		(iv) English	-	Rs.30,000/-	-	10,000/-	-	30,000/-
		(v) Tamil	25,000/-	Rs.20,000/-	-	15,000/-	-	60,000/-
		(vi) History	-	Rs.20,000/-	8,000/-	18,000/-	-	46,000/-
		(vii) Maths.	-	Rs.20,000/-	-	10,000/-	-	30,000/-
		(viii) Chemistry	-	Rs.40,000/-	80,000/-	-	16,000/-	1,36,000/-
		(ix) Botany	-	Rs.30,000/-	40,000/-	25,000/-	12,000/-	1,07,000/-
		(x) Zoology	-	Rs.20,000/-	60,000/-	-	70,000/-	1,50,000/-
		Total:	50,000/-	Rs.2,30,000/-	1,88,000/-	1,08,000/-	98,000/-	6,74,000/-



Sr.No.	Name of the College	Departments	Building	Books & Journals	Equipment	FIP	Misc.	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
3.	Govt. Arts College for Women, Madras.	i) English	-	20,000/-	-	10,000/-	-	30,000/-
								<u>30,000/-</u>
4.	Ethiraj College for Women, Madras.	i) English	-	30,000/-	-	30,000/-	-	60,000/-
		ii) Economics	25,000/-	30,000/-	-	30,000/-	-	85,000/-
								<u>1,45,000/-</u>
5.	Presidency College Madras.	i) History	-	30,000/-	-	30,000/-	-	60,000/-
		ii) Economics	-	40,000/-	-	20,000/-	-	60,000/-
		iii) Politics & Public Admn.	-	30,000/-	-	30,000/-	-	60,000/-
		iv) Psychology	-	30,000/-	-	30,000/-	-	60,000/-
		v) English	-	30,000/-	-	30,000/-	-	60,000/-
		vi) Tamil	-	20,000/-	-	30,000/-	-	50,000/-
		vii) Telugu	-	30,000/-	-	30,000/-	-	60,000/-
		viii) Sanskrit	-	20,000/-	-	20,000/-	-	40,000/-
		ix) Maths.	-	30,000/-	-	-	-	30,000/-
		x) Statistics	-	15,000/-	15,000/-	10,000/-	7,500/-	47,500/-
		xi) Physics	-	40,000/-	60,000/-	20,000/-	16,000/-	1,36,000/-
		xii) Chemistry	-	40,000/-	1,00,000/-	-	16,000/-	1,56,000/-
		xiii) Botany	-	30,000/-	30,000/-	25,000/-	35,000/-	1,20,000/-
		xiv) Zoology	-	30,000/-	60,000/-	-	50,000/-	1,40,000/-
		xv) Geology	-	40,000/-	40,000/-	-	12,000/-	92,000/-
		xvi) Geography	-	20,000/-	20,000/-	22,000/-	8,000/-	70,000/-
				<u>Rs. 4,75,000/-</u>	<u>3,25,000/-</u>	<u>2,97,000/-</u>	<u>1,44,500/-</u>	<u>12,41,500/-</u>

\* Including Rs. 10,000/- for Herbarium keeper for 1977-79.

Sr.No.	Name of the College	Department	Building Rs	Books & Journals Rs	Equipment Rs	FIP Rs	Misc. Rs	Total Rs
6.	Stella Maris College Madras	(i) Mathematics	-	40,000/-	-	20,000/-	-	60,000/-
		(ii) English	-	30,000/-	-	20,000/-	-	50,000/-
		(iii) Economics	-	30,000/-	-	20,000/-	-	50,000/-
		(iv) Social Work	-	20,000/-	-	20,000/-	20,000/-	60,000/-
		(v) Fine Arts	-	20,000/-	-	10,000/-	55,000/-	85,000/-
				<u>1,40,000/-</u>		<u>90,000/-</u>	<u>75,000/-</u>	<u>3,05,000/-</u>
7.	Queen Mary's College, Madras.	i) History	-	30,000/-	-	20,000/-	-	50,000/-
		ii) Tamil	-	20,000/-	-	20,000/-	-	40,000/-
		iii) Geography	-	30,000/-	29,000/-	15,000/-	5,000/-	79,000/-
		iv) Home Science	37,500/-	30,000/-	30,500/-	20,000/-	14,000/-	1,32,000/-
			<u>37,500/-</u>	<u>1,10,000/-</u>	<u>59,500/-</u>	<u>75,000/-</u>	<u>19,000/-</u>	<u>3,01,000/-</u>
8.	Loyala College Madras.	i) Mathematics	-	30,000/-	-	20,000/-	-	50,000/-
		ii) Chemistry	-	30,000/-	40,000/-	20,000/-	5,000/-	95,000/-
		iii) Social Work	-	30,000/-	-	20,000/-	-	50,000/-
		iv) Economics	-	30,000/-	-	20,000/-	-	50,000/-
				<u>1,20,000/-</u>	<u>40,000/-</u>	<u>80,000/-</u>	<u>5,000/-</u>	<u>2,45,000/-</u>
9.	New College Madras.	i) Humanities & Social Scs.	-	1,10,000/-	-	70,000/-	-	1,80,000/-
		ii) Zoology	-	20,000/-	30,000/-	27,000/-	-	77,000/-
		iii) Chemistry	30,000/-	40,000/-	50,000/-	17,000/-	16,000/-	1,53,000/-
			<u>30,000/-</u>	<u>1,70,000/-</u>	<u>80,000/-</u>	<u>1,14,000/-</u>	<u>16,000/-</u>	<u>4,10,000/-</u>

Sr.No.	Name of the College	Department	Building	Books & Journals	Equipment	FIP	Misc.	Total
(1)	(2)	(3)	Rs. (4)	Rs. (5)	Rs. (6)	Rs. (7)	Rs. (8)	Rs. (9)
10.	Vivakananda College, Madras	i) Mathematics	-	20,000/-	10,000/-	12,000/-	-	42,000/-
		ii) Chemistry	-	40,000/-	95,000/-	-	16,000/-	1,51,000/-
		iii) Economics	-	20,000/-	15,000/-	10,000/-	28,000/-	73,000/-
		iv) Philosophy	-	20,000/-	-	10,000/-	-	30,000/-
		v) Sanskrit	-	20,000/-	-	10,000/-	-	30,000/-
				-	1,20,000/-	1,20,000/-	42,000/-	44,000/-
11.	A.M.Jain College, Madras	i) Mathematics	-	20,000/-	8,000/-	8,400/-	-	36,400/-
		ii) Economics & Commerce	-	40,000/-	-	20,000/-	-	60,000/-
			-	60,000/-	8,000/-	28,400/-	-	96,400/-
12.	S.I.E.T. Women's College, Madras.	i) Home Science	-	20,000/-	20,000/-	40,000/-	-	80,000/-

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(18)

Meeting:

Dated : October 17, 1977

Item No.20 : To consider the report of the Visiting Committee appointed to examine the supplementary proposals of Madras University for instituting M.A. course in Defence Studies and in Criminology.

The Commission at its meeting held on 3rd and 4th June, 1976 while considering the proposals of the Madras University for financial assistance towards setting up a department of Criminology desired that the university may be requested to send, for consideration of the Commission, a comprehensive plan relating to the supplementary proposals which it wishes to take up within the fifth plan, the Madras University sent supplementary proposals involving an expenditure of Rs. 85.25 lakhs which were considered by the Commission at its meeting held on 20th December, 1976 (item No. 13)). The Commission desired that the supplementary proposals of the university may be examined with the help of a committee.

Subsequently, as a consequence of the discussions by the Vice-Chancellor, Madras University with the Chairman and the Vice-Chairman, University Grants Commission, it was decided that a committee may be constituted to examine only the proposals of the university relating to the setting up of a department of Criminology and the institution of an M.A. course in Defence Studies. Accordingly the following committee was constituted:

- 1 Lt. Gen. K.P. Candeth  
Director General  
Youth Services  
Government of India
- 2 Prof. T.K.N. Unnithan  
Department of Sociology  
Rajasthan University  
Jaipur

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- 3 Col. R. Rama Rao  
Economic and Scientific Research Foundation  
Sapru House  
New Delhi.
- 4 Dr. D.P. Jatar  
Department of Criminology and  
Forensic Science  
Saugar University  
Sagar
- 5 Shri S.N. Diaz  
Director  
National Policy Academy  
Hyderabad
- 6 Dr. T.N. Hajela (Secretary to the Committee)  
Deputy Secretary  
U.G.C.  
New Delhi.

The Committee visited the University of Madras on 16th and 17th June, 1977 and held discussions with the Vice-Chancellor and members of the Board of Studies of both subjects namely Defence Studies and Criminology. The report of the Committee is attached as Annexure-1.\* Following are the main observations and recommendations of the Committee:

\* pl86-191

- 1 According to the Committee the present syllabus for both the courses needs to be modified and the Committee has made specific suggestions for the purpose;
- 2 Both the courses have to be necessarily inter-disciplinary and therefore have to be run with the cooperation and participation of other departments ;
- 3 For the department of Defence Studies, the Committee has made the following suggestions:-
  - i) The department must subscribe to current technical periodicals pertaining to Defence Strategy, Weapon Developments and Technology, if it has to function efficiently.
  - ii) Important additional activity of the department ought to be the production of a journal of its own.

- 4 For the department of Criminology the Committee has made the following specific suggestions:-
- i) The course may be recognised by user agencies so that the end-products may not have any difficulty in getting jobs.
  - ii) The department should also take over from the Government the diploma course which is at present being run by the Madras Medical College.
  - iii) The department should work with the objective of conducting individual, as well as, group research and also guiding students ultimately for research leading to M.Phil./ Ph.D. degree.
  - iv) The ordinances regarding grades should be uniform for M.A. courses since in Criminology the qualifying percentage of marks is 50 while for other subjects it is 45.

5 The following are the financial provisions recommended for the two departments by the Committee:

	<u>Department of Defence Studies</u>	<u>Department of Criminology</u>
1	Books and Journals 60,000/-	50,000/-
2	Equipment 20,000/-	15,000/-
3	Building 20,000/-	-
4	Visiting/Guest Lecturers. -	20,000/-
	Total Rs... 1,00,000/-	85,000/-

Teaching Staff:

1P 2L	(1977-78)	1P* 2L
1R	(1978-79)	1L

\*If suitably qualified person is not available then the department may be started with a reader head.

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In this connection, it may be mentioned that the Commission, on the recommendations of the fifth plan visiting committee has already approved the schemes amounting to Rs. 131.37 lakhs in the first phase, against the initial allocation of Rs. 2 crores. To bring this amount to the 2/3rd of the allocation (as has been generally done in the case of all other universities) there is still a provision of about Rs. 2 lakhs. Again, V plan committee recommendation for the second and third priority proposals of Madras University total up to Rs. 58.40 lakhs only. So, actually in all the university has been allocated for first, second and third priority proposals Rs. 1,89,77,000/- (since Rs. 11 lakhs allocated for fellowships have been taken out of the plan allocation.

The matter is placed before the Commission for consideration.

DS(D.I)

REPORT OF THE UGC COMMITTEE ON THE PROPOSALS  
OF MADRAS UNIVERSITY FOR INSTITUTING M.A.  
COURSE IN DEFENCE STUDIES AND IN CRIMINOLOGY

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The UGC appointed a Committee to examine the supplementary proposals of the University of Madras for instituting an M.A. course in Defence Studies and in Criminology. The Committee consisted of the following:-

1. Lt. Gen. K.P. Candeth,  
Director General,  
Youth Services,  
Govt. of India.
2. Prof. T.K.N. Unnithan,  
Department of Sociology,  
Rajasthan University,  
Jaipur.
3. Col. R. Rama Rao,  
Economic and Scientific Research Foundation,  
Sapru House,  
New Delhi.
4. Dr. D.P. Jatar,  
Department of Criminology and Forensic Science,  
Saugor University.
5. Shri S.N. Diaz  
Director  
National Police Academy  
Hyderabad.
6. Dr. T. N. Hajela (Secretary to the Committee)  
Deputy Secretary  
UGC, New Delhi.

The Committee visited the University of Madras on 16th and 17th June, 1977 and held discussions with the Vice-Chancellor and members of the board of studies of both subjects viz. Defence Studies and Criminology. The Committee divided itself into two teams, one comprising Lt. Gen. K.P. Candeth and Col. R. Rama Rao for examining the proposal for the introduction of M.A. Course in Defence Studies and the other comprising Prof. D.P. Jatar, Prof. T.K.N. Unnithan and Shri S.N. Diaz, for the M.A. Course in Criminology. The report of the Committee follows:



M.A. COURSE IN DEFENCE STUDIES:(i) Background of the proposal:

Defence Studies as a discipline had been neglected by the academic community until recently, chiefly because the defence of the country was an Imperial responsibility. With the achievement of freedom, people and the Government started appreciating the significance of this discipline and the universities and other institutions in the country have started offering facilities for instruction of at least some aspects of national security. Military R & D activities centre have an impact not only on defence and national security in the long run but on the national economy in the long as well as in the short-run, be it economic and industrial progress of the country, or development of material and human resources, or social, political and legal institutions, or educational and cultural attainment of the people. Hence Defence Studies in its nature is inter-disciplinary and other academic disciplines have valuable contributions to make. The Committee, therefore, is convinced that the study of the subject is of fundamental importance and that it should be studied in depth, preferably as a compulsory subject at the undergraduate level. The Committee, therefore, recommends that the university may be allowed to institute M.A. course in Defence Studies.

The University of Madras had been considering the question of setting up a department of 'military' science for at least a decade but nothing substantial was achieved since the subject was too narrow in scope. After extensive discussions with academicians, educational administrators and others, the subject for study has been redefined as 'Defence Studies' and a department has now been set up to impart appropriate instructions in the subject.

The syllabus as framed by the University broadly reflects the considerations spelt out above. The Committee would, however, like to suggest a few modifications in the syllabus: viz., (i) Paper I (compulsory)-Warfare and Development of Strategic Thought in India, and Paper II (Compulsory)-War and Development of Strategic Thought in the World may be combined into one paper, namely, War and Development of Strategic Thought without reducing the content of the course. This suggestion is made because the nature of the subject is such that a considerable part of it can be studied by students themselves with faculty members providing only the necessary guidance; (ii) Paper VI viz. Geo-Politics and Military Geography which is now an optional subject may be made compulsory; (iv) paper x viz. Impact of Science and Technology and Modern Warfare which is an optional paper may be made compulsory; (v) in view of the increasing recognition of the role of 'Peace Studies' in the world of today, this subject may be introduced to students under "War in International Relations." It may later be introduced as an optional paper, as the department develops and as staff members acquire specialisation in the subject. This is a very wide

subject and covers disarmament (nuclear and conventional), impact of ecological and geophysical warfare, conflict resolution as well as the promotion of efforts for maintaining and strengthening peace.

In order to cater to a class of approximately 15 to 25 students in M.A. 1st year and the same number in 2nd year, the minimum staff required would be : Professor-1, Reader-1 and Lecturers-2, besides visiting/part-time lecturers. The requirements for the whole-time members have been worked-out on the basis of 18 to 20 hours work load per teacher per week. However, as only first year is to be started in the current year, one professor and two lecturers would be adequate for the present. The post of reader may be filled up in 1978-79. This seems to be the minimum requirement in respect of staff assuming that members of other departments viz. History, Pol.Sc., Law, Geography, Physical Sciences and Engineering would be available for giving special lectures. The Committee was happy to note that Madras University is in a fortunate position in the sense that it has in the vicinity a number of central and state establishments, whose staff member could be requested to participate in the programme. When this programme gets going and if the external help is not forthcoming, the staff of the department may have to be augmented further. It may, however, be noted that the location of the department will have to be central so that the facilities available in other departments are easily available to it.

The University library would be available for meeting the requirements of students in basic subjects. Even so, the department would need a small library of its own to meet its special needs. These would include specialist periodicals dealing with current military developments and reference books, defence equipments, special maps etc. Recurring expenditure on purchase of current journals and for the necessary staff for the departmental library will have to be met by the University from its own sources. The Committee, however, would emphasise that if the department is to function efficiently, current technical periodicals pertaining to defence strategy, weapon developments and technology are a must and shall have to be subscribed by the department.

An important additional activity of the department ought to be the production of a journal of its own. This will provide a forum for the staff and postgraduate students for expressing their views on defence subjects and stimulate thought. Other distinguished scholars and public men could also contribute to it. An additional advantage is that the journal can be exchanged with similar journals published elsewhere in the country and even abroad, thus enabling the department to obtain a useful literature at nominal cost.

In view of the above, the Committee recommends that following financial provisions may be approved for the department:

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Books and Journals:	Rs. 60,000/-
Equipment:	Rs. 20,000/-
Building	Rs. 20,000/- (50:50 basis)
Staff:	Professor-1, Lecturers-2, Reader-1 (in 1978-79).

#### M.A. COURSE IN CRIMINOLOGY:

In the context of the prevailing situation in the country, the importance of the study of Criminology can hardly be exaggerated. It is essentially a study of human behaviour dealing with the amount and nature of crime and also penal treatment of offenders and corrective measures adopted for the rehabilitation of criminals. It is essential for the Police, the magistracy and the penitentiary officers to discharge their duties in a more effective manner; and research in Criminology can play a major role in the reduction of crime and rehabilitation of offenders to a law-abiding life in a society. Study of Criminology comprises the study of sociology, psychology and psychiatry as well as of Forensic Science which includes the study of Sciences such as Chemistry, Biology and Physics in the investigation of crime and forensic medicine is the sum of knowledge required in the administration of justice concerning human body and toxicology. It is intimately related to human security, welfare and happiness. Hence it is inter-disciplinary in nature and it can be studied not only as a pure science but also as an applied science. Various government establishments like the departments of Police and Jails, various departments of the University in Physical and Biological Sciences and Social Sciences etc. can participate in the teaching and research programmes in the field of Criminology. The Committee, therefore, recommends that an M.A. Course in Criminology be started by the University.

The question of introducing Criminology as a subject of study in the universities in India came up in the conference of the I.Gs of Police in 1959. After nearly 18 years today only 9 or 10 universities in the country including the Tata Institute of Social Sciences are conducting courses in Criminology which is in no way adequate for a country like India. In Tamil Nadu the beginning was made by introducing a part time one year diploma course in Criminology and Forensic Science in the Madras Medical College in 1960. This course is being conducted in collaboration with the department of psychology, Madras University, the Forensic Science Laboratory and the police department.

The idea of introducing a postgraduate course in Criminology and Forensic Science in the University of Madras, was first mooted by a former I.G. Police, Madras on whose initiative the University instituted an M.A. Course in Criminology and Forensic Science in Madras Medical College in 1965. The staff of the Medical College, Psychology Department of the Madras University, Forensic Science Laboratory and the Department of Police were participating in the programme. A retired judicial officer was also associated with it.

The course was later suspended by the Government of Tamil Nadu presumably because they thought that it had no employment potential. The same year, however, it was restarted on public demand with modification as M.A.(Criminology) in the University Department of Psychology.

The Unesco had also identified Criminology as an academic discipline.

The syllabus as framed by the University broadly embraces all the relevant aspects of the study of Criminology. The Committee, however, feels that it needs, in certain respects, major modifications. The following suggestions are offered in this regard:

- (i) Study of Criminal Sociology, Social Legislation and research methodology should be introduced.
- (ii) Approach to the study of law may be re-oriented keeping in view the concept of rule of law. The procedural law in England may be dropped.
- (iii) Crime prevention and correctional administration should receive greater emphasis.
- (iv) Paper on Criminology should be updated.
- (v) Field work/project work may be made compulsory.
- (vi) While recasting the syllabus the University may consider feasibility of introducing one or two special papers. The committee would also like to make some broad suggestions which are essential for the successful running of the course. These suggestions are given below:

1. Since the M.A. Course in Criminology has to be essentially an inter-disciplinary study the participation of various State Government establishments and University departments should be fruitfully availed of. University departments like Psychology, Sociology, Chemistry, Physics, Law etc. can make important contributions and this course can be easily run on an inter departmental basis. Assuming that adequate assistance would be available in terms of staff from these departments and State Government establishments the Committee has suggested only a skelton permanent staff for manning the department.

2. The University should impress upon the State Government and other agencies to recognise this course so that the end-products may not have any difficulty in getting jobs.

3. The proposed department of Criminology should also take over from the Govt. the diploma course which is at present being run by the Madras Medical College.

4. The department should work with the objective of conducting individual, as well as, group research and also guiding students ultimately for research leading to M.Phil./Ph.D. degree.

5. Staff like laboratory attendant, peons etc. are essential and may be provided by the State Govt.

6. The ordinances regarding grades should be uniform for all M.A. courses since in Criminology the qualifying percentage of marks is 50 while for other subjects it is 45. This requires immediate rectification.

Keeping in view the above and on the basis of the discussions held with the members of the Board of Studies in Criminology and the Vice-Chancellor, the Committee recommends that the following assistance be provided for setting up a department in Criminology and for instituting a M.A. course in Criminology:

- 1. Books and Journals Rs. 50,000/-
  - 2. Equipment(including field work with attachment to some Law enforcing agency) Rs. 15,000/-
  - 3. Visiting/guest lectures Rs. 20,000/-
- |             |              |
|-------------|--------------|
| Total(N.R.) | Rs. 85,000/- |
|-------------|--------------|

- 4. Teaching Staff: (Professor-1, with specialisation in Criminology/Sociology of Deviance;  
Lecturers-2(in any of the Social Science subjects namely Sociology, Psychology, Criminology, with desirable knowledge in law, research methodology, social work and correctional administration).

Total (N.R.)-Rs. 85,000/-  
(R ) - P-1, L-2.

N.B. If suitably qualified person for the post of professor is not available then the department may be started with a reader head.

The Committee records its sincere thanks to the Vice-Chancellor, teachers and other members of the University for extending all cooperation and help in the work of the Committee.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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1977

Meeting:

Dated : 17th October, 1977.

Item No.21: To consider the report of the Committee appointed by the University Grants Commission to review the working of the Examination Reform Unit at the Mysore University.

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The University Grants Commission appointed a committee, consisting of the following members, to review the working of the examination reform unit of the Mysore University and to recommend measures for strengthening the unit during the current plan period.

1. Professor M.R. Bhiday  
Professor of Physics  
Poona University,  
Poona.
2. Professor Samir K. Banarji  
Professor of Chemistry  
Birla Institute of Technology and Science,  
Pilani.
3. Dr. S.C. Goel  
Deputy Secretary,  
U.G.C.,  
New Delhi.

The Committee visited the Mysore University on 8th and 9th August, 1977 and had discussion with Shri D.V. Urs, Vice-Chancellor of the Mysore University, Shri Prakash, Registrar and Shri S.V. Raghupathy, Co-ordinator in the examination Reform unit. The Committee also met heads of the University departments and principals of some of the local affiliated colleges and discussed with them the problems and perspective of various aspects of examination reforms in the university. The observations and recommendations in the report of the Committee (Annexure \*) are summarized below :-

- (a) The Examination Reform Cell was set up by the University in December, 1974. The University constituted an examination reform committee under the chairmanship of the Vice-Chancellor and members of the committee of the Academic Council

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and Registrar, with the Controller of Examinations as Convenor.

- (b) At the postgraduate level, the university has introduced the semester system in the faculties of Arts, Science, Commerce Law and Education except in regard to the courses offered by the Institute of Correspondence and Continuing Education. The semester system has also been introduced at the undergraduate level in all courses except medicine, evening colleges and the Institute of Correspondence and Continuing Education.
- (c) At the postgraduate level, the weightage for internal assessment is 40 percent based on two testes and one assignment. There are departmental committee to look into the grievances of students in regard to internal assessment. There is also a provision to enable students to improve their performance. The answer scripts are also returned to the students after the declaration of results.
- (d) At the undergraduate level, the provision for sessional assessment is 25 per cent assessed through two tests and one assignment in the case of subjects without practicals. In subjects with practicals, 40 per cent of the marks for practicals are assessed sessionally in addition to 10 per cent for sessional assessment in theory papers.
- (e) The development of question banks at the undergraduate level has been taken up in Physics, Chemistry, Mathematics, Botany, Zoology, Economics, Political Science, History, Sociology, Geography, Psychology, Commerce and English.
- (f) It is difficult to say that the university has fulfilled its role of pace-setter and realised all the objectives underlying examination reforms. The university has been able to involve a fairly large number of teachers from the colleges in its orientation programmes, yet a good deal of work remains to be done specially in regard to the development of question banks and the implementation of the grading system.

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- (g) From the very beginning, the university concentrated its efforts on the introduction of the semester system and the decentralisation of the examination machinery. Decentralisation is to be commended in view of the recommendations in "Examination Reform- A Plan of Action". However, one cannot be too certain about the efficacy of the semester system in the absence of adequate resources in terms of libraries, laboratories and adequate teaching staff. It would have been much better if the university had first introduced the semester system and internal assessment at the postgraduate level and then extended it to the affiliated colleges in the light of experience.
- (h) Although the university has formulated guidelines in respect of internal assessment to be conducted by the colleges, it is not certain whether the value of internal assessment as a feedback is properly emphasised. The purpose of internal assessment can be served only when the teacher use it imaginatively so as to test various skills and objectives which one is not usually able to test in a single written examination.
- (i) The Committee had an opportunity of having a look at some of the question banks developed by the university. It is doubtful if the questions are of an improved type and have been carefully constructed. At any rate, the questions will need careful editing and pre-validation. There is no apparent reason why the university should not have a specific provision regarding the use of question banks instead of the present ambiguity.
- (j) The main problem in the university is in regard to the implementation of the grading system. This has been accepted 'in principle' but no effort has so far been made to orient the university teachers to the objectives of the grading system. The University should organise immediately a workshop on the system of grading so that the doubts in this regard may be set at rest and grading may be introduced at the



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Postgraduate level from the current academic year.

- (k) Subject to the acceptance of the suggestions made by the committee, regarding the semester system, internal assessment, question banks and grading, the committee recommends that assistance of the Commission towards the examination reform unit of the University may be continued on the present basis within the total allocation of Rs. 5 lakhs for the period ending 1978-79.

The Commission may consider the question of approving the continuation of UGC assistance towards the Examination Reform Unit of the Mysore University within the existing allocation of Rs. 5 lakhs for the period ending 1978-79 in the light of the recommendations of the review committee.

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EO(ER)/DS(ER )

\*SLK\*

Report of the Visiting Committee appointed by the University Grants Commission to review the working of the Examination Reform Unit at the Mysore University.

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The University Grants Commission appointed a committee consisting of the following members to review the working of the examination reform unit of the Mysore University and to recommend measures for strengthening the unit during the current plan period.

1. Professor M.R. Bhiday  
Professor of Physics,  
Poona University,  
Poona.
2. Professor Semir K. Banerji,  
Professor of Chemistry  
Birla Institute of Technology and Science  
Pilani.
3. Dr. S.C. Goel  
Deputy Secretary  
UGC, New Delhi.

2. The committee visited the Mysore University on 8th and 9th August 1977 and had discussion with Shri D.V. Urs, Vice-Chancellor of the Mysore University. Shri Parkash, Registrar, Shri S.B. Raghupathy, Co-ordinator in the examination reform unit. The committee also met heads and university departments and principals of some of the local affiliated colleges and discussed with them the problems and perspective of various aspects of examination reforms in the university. Section-I of the report gives background information on the establishment of a examination reform unit in the Mysore and Section-II the observations and recommendations of the committee.

### Section-I

(Establishment of Examination Reform Unit)

The University of Mysore initiated its programme examination reform through internal assessment and the introduction of the semester pattern in a number of courses. The semester system was introduced in M.Sc. (food technology) in 1965, B.E. in 1969, M. R.P. in 1972, B. Pharm in 1973, M.B.A., M.S. M.Sc. (Industrial Chemistry), M.Sc. (Bio-chemistry) and B.P.M. in 1974 and M.Ed, and M.A. Ed. in 1975. The Weightage for

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internal assessment varied from 66.6 per cent in M.Sc. (Food Technology) to 50 per cent in M.R.P. and M.A. to 10 per cent in B.A., B.Sc. M. Music and B.Com. The University also developed question banks for physics and chemistry at the undergraduate level under the college science improvement programme. Grading was introduced in M.Sc. (food technology) the faculties of Engineering and Medicine also tried to bring about the changes in the type of questions and in the total structure and balance of question papers.

The Examination Reform Cell was set up by the university in December, 1974. The University constituted an examination reform committee under the chairmanship of Vice-Chancellor, members of the committee of the Academic Council and Registrar with the Controller of Examinations as Convenor. After the examination reform cells begins to function, the university appointed three working groups respectively on i) decentralisation of administration ii) semester system; internal assessment and question banks iii) Criteria for selection of colleges and postgraduate departments for the introduction of departmental examinations. A joint meeting of the working groups was held on July 7, 1975. The university also organised a seminar on examination reforms on July 24 and 25 in which the 12 universities that were initially selected by the UGC for initiating examination reforms were involved.

The present position of examination reforms in the university is summarised below:-

(a) At the postgraduate level, the university has introduced the semester system in the faculties of Arts, Science, Commerce, Law and Education except in regard the courses offered by the Institute of Correspondence and Continuing Education. The semester system has also been introduced at the undergraduate level in all courses except medicines, evening colleges and the Institute of Correspondence and Continuing Education.

(b) At the postgraduate level, courses units have a weightage of 432 credits, there being 16 credits, the weightage for internal assessment is 40 per cent based on two tests and one assignment, there are departmental committees to look into the grievances of students in regard to internal assessment. There is also a provision for improving performance. The answer scripts are also returned to the students after the declaration of results.

(c) At the undergraduate level there is provision of two Languages and three optional subject. The weightage for different courses is 5 or 6 credits. The total number of credits for B.A. is 154 and for B.Sc. 166. A student must obtain 30 credits in case of subjects without practicals and 42 in subjects in order to measures in any

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subject. The provision for sessional assessment is 25 percent assessed through two tests and one assignment in the case of subjects without practicals. In subjects with practicals, 40 per cent of the marks for practicals are assessed sessionally in addition to 10 per cent for sessional assessment in theory papers.

(d) The development of question banks at the undergraduate level has been taken up in physics, chemistry, mathematics, botany and zoology and a number of other subjects e.g. economics, political science, etc. The question banks have been developed through a number of workshops organised by the university. The questions are still on cards and it is proposed to have the questions printed for circulation among the colleges. The university proposes to have a mix of questions of the essay type, short answer type and objective type questions, specially the multiple choice type questions. Overall choice among questions has been replaced by internal options.

(e) Grading has been accepted in principle but no decision has been taken regarding the date of implementation.

## Section-II

(Observations and Recommendations of the committee).

(a) Although the Mysore University was among the 12 universities initially selected by the UGC for initiating specific measures for examination reforms in the light of the recommendations in 'Examination Reform-A Plan of Action) and it was one of the first few universities where an examination reform unit was set up and the university organised a national seminar for exchange of ideas and sharing of experiences with other universities in the field of examination reforms, it is difficult to say that the university has fulfilled its own and realised the objectives underlined examination reforms. The university has been able to involve a fairly large number of teachers from the colleges in its orientation programmes, yet a good deal of work remains to be done specially in regard to the development of question banks and the implementation of the grading system.

(b) From the very beginning, the university concentrated its efforts on the introduction of the semester system and the decentralisation of the examination machinery. All the examiners/valuers are required to follow the

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scheme of evaluation supplied by the paper setter. Evaluation is done under the supervision of the principal and the Deputy Chief Superintendent scrutiniser appointed by the university. There is provision for review of 10 per cent of the answer scripts, selected at random in each subject/paper arranged at the zonal level. The answer scripts of a particular zone are reviewed by another zonal, review board employing examiners selected by the university. The valuers are not to indicate the marks in the scripts. If the difference in marks awarded by an examiner and the review board is 15 per cent or more in the papers reviewed, all the papers valued by that examiner are revalued by the board. Thus the process of decentralisation within the guidelines provided by the university is nearly complete. This measure is to be commanded in view of the recommendations in 'Examination Reform-A Plan of Action'. However, one cannot be too certain about the efficacy of the semester system in the absence of adequate resources in terms of libraries, laboratories and adequate teaching staff. It would have been much better if the university had first introduced the semester system and internal assessment at the post-graduate level and then extended it to the affiliated colleges in the light of experience. In fact, the committee visited the university at a time when some college students were agitating for scrapping of the semester system. The University has, however, taken a firm stand in this regard and it seems that the worst phase of the crises is now over. The fact that some college students which agitated over the issue inspite of the fact that the university has brought out an excellent brochure explaining the objectives and advantages of the semester system shows either lack of proper orientation of college teachers or lack of appreciation on the part of the students of the advantages flowing from the system. The impression gained by the members of the committee in the course of discussion with the members/Principals of some of the local affiliated colleges was that teachers are not opposed to the semester system per se but they are not altogether happy about the increase in their quantum of their workload. Even at this late stage, it would be desirable for the university to orient the college teachers and students to the new semester pattern and its mechanics, through workshops organised on a regional basis.

(c) Although the university has formulated guidelines in respect of internal assessment to be conducted by the colleges, it is not certain whether the point that internal assessment should be used as a feedback is

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properly emphasized. The purpose of internal assessment can be served only when the teachers use it imaginatively so as to test various skills and objectives which one is not usually able to test in a final written examination. Internal assessment should emphasised the application of knowledge and from this point of view the questions should be problem oriented as far as possible. Although the university has provision for a grievance machinery and a Review Board it would still be desirable to show the performance of a student in internal assessment separately.

(d) The committee had an opportunity of having a look at some of the question banks developed by the university. . . . It is not certain whether the questions which are of an improved type and have been carefully constructed. If the questions included in the bank are validated and the facility value and discrimination index which indicate there is no reason why the university should not have a specific provision regarding the use of question banks. The existing provision in the university is that examiners can draw from question banks reflecting the same objective and content. In internal assessment or final examinations they would be free to add questions on their own from outside the bank. Unless there is a definite percentage say 5 percent of above, as recommended in the UGC Plan of Action on Examination Reform regarding the questions included in the paper, all this investment in terms of money and effort would be somewhat infertous. It is, therefore, suggested that the university should take immediate decision in this regard before proceeding further in regard to the development of question banks.

(e) The main problem in the university is in regard to the implementation of the grading system. This has been accepted in principle but no effort has so far been made to orient the university teachers to the objectives of the grading system. In the course of discussion with the Heads of Departments and other university authorities, the committee had that there was still some confusion in the minds of people regarding the ranking of students. distribution of prizes etc. in case the grading system was adopted. The committee therefore suggest that the university should organise immediately a workshop on the system of grading so that the doubts in this regard may be set at rest and grading may be introduced at the post-graduate level from the current academic year.

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(f) Subject to the acceptance of the suggestions made by the committee, regarding the semester system, internal assessment, question banks and grading, the committee suggests that the assistance of the Commission towards the examination reform unit of the university may be continued on the present basis within the present allocation of Rs. 5 lakhs for the period ending 1978-79. It is hoped that the university still take urgent steps not only to introduce examination reforms along the suggested lines but also towards the restructuring of courses with which the process of examination reform is not separably linked.

The committee is grateful to the Vice-Chancellor, Registrar the Co-ordinator of the Examination Reforms Committee, University Professors and Principals of Examinations who gave it a number of useful suggestions for the implementation of examination reforms in the university.

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C O N F I D E N T I A L

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 17th October, 1977

Item No.22 : To consider the proposal of North Eastern Hill University for starting Hindi Programme. . . in the School of Languages.

.....

The North-Eastern Hill University has made a proposal to the UGC for starting Hindi programmes in the School of Languages from the next academic year. In the proposal made by the University, it has been observed that:

"The Professor and Head of the Department of English of this University has submitted a proposal for starting of Hindi programmes in the school of Languages of the University. He had discussions on this matter with Dr. P. Gopal Sharma, Director, Central Institute of Hindi, Agra, and they have submitted the following proposals:

- 1) A Senior Diploma Course and a Junior Diploma Course in Hindi Language may be started from the next academic year in the NEHU by the Central Institute of Hindi. The Examinations for the course shall be held and certificates awarded by the NEHU. The syllabuses for the courses shall be drawn up by a Committee headed by Dr. M.V. Rajagopalan, Professor in-Charge Central Institute of Hindi, Shillong.
- 2) Research work leading to Ph.D. Degree may be started on the subjects of:
  - (a) Comparative study of literature of Hindi and other Indian languages.
  - (b) Comparative study of Hindi Language and other languages, preferably the dialects of the North-Eastern Region.
  - (c) Folklore and the culture of local dialects also may form part of the study.
  - (d) Pedagogical and linguistic aspects of teaching of Hindi language and literature to the students of North Eastern Region.

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The Central Institute of Hindi may provide one or two scholarships of Rs400/- each per month to the Ph.D. scholars; and two members of the teaching staff of its Regional Centre at Shillong may undertake the research project leading to the Ph.D. Degrees. The work may be done under the joint guidance of one expert member of the staff of Central Institute of Hindi, Shillong on the one hand and the member of the staff designated for the purpose from the School of Languages of the NEHU on the other. Arrangements may be made under the Scheme of the supply of Hindi books of the Ministry of Education of the Government of India to build up gradually the Hindi section of NEHU library.

The M.A. Course in Hindi language and literature or in comparative literature with Hindi as a main part may be developed for later introduction at the University.

Dr. P. Gopal Sharma may be associated as a member of the body to be constituted for giving guidance and direction for the development of such a department. For the time being the teaching staff will be supplied by Central Institute of Hindi and later on appointments may be made by the NEHU in the usual manner.

I am now directed to request you to consider the above proposals favourably and to accord necessary sanction for starting the above mentioned courses under the auspices of this University, when necessary sanction for starting those courses are granted further details regarding the organisation of the course shall be submitted for approval.

In this connection it may be stated that the University has not given any indication of the financial implications involved in it and no observation have also been made by the Visiting Committee to the North-Eastern Hill University in its report about starting of Hindi programmes in the University.

The matter is placed before the Commission for consideration.

AS(D-5a)/DS(D5)

UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 17th October, 1977

Item No. 23: To consider the areas of specialization for the posts of professor and Reader in the Department of Economics- Jadavpur University.

The Commission on the recommendations of the 5th Plan Visiting Committee approved 1 post of professor and 2 posts of Readers as an additional staff in the Department of Economics during the 5th Plan period.

The following specialization were prescribed for the above staff:-

- |              |  |
|--------------|--|
| 1. Professor | public Finance                                 |
| 2. Readers   | a) Public Economics<br>b) Industrial Economics |

The Jadavpur University has stated that the areas of specialisation may be extended and the following specialisation may also be attached with the posts of 1 professor and 2 Readers:-

- (a) Monetary Economics/Quantitative Economics/Agricultural Economics for the post of professor.
- (b) Economics Theory/Statistics and Economics/Quantitative Economics/History for the posts of Readers.

The copies of the letters received from the Jadavpur University are enclosed as Annexure I & II.\*

The matter is placed before the Commission for consideration.

(S.O.)/T.S.(D-3)

Copy of letter No. D5/12/77 dated 23rd/25th June, 1977 received from Registrar, Jadavpur University addressed to the Secretary, University Grants Commission.

The Commission in its letter No. F. 3-10/74(D-3a) dated the 18th of June, 1976, approved the creation of the Department of Economics of the following additional posts with specialisation as noted against each of them on the basis of the recommendation made by the Visiting Committee:-

1. Professor - One post with specialisation in Public Finance.
2. Readers - Two posts with specialisation in
  - (a) Public Economics
  - (b) Industrial Economics

The Board of Studies of Economics met and considered the matter. The majority of the members, however, are of the opinion that as there are some senior teachers who have been doing significant research in other areas of specialisation, it is desirable that the areas of specialisation as suggested by the Commission be expanded to include also the following:-

- (a) Monetary Economics/Quantitative Economics/  
Agricultural Economics for the post of Professor
- and (b) Economic Theory/Statistics and Econometrics/  
Quantitative Economics/Economic History for the posts of Reader.

The Commission is requested to kindly look into the matter and permit the University to enlarge the areas of specialisation as desired by the teachers of the Department.

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Copy of letter No. U3/LG/6/72 dated 1st/2nd September, 1977 received from The Registrar, Jadavpur University addressed to the Secretary, University Grants Commission regarding Areas of specialisation for the posts of Professor and Readers.

With reference to your letter No. F. 3-10/74(D-3a) dated 21st July, 1977 I send herewith a list of the members of the teaching staff in the Department of Economics with their qualifications and areas of specialisation etc.

As regards justification for the desired change in areas of specialisation, I am to state that the majority of teachers of the department concerned are of the opinion that specialisations required for the posts of Professor and Readers should include the following in addition to those prescribed by the U.G.C. viz. Public Finance for the post of Professor and Public Economics and Industrial Economics for the post of Reader :

- (a) Monetary Economics/Quantitative Economics/Agricultural Economics for the post of Professor
- and
- (b) Economic Theory/Statistics and Econometrics/Quantitative Economics/Economic History for the posts of Reader.

The U.G.C. in its report on the Department of Economics has noted that "The Department has a slant towards teaching and research in Mathematical and Monetary Economic Problems" It may also be mentioned here that majority of the teachers have been doing their research works in the fields as stated in (a) & (b) above. Many of them would be derived the opportunity of promotion if fields of specialisation required for the new posts be confined as only to those suggested by the Commission. A list of publications of the teachers concerned may also be supplied, if desired. It is further to be noted that research and teaching in Public Finance, Public Economics and Industrial Economics require basic disciplines from different subjects like Economic Theory, Monetary Theory, Quantitative Analysis, Statistics and Econometrics. The international standard of research in these fields is advancing fast with inter-disciplinary approach and the Department of Economics hopes to gain through persons with such specialisation.

Under the circumstances I would request you to kindly look into the matter and permit the University to enlarge the areas of specialisation.

List of teachers of the Department of Economics with their Academic qualifications and areas of specialisation.

Sl.No.	Name of the member of the teaching staff	Post held	Qualifications	Areas of specialisation
1	2	3	4	5
1.	Dr. A.F. Ghosh	Professor	M.A., Ph.D. (Cal).	Applied Economics, Econometrics.
2.	Dr. H. Banerjee	Professor	M.A., Patna Univ. M.S.S.(Master of Social Sciences) - Institute of Social Studies The Hague, Netherlands, D.Sc. - Netherlands School of Economics, Rotherdam.	Econometrics.
3.	Dr.(Mrs.) Manjula Bose	Reader	M.A.(1st in Class II) Cal. Univ. 1952. Ph.D. Cal. Univ. 1967	Monetary Economics, Agricultural Economics, Industrial Problems
4.	Dr. P.J. Datta	Reader	M.A. Ph.D.	Public Finance and Development Economics.
5.	Mrs. Anita Banerjee	Reader	B.A. (Cal.), M.A.(Cantal).	Public Economics/ Public Finance, Economic History.
6.	Shri Kalyan Datt	Reader	M.A. (Cal).	Quantitative Analysis, Agricultural Economics and theory of Economic Development.
7.	Dr. Animesh Chakraborty	Lecturers	M.A. Ph.D.	Applied Economics, Econometrics.

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1	2	3	4	5
8.	Sri Sourindra Nath Bhattacharya	Lecturer	B.A. (Hons) Cal. Univ. 1956. M.A. (Econ), Jadavpur Univ. 1958 (1st in Class I).	Economic Theory (Theory of Choice, Growth and Methodology).
9.	Dr. Ranjit Ranjan Das	Lecturer	M.A. Jad. Univ. 1958. Ph.D. Jad. Univ. 1966.	Industrial Development and Urban Growth, Qualitative approach to demographic history of India, Inter- national Money.
10.	Shri Harindra Nath Sur	Lecturer	M.Sc. in Statistics (First Class First) Calcutta University 1962. B.Sc. with Statistics Honours (First Class first) Calcutta University, 1960.	Econometrics and Statistics
11.	Dr. Debesh Ch. Chakraborty	Lecturer	M.A. Ph.D.	Applied Economics and Demography.
12.	Sm. Jaba Guha	Lecturer	B.A.(Hons) in Economics, (First class First). First class first in M.A.	Economic theory and Quantitative Economics
13.	Dr. Susmitra Rakshit	Lecturer	B.A.(Hons) Cal. Univ.(2nd class 2nd). M.A. Delhi University. Ph.D. Cal. University.	Industrial Economics
14.	Shri Bipul Malakar	Lecturer	M. Stat (I.S.S.)	Econometrics and Planning
15.	Dr. Debjani Sarkar	Lecturer	Ph.D. Cal. Univ. 1970 M.A. Cal. Univ. 1963 B.A. (Hons) Cal. Univ. 1961	Industrial Economics, Statistics and Econometrics Quantitative Economics
16.	Dr. Nlip Kumar Halder	Lecturer	B.A. (Hons), N.A. Ph.D.	Public Economics, Transport and Regional Economics

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION  
...  
Meeting: 209

Dated :17th October, 1977.

Item No.24: To consider a proposal from Vice-Chancellor Gujarat University regarding revision of Student - Teacher ratio for the increased slab of financial assistance for Commerce Colleges.

...

The University Grants Commission considered the recommendation made by the Committee to advise the Commission on the development of colleges and accepted the recommendations of the said committee vide details in Appendix 6 of the Item No. 23 of the meeting held on 18th October 1976. The Commission while considering the recommendations of the committee on the development of colleges inter-alia considered that a college having a minimum staff-student ratio of 1:20 and with examination results of 60% or higher and agreed may be assisted on an increasing slab system as under :-

1. Colleges having an enrolment between 1001 to 2000 Rs. 8 lakhs
2. Colleges having an enrolment more than 2000 students Rs. 10 lakhs

Otherwise such colleges would still be eligible to assistance upto Rs. 5 lakhs.

In response to this decision of the Commission, the Vice-Chancellor, Gujarat University has proposed to the Commission to relax the teacher student ratio of 1:20 for the Commerce Colleges in the state of Gujarat. The letter of the Vice-Chancellor is enclosed as Annexure.

The Vice-Chancellor has stated that the Commerce colleges in Gujarat offer only certain streams and the rush of students is so heavy that this ratio is almost impossible to maintain in Gujarat. This may hold good for humanities and social sciences in general and Commerce courses in particular.

It is felt that the ratio of 1:20 is an overall ratio. In arts classes generally the accepted strength of the section is about 40, and as such the question may need re-consideration.

The matter is placed before the Commission for consideration.

DS(D-4/E.O(D-4b)

\*SLK\*

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Annexure to Item No. 24

Copy of the letter No. UGC/VC/2152/1977 dated 26th August, 1977 addressed to Dr. Satish Chandra, Chairman UGC from the Vice-Chancellor, Gujarat University.

....

The Commerce Colleges, particularly those in the State of Gujarat, do not become eligible to development grants from the U.G.C., because the teacher-pupil ratio of 1:20 is not available. What happens in Gujarat is that the Commerce Colleges offer only certain streams and the rush of students towards Commerce is so heavy that this ratio is almost impossible to get in Gujarat. I would, therefore request you to kindly, as a special case, revise the ratio in the case of the Commerce Colleges in Gujarat so that they also become eligible for development grants from the U.G.C.

With kind regards,

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\*SLK\*



Confidential

UNIVERSITY GRANTS COMMISSION

(211)

Meeting :

Dated : 17th October, 1977

Item No. 25 : To consider a proposal from the Gujarat University for providing additional facilities in the Gymnasium of the University.

The Gujarat University constructed a Gymnasium at a cost of Rs. 3,60,663.32 during the 4th Plan period. The Commission's share was limited to Rs. 1,87,500/- of which an amount of Rs. 1,85,000/- was paid outside the 4th Plan allocation under N.S.O. Scheme. (The balance amount will be released on receipt of certain completion documents). The Vice-Chancellor, Gujarat University has requested the Commission to sanction an amount of Rs. 1,50,000/- on 50:50 sharing basis outside the 5th Plan allocation for providing wooden floor and adequate lighting in the Gymnasium. A copy of Vice-Chancellor's letter No. D.A. VC 2194/1977 dated August, 1977 is in the enclosed Annexure-1.\*

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In this connection it may be mentioned that the Visiting Committee did not recommend any additional facilities to be provided in the existing Gymnasium nor a proposal to this effect was placed before it. Out of the total recommendation of Rs. 159.30 lakhs the Commission has ear-marked an amount of Rs. 150.00 lakhs for the 5th Plan period against which an amount of Rs. 123.15 lakhs has already been approved. The Commission has also decided that a sum of Rs. 15,000/- may be approved on 75:25 sharing basis to a university during the 5th Plan for improvement of play field and purchase of accessories provided the university has not been assisted under the scheme of N.S.O. during the 4th Plan period.

The matter is placed before the Commission for consideration.

DS(D-4)/LS(D-4&c)

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Annexure to Item No. 25

Copy of letter No. VC/2194/1977 dated August, 1977 received from Shri I.J. Patel, Vice-Chancellor Gujarat University addressed to Shri B.A. Chhabra Secretary, University Grants Commission regarding Facilities for Gymnasium:

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The University Grants Commission, very kindly, sanctioned a Gymnasium for the University by their No.F. 11-1/70 (SA,III) dated 18.2.1974 outside the IVth Plan at a total cost of Rs. 3,18,082.56. The completion certificate for this project together with the relevant documents is forwarded to the University Grants Commission by our No. Estate/38297 dated 30.8.1977.

The Gymnasium building is a very good one providing the area adequate for Badminton, Tennis, Bascat Ball as per international standards, over and above Wrestling, Boxing, Kabbadi and all sorts of Gymnastics activities. It would, therefore, virtually mean to serve as a complex of all these games and gymnastics not only for training but also for holding national and international events.

The only additional facility to be provided for an upto date complex of all these activities is a wooden floor and adequate lighting. Even for boxing and wrestling plus gymnastic activities, a wooden floor is now considered a must.

The University Grants Commission in the Vth Plan has very kindly agreed to provide additional facilities for sports and games in the Vth plan period outside the Plan. In that connection, I would request you to kindly move the Commission to sanction Rs. 1.50 lakhs for wooden flooring and other facilities on a 50:50 sharing basis. Necessary copies of Plans and estimates etc. from the architect are enclosed herewith.

I know it may be either very difficult or near impossible for the State to agree to the share, hence I underwrite to raise the amount of Rs. 75,000/- i.e. the 50% share through donations or otherwise. Taking the share to be our responsibility, kindly move the Commission to sanction Rs. 75,000/- as their share so that an excellent complex for a number of games and gymnastics activities is created in the University. The same will attract a number of University and College students as such a facility does not exist anywhere else in Ahmedabad.

-.-.-. .

\*\* Not enclosed

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 17th October, 77.

Item No 26: To consider a proposal of Tata Institute of Social Sciences, Bombay for continuing the post of Assistant Lecturers.

....

The Commission took over the payment of maintenance grant to Institute of Social Sciences, Bombay w.e.f. 1.4.1976. The Commission has also approved an amount of Rs. 13.25 lacs as maintenance grant for the year 1977-78, which inter-alia includes the provision of 10 Assistant Lecturers in the scale of Rs. 350-25-625 (un-revised). The Institute was however, requested to review the position and phase out the posts of Assistant Lecturers in the light of the Commission's general decision to abolish such posts gradually. The Tata Institute of Social Sciences has now requested the Commission to consider the following

1. The psotion of Assistant Lecturers may be continued till such time as more posts of Lecturers are created in place of Assistant Lecturers.
2. Those Assistant Lecturers who are already confirmed may continue to serve in that capacity and new appointments may be made on a temporary basis as part-time Instructor/ Research Fellows.
3. The Instructors may be given a consolidated salary of Rs. 700/- p.m. the term of appointment being for a maximum period of 5 years.

In this connection it may be mentioned that the Ministry of Education and Social Welfare (Department of Education) to which a reference was made by the Institute, informed the Institute that with a view to ~~maintaining~~ maintaining uniformity in the pay scales visualised in the scheme of revision of salary scale, it would be desirable not to make a fresh recruitment to the post of Assistant Lecturers till the matter was finally settled in consultation with the Commission. A copy of the letter received from the Tata Institute of

p.t.o.

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Social Sciences, Bombay No. Adm./2/4/4651/77  
dated 13th July, 1977 with its enclosures  
is attached as Annexure.\*

\*p 215-217

The matter is placed before the Commission  
for consideration.

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Annexure to Item No.26

Copy of letter No. Admn/2/4/4651/77 dated July 13, 1977 from N.Krishnamoorthy, Registrar Tata Institute of Social Sciences addressed to the Secretary UGC. (215)

Kindly refer to your letter No. F.24-7/75(D-4a) dated October 25, 1976 wherein you had mentioned in the last para that the Institute should review the position of Assistant Lecturers and try to phase them out. In this connection, I am sending herewith a copy of the letter from Mr. T. Narain, Deputy Secretary, Ministry of Education and Social Welfare, New Delhi and our reply to it. (Appendix I & II).

Subsequently the question was discussed in detail and we place the following proposals for consideration by the Commission.

1. As already mentioned in para 4 of our reply to Mr. T. Narain, Deputy Secretary, Ministry of Education & Social Welfare, Delhi since it is uneconomical to have Lecturers/Research Officers to engage in work now being done by Research Assistants in positions in Research Units/Department, the Institute may be allowed to continue to fill such posts in Research Departments and Units at a level below that a Lecturer.
2. In relation to field work supervision, it is felt that there is a need for continuing the positions of Assistant Lecturers atleast till such time as more positions of Lecturers are created in place of Assistant Lecturers.
3. While those who are already confirmed in their positions as Assistant Lecturers may continue to serve in that capacity, all new appointments would be made on a temporary basis as part-time instructors and research fellows.
4. In terms of weekly working hours the instructors will give the equivalent of three working days and they would spend the rest of their time towards working on their Research Degree. They should be given a consolidated salary of Rs. 700/- p.m and there need be no annual increments. The terms of appointment need not extend beyond five years.

It is requested that the above suggestions arrived at in consultation with the Senior Members of the Teaching Staff of the Institute may kindly be considered for approval by the Commission. Pending approval of this proposal all posts sanctioned in the five years plan period are kept in abeyance. Appointments will be made only on a temporary basis for the existing teaching Departments whenever there is a vacancy due to resignation to avoid stoppage of work

Appendix I

Copy of letter No. Admn./2/4/1429/77 dated February 28, 1977 from Shri N. Krishnamoorthy, Registrar, Tata Institute addressed to Mr. T. Narain, D.S. Ministry of Education and Social Welfare.

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This has reference to your D.O. letter No.F.13-1/77-U.3 dated February 21, 1977 regarding endorsement of the Education Secretary in respect of appointments to the posts of Assistant Lecturers.

The posts of Assistant Lecturers which were previously designated as Community Organisers, Field work Supervisors, Faculty Assistant and Research Assistants came into existence because a need was felt for Junior level staff who would not participate in the class-room teaching programme but would be available for performing certain professional functions such as field work instruction, organising social work services and assisting members of the faculty in their academic duties. The need for individuals to perform these functions still continues.

In view of the observations and the circumstances stated by you in your letter referred above, it would be possible though with some difficulty, not to appoint persons in the posts of Assistant Lecturers sanctioned by the University Grants Commission for the teaching departments under the Fifth Five year Development Programme.

In the case of Research Units/Departments it will be very uneconomical to request the Research Officers / Lecturers to collect data and process them. Hence it may be necessary to continue the posts of Research Assistant (which are at present designated as Assistant Lecturers) in the Research Departments.

In the case of the existing Assistant Lecturers in other Departments their cases will be put up before the Commission as and when a need is felt for upgrading the posts.

As for the appointments of the two Assistant Lecturers for which approval was sought under my circular No. Admn/53/5/8316/76 dated December 30, 1976, our Director, Dr. M.S. Gore, has already sent a letter to the Education Secretary with a request to ratify the appointments already made before the receipt of his endorsement as by that time we had received approval of 15 out of 16 members of the board.

Appendix, II

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Copy of the letter No. D.O.N.F.13-1/77-U.3 dated February 21, 1977 from Triyogi Narain, Ministry of Education and Social Welfare, Department of Education, New Delhi addressed to Shri N. Krishnamoorthy Secretary, Governing Board, Tata Institute of Social Sciences, Sion-Trombay Road, Deonar, Bombay.

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/the recommen-  
dations of the  
selection committee  
for the appointment  
of

Please refer to your letter No. Admn./53/5 /8216/76 dated December 30, 1976/January 3, 1977 in which you have circulated/certain candidates to the Members of the Governing Board for approval.

The Education Secretary has returned the above circular with the following endorsement " Approved except in respect of posts of Asstt. Lecturers regarding which a separate reference is being made,"

As you know, the scheme of revision of salary scales approved by the Government does not envisage a category of teaching staff lower than that of a Lecturer in a University. It is only in the case of colleges that a category of Tutors/Demonstrators was included in the scheme with the provision that while the existing incumbents of these posts may be placed in the revised scales, there should be no future recruitment to these posts. It, therefore, follows that consequent to the implementation of the revised salary scales, there would be no recruitment to the post of a category of teachers lower than that of the post of Lecturer. We note that the post of Asstt. Lecturers in your Institute was created by re-designating the existing posts of Faculty Assistants/Research Asstts. as decided by the Governing Board in June 1975. When you had taken up the question of a revised scale for this category of post in October 1975 we had advised you to refer the matter to the University Grants Commission. We presume that this question has not so far been finally settled as we see that the proposed fresh recruitment is also in the pre-revised scale of Rs. 350-675.

In order that the uniformity in pay scales visualised in the scheme of revision of salary scales is not disturbed, we would suggest that any fresh recruitment to these posts may be kept in abeyance till the matter is finally settled in consultation, with the UGC. I shall, therefore, be grateful if you kindly take up this matter with the UGC immediately and also let us know the decision in due course,

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 17th October, 1977

Item No.27 : To consider the proposal of the Delhi University for enhancement of recurring grants for the maintenance of Science laboratories in the colleges for Undergraduate, Pass and Hons. courses : . . .

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The Delhi University has forwarded a copy of the recommendations made by the sub Committee appointed by the Heads of Science departments to consider the matter relating to the enhancement of recurring grants of Science laboratories in the colleges for undergraduate pass and Hons. courses (Annexure-I).

2. The University has recommended the revised rates for the maintenance of Science laboratories as suggested by the sub-Committee for the approval of the Commission. The revised rates have been suggested due to the enormous increase in prices.

3. In this connection, the following observations are also made:-

(1) The Commission pays maintenance grant on 95% basis of the approved deficit for affiliated/constituent colleges and 100% of the approved deficit for university maintained colleges, and evening classes. The expenditure on the maintenance of the Science laboratories is, however, taken on 100% basis for maintenance grant-in-aid purposes.

(2) The Commission has laid down the following limits of expenditure for the maintenance of the Science laboratories with effect from the years as noted against each:

- (1) B.Sc. (Gen) Group 'A' Rs. 130/- per student p.a. (1965-66)
- (2) B.Sc. (Gen) Group 'B' Rs. 170/- per student p.a. (1965-66)
- (3) B.Sc. (Hons) in Physics Rs. 90/- per student p.a. (1970-71)
- (4) B.Sc. (Hons) in Chemistry Rs. 100/- per student p.a. (1970-71)

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| (5) B.Sc.(Hons) in Botany                      | Rs.170/- per student p.a.(1973-74)                   |
| (6) B.Sc.(Hons)in Zoology                      | Rs. 170/-per Student p.a(1973-74)                    |
| (7) B.Sc.(Gen)Group 'B'<br>with Physics.       | Rs.170/-+ Rs.35/-extra<br>per student p.a. (1973-74) |
| (8) B.Sc.(Hons) Botany with<br>Physics         | Rs.170/-+Rs.35/-extra<br>per student p.a. (1973-74)  |
| (9) B.Sc.(Hons)Zoology<br>with Physics         | Rs. 170/-+35/- extra<br>per student p.a. (1973-74)   |
| (10)Maintenance of Botanical<br>Garden.        | Rs. 1,000/- p.a. (1965-66)                           |
| (11)Maintenance of<br>Herbarium and<br>Museum. | Rs. 1,000/- p.a. (1965-66)                           |

(3) The recommendations now made by the Delhi University for the maintenance of the Science laboratories are indicated below:-

(i) B.Sc.(Gen) Group 'A'

Physics	Rs.120/- per annum per student
Chemistry	Rs.140/- per annum per student

(ii) B.Sc.(Gen) Group 'B'

Chemistry	Rs. 140/- per annum per student
Botany	Rs. 100/- per annum per student
Zoology	Rs. 100/- per annum per student

(iii) B.Sc.(Hons) Physics

Physics (Main)	Rs.180/- p.a. per student.
Chemistry(Subs)	Rs. 140/- p.a. per student.

(iv) B.Sc.(Hons) Chemistry

Chemistry (Main)	Rs.200/- p.a. per student.
Physics(Subs)	Rs.120/- p.a. per student

p.t.o.

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(v) Zoology/Botany main

Ist year Rs. 100/- per student.

2nd year Rs. 100/- per student.

3rd year Rs. 240/- per student.

Subsidiary Chemistry

Ist year Rs. 140/- per student.

2nd Year Rs. 140/- per student.

Subsidiary Botany/Zoology

Ist Year Rs. 100/- per student.

2nd year Rs. 100/- per student.

Additional Physics.

Rs. 70/- p.a. per student.

Maintenance of Botanical Garden	Rs. 2,000/- p.a.
Maintenance of Herbarium	Rs. 1,000/- p.a.
Maintenance of Zoological Museum.	Rs. 1,000/- p.a.

(4) The University has stated that an additional expenditure of Rs. 16,55,690/- p.a. approximately would be involved on the basis of the existing sanctioned strength for different courses in different colleges. A statement indicating collegewise additional expenditure involved in this regard is attached (Annexure-II).\*

The matter is placed before the Commission for consideration.

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Copy of Minutes of the meeting held on 4th November, 1976 at 3.00 p.m. in the Committee Room of the Faculty of Science, University of Delhi circulated vide No.SF-II/8(1)/Grant/75-76 dated 17th February, 1977.

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A meeting of the Sub-Committee appointed by the Heads of the Science Departments at its meeting held on 4.11.1976 to consider the matter relating to the enhancement of recurring grants for undergraduate science courses was held on 31st January, 1977, at 3.00 P.M. in the Committee Room of the Faculty of Science, University of Delhi, Delhi.

The following were present:-

- |    |                    |  |
|----|--------------------|--|
| 1. | Prof. R.P. Singh   | (In the Chair)                                 |
| 2. | Dr. P.C. Mathur    | Department of Physics,<br>University of Delhi. |
| 3. | Dr. Manohar Lal    | Department of Botany,<br>University of Delhi.  |
| 4. | Dr. S.R.V. Rao     | Department of Zoology,<br>University of Delhi. |
| 5. | Dr. N. Subramaniam | Lecturer in Physics,<br>Kirori Mal College,    |
| 6. | Dr. J.C. Trikha    | Lecturer in Chemistry,<br>A.R.S.D. College,    |
| 7. | Dr.(Miss) N.Kapil  | Lecturer in Botany,<br>Miranda House.          |
|    | Shri J.C. Kochhar  | Deputy Registrar(Science)                      |

The letter No. 48/210/1757 dated 6.9.76 of the Principal, Daulat Ram College, alongwith its enclosures was placed on the table.

The following correspondence of the University Grants Commission was also brought to the notice of the members.

- I Letter No.F.1-7/66(cu) dated 25th November, 1965)
- II Letter No.F.1-6/66(cu-II) dated 14th March, 1974)

p.t.o.

After scrutiny of the papers, the Committee felt that the prices of the consumable items for science Practicals have been increased four to eight times. The Committee noted that the following norms of the grants for science education were prescribed in the year 1965.

1. B.Sc(Group:A)

(i)	Physics	Rs. 60.00	per annum per student
(ii)	Chemistry	Rs. 70.00	-do-

2. B.Sc.(General:B)

(i)	Chemistry	Rs. 70.00	per annum per student
(ii)	Botany	Rs. 50.00	-do-
(iii)	Zoology	Rs. 50.00	-do-

3. Pre-Medical

(i)	Physics	Rs. 70.00	per annum per student
(ii)	Chemistry		
(iii)	Botany	Rs. 50.00	-do-
(iv)	Zoology		

"Approved expenditure" on cent percent basis for purposes of maintenance grant to Delhi Colleges:

- (a) Maintenance of Botanical Garden - Rs.1,000.00 p.a.
- (b) Maintenance of Herbarium and Museum. - Rs.1,000.00 p.a.
- (c) (i) B.Sc. (Hons) in Physics Rs. 90.00 p.a. per student.
- (ii) B.Sc. (Hons) in Chemistry Rs.100.00 p.a. per student.

Consequent upon the abolition of Pre-Medical course and introduction of the following three courses in lieu thereof w.e.f. admissions of 1973 the University Grants Commission prescribed the norms

of recurring grant as detailed below:-

- i) B. Sc. (Gen) Group 'B' - Rs. 170.00 + Rs. 35.00 extra per annum per student.
- ii) B. Sc. (Hons.) with Botany - Rs. 170.00 per annum per student.
- iii) B. Sc. (Hons.) with Zoology - Rs. 170.00 -do-
- iv) B. Sc. (Hons.) Botany with Physics. - Rs. 170.00 + Rs. 35.00 extra per annum per student
- v) B. Sc. (Hons.) Zoology with Physics. - Rs. 170.00 + Rs. 35.00 extra per annum per student.

The Committee discussed the issue at length and on the basis of the fact that the prices of the materials have increased enormously resolved to recommend that the existing maintenance grant be doubled and fixed as detailed below for the undergraduate science courses:-

- i) B. Sc. (General) Group 'A'

Physics	Rs. 120/- per annum per student.
Chemistry	Rs. 140/- -do-
- ii) B. Sc. (General) Group 'B'

Chemistry	Rs. 140/- per annum per Student
Botany	Rs. 100/- -do-
Zoology	Rs. 100/- -do-
- iii) B. Sc. (Hons) Physics.

Physics (Main)	Rs. 180/- per annum per student
Chemistry (Subs)	Rs. 140/- -do-
- iv) B. Sc. (Hons) Chemistry)

Chemistry (Main)	Rs. 200/- per annum per student
Physics (Subs)	Rs. 120/- -do-
Zoology/Botany Main - 1st year	Rs. 100/- per student
2nd year	Rs. 100/- per student
3rd year	Rs. 240/- per student

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<u>Subsidiary Chemistry-</u>	1st year	Rs. 140/-	per student
	2nd year	Rs. 140/-	-do-
<u>Subsidiary Botany/ Zoology</u>	1st year	Rs. 100/-	-do-
	2nd year	Rs. 100/-	-do-
<u>Additional Physics.</u>		Rs, 70/-	per annum per student,

The Committee further recommended enhancement of the following grants also:-

- (a) Maintenance of Botanical Garden - Rs.2,000.00 per annum.
- (b) Maintenance of Herbarium . . . . . - Rs.1,000.00 per annum
- (c) Maintenance of Zoological Museum. - Rs.1,000.00 per annum.

The meeting ended with a vote of thanks to the Chair.

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Annexure II to Item No. 27

<u>Name of the College</u>	<u>Additional expenditure involved</u>
1. St. Stephens' College	Rs. 53,450
2. Hindu College ,	Rs. 1,00,800
3. Hans Raj College	Rs. 1,13,950
4. Kirori Mal College,	Rs. 1,27,100
5. Ramjas College,	Rs. 1,02,900
6. S.G.T.B. Khalsa College	Rs. 1,12,300
7. Daulat Ram College,	Rs. 72,200
8. Miranda House	Rs. 1,04,050
9. Gargi College	Rs. 94,700
10. Deshbandhu College	Rs. 1,18,200
11. Maitreyi College	Rs. 32,600
12. Moti Lal Nehru College	Rs. 26,600
13. Sri Venkateswara College	Rs. 65,400
14. A.R.S.D. College	Rs. 87,350
15. Rajdhani College,	Rs. 62,250
16. Shivaji College	Rs. 83,400
17. Kalindi College	Rs. 28,040
18. Zakir Hussain College,	Rs. 81,500
19. Dayal Singh College	Rs. 84,700
20. Shyam Lal College	Rs. 46,800
21. Swami Sharddhanand College	Rs. 57,400

Total - Rs. 16,55,690

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 17th October, 19

Item No.28: To consider the proposal of the Patna University for the change of specialisation of the post of professor approved for the Department of Psychology during the 5th Plan period.

The Visiting Committee which assessed the 5th Plan requirements of the Patna University made the following recommendations for the development of the Department of Psychology during the 5th Plan Five Year Plan :-

"The present intake of the department is 32 students in M.A. (Previous) and the same number of students in M.A. (final). It has a staff of Professor-1; Readers-2 and Lecturers-2. In addition, a retired professor of Psychology who is working under the UGC scheme of utilisation of services of retired teachers, one reader and one Lecturer, working in temporary capacity are also helping the department. Seven teachers of the constituent colleges and one guest Lecturer from A.N. Sinha Institute of Social Studies also deliver a few lectures in the department. Five teachers possess research qualifications. 25 candidates are engaged in doctoral research. The department has published so far nine research papers in foreign journals and 85 in Indian Journals, in addition to 15 books. The total workload of the department is 112 periods per week. The workload per teacher per week is professor-12 periods (one theory and ten practicals and one lecture at the undergraduate level); Reader and Lecturer (11 to 15 periods). The department has a library which has in stock 1182 books and 413 issues of back numbers. It possesses equipments of the value of Rs. 35,000/- approximately.

The Psychology department of the University is one of the most active departments in the Faculty of Humanities and social sciences. The main areas in which the members of the departments have specialised are personality measurement, educational Psychology, social psychology and occupational

p.t.o.



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psychology. Although the department is quite strong in social psychology and industrial psychology, it would be of advantage if it strengthens itself in the field of organisational Psychology and organises studies and research in organisational behaviour. The department has a few specialists in Counselling Psychology. It would, therefore, be advisable if it also introduces Counselling psychology as one of the special papers. Keeping this in view, the Committee recommends that the following assistance be provided to the department during the current plan period :-

- (i) Teaching Staff : Professor - 1 (Organisation Psychology)  
Reader - 1 and Lecturers - 2.
- (ii) Books and Journals 40,000/-
- (iii) Equipments 20,000/-
- (iv) Test Materials 2,000/-
- (v) Field work 10,000/-
- (vi) Furniture 5,000/-

The Commission at its meeting held on 27th and 28th October, 1975 noted the general observations made in the report of the visiting Committee and accepted the report (Item No.23) The Commission approved the following facilities under first phase for the development of the department of Psychology during the 5th plan period:-

- (I) Books and Journals 20,000/-
- (II) Furniture 2,500/-
- (III) Test Materials and field work 12,000/-
- (IV) Staff  
1 - Professor (Organisation Psychology)  
1 Reader (Open)

The Patna University has now informed that the specialisation attached with the post of Professor of Psychology Department cannot meet the requirements of

(2-8)

the Department and moreover the specialisation is too restrictive that it will debar all such teachers who are otherwise qualified and suitable for professorship from even applying this post. The University has further stated that this department has done some useful research work in the areas of Educational Psychology and educational measurement. Some valuable research in the area of human learning and cognitive growth in relation to deprivation is also in progress and has, therefore, requested that the specialisation attached to the post of professor may be changed from 'Organisation Psychology' to Educational Psychology'. The proposal of the University does not involve any additional financial liability on the part of the University Grants Commission. The list of the existing staff in the Department of Psychology along with the reasons for the change of specialisation as submitted by the University is attached as Annexure.

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The matter is placed before the Commission for consideration.

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Annexure to Item No.28

List of teachers of the Psychology Department their qualifications, posts held and area of specialisation is given below:-

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P.G. Deptt.

<u>Name</u>	<u>Qualification</u>	<u>Post held</u>	<u>Area of specialisation</u>
Dr. B. De,	M.A. Ph.D. (London)	Prof. & Head	
Sri T. Nath	M.A.	Reader	-
Mrs. S. Mathur	M.A.	Reader	-
(Dr. (Miss) Maya Sinha	M.A. Ph.D. (London)	Lecturer	Test construction
Dr. A.K. Srivastava	M.A. Ph.D.	Lecturer (on leave)	Educ. Psy.
Dr. A.K. Singh	M.A. Ph.D. (Pat.)	Lecturer (Temporary)	
Dr. B.K. Singh	M.A. Ph.D. "	" (on leave)	Educ. Psy.

Institute of Psy. Research & Service

Dr. K.K. Januar	M.A. Ph.D. (Pat.)	Reader	Educ. Psy. & Educ. measurement.
Dr. L.N.K. Sinha	M.A. Ph.D. (Pat.)	Lecturer (on leave)	Educ. (Social)
Mrs. Veena Sinha	M.A.	" (temporary)	
Sri C.M. Singh	M.A.	" (Purely temporary)	

Fatna College

Dr. R.N. Sharma	M.A. Ph.D. (Pat.)	"	Educ. (Social Psy)
Dr. Shamshad Hussain	M.A. Ph.D. (Pat.)	"	Test Construction.
Mrs. Prabha Ghosh	M.A. M. Ed. (Pat.)	" (Temporary)	
Mrs. Khurshid Jehan	M.A.	" (Purely temporary)	
Mrs. Geeta Sinha	M.A.	" (temporary)	

B.N. College

Sr. K.A. Mirza	M.A.	Reader	
Sri R.B. Singh	M.A.	Lecturer	
Dr. J.N. Sinha	M.A., Ph.D.	"	Educ. measurement
Dr. Akbar Ali	M.A. Ph.D.	"	Exp. Psy.
Dr. Ram Pravesh Singh	M.A.	" (Purely temporary)	

M.M. College

Dr. (Mrs.) Sharda Sinha	M.A. Ph.D.	College Prof.	Soc. Psy Educ. Psy.
Dr. (Mrs.) Lakshmi	M.A. Ph.D.	Lecturer	(Learning)
Dr. (Mrs.) Savitri Sharma	M.A. Ph.D.	"	Educ. Psy.
Dr. (Mrs.) Ashma Ahmed	M.A. Ph.D.	"	Soc. Psy.
Mrs. Pushpa Sinha	M.A.	" (Temporary)	

The reasons for seeking change in the specialisation for the post of Professor in Psychology, sanctioned by the U.G.C. under the V plan period are as follows:-

1 We intend to make our teaching programme more research and application oriented. For this we want to strengthen our existing facilities and develop the Department along certain lines. As a basic science, Psychology has been growing in many directions. As no single Department, much less our own, can grow and specialise in all those directions, we plan to develop only a few directions which are significant.

Our Department has done some useful research work in the area of Educational Psychology, and educational measurement. Some valuable research in the area of human learning & cognitive growth in relation to deprivation is also in progress. Study of these problems have assumed greater importance for reasons both theoretical and practical, and also in view of the priorities laid down by the UGC and NCERT. We, therefore, propose . . . to have a research Unit which will concern itself with problem of learning abilities and disabilities of different social groups, for example, with such questions as the effect of poverty, social emotional climate, social discrimination etc. on learning & cognition. Hence, we would like an able person of the Professor's rank for this Unit.

2 The Post-graduate staff council, at its meeting on the 24th June, 1976 considered the specialisation as laid down by the UGC. The members felt that the UGC specialisation did not meet the requirement of the Department. It was also felt that the specialisation was too restrictive and it debarred all such teachers who are otherwise quite qualified and suitable for professorship from even applying for this post. Hence, it was unanimously resolved that the UGC be requested to waive specialisation in organisational psychology and replace it by specialisation in other areas such as: Educational Psychology with emphasis on cognitive growth, learning & guidance/psycho-diagnostics/etc.

3 While sanctioning posts of Professors in Psychology for other universities of Bihar, viz. Bhagalpur, University Magadh University, Ranchi University, UGC has provided alternative areas of specialisation. Similar facility should be extended to us also.

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In view of the reasons stated above, it is requested that specialisation in Organisational Psychology be waived and replaced by specialization in Educational Psychology with emphasis on cognitive growth, learning & guidance. If there be some difficulty in waiving the UGC stipulated specialisation altogether then it is prayed that an alternative area of specialisation in Educational Psychology as indicated above may be added.

It is needless to add that by accepting our proposal the UGC will be making a valuable contribution to the development of teaching & research in the country. We earnestly hope that our request will be favourably considered by the UGC.

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Confidential

UNIVERSITY GRANTS COMMISSION

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Meeting:  
- Dated : 17th Oct., 1977.

Item No.29 To consider additional proposals for Staff from Kalyani University for University Grants Commission's assistance in the light of implementation of the Schemes approved during Vth Plan period.

Kalyani University has sent a proposal for additional staff required for various departments during the 5th Plan Period. Some of the staff which had already been recommended by the 5th Plan Visiting Committee but were not approved in the 1st phase by the Commission will be put up for approval separately, as per recent decision of the Commission. The position in respect of the staff which has not been recommended by the 5th Plan Visiting Committee, but required by the University is indicated below:-

1. English
  - Reader - 1
  - Lecturer - 1

The Department has 1 Professor, 1 Reader, 7 Lecturers.

The post of one Reader already sanctioned has been filled up. The Post of Lecturer is being filled up. Intake for M.A. is 70, B.A. Hons. 40.

2. Economics
  - Professor - 1
  - Reader - 1

Selection has been made to the post of one Reader and one Lecturer already sanctioned.

The present intake for M.A. is 90, and for B.A.(Hons) 75. The Department has 1 Professor, 2 Readers and 10 Lecturers. Hence the need for 1 Professor and 1 Reader.

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3. Sociology

Lecturer - 1

Selection Committee is meeting soon to select one Reader and 1 Lecturer already sanctioned. Department has 8 Lecturers. Intake for M.A. is 85. The Selections have been made to the posts of One Reader and One Lecturer sanctioned already.

been

4. Bengali - 1

Professor - 1  
Lecturer - 2

There is no professor in the Department of Bengali, which has both in Under-graduate and Post-graduate classes. The post of a Professor sanctioned during the IVth Plan period could not be filled up. There is immediate necessity for a Professorship. The Department has 1 Reader and 4 Lecturers.

Intake B.A(Hons) 22  
M.A. 46

5. Political Science

Reader - 1

The Posts of 1 Professor and 2 Lecturers already sanctioned have been filled up New Department.

6. History

Reader - 1

Selection of the staff already sanctioned (1 Professor 2 Lecturers) by the Commission has been made by the University New Department.

7. Commerce

Reader - 1

Selection has been made to the posts already sanctioned (1 Professor, 2 Lecturers). For the post of Lecturer, advertisement has been done. New Department.

The matter is placed before the Commission for consideration.

Meeting:

Dated : 17th October 1977

Item No.30: To consider the proposal of the Utkal University (Department of Psychology) for collaboration with Birmingham University, U.K. in the field of Education Psychology under Indo-British Universities ~~ies~~ Collaboration Programme

#### Collaboration

Under the Indo-British Universities/Programme which has been approved by the Govt. of India there is a provision for development of academic links between selected universities in India and those in UK in specified fields. The programme has provision for exchange of exploratory visits by senior faculty members of the participating universities for drawing up programmes of collaboration mutually acceptable. The financial implications as already agreed by the University Grants Commission (India) and the India Committee (British Council Division) are that the sending side will meet both ways international air fare in respect of its nominees and the receiving side will provide the maintenance for the duration of the stay in the host country, under the programme. The programme does not provide for any equipment component, but sophisticated equipment required for conducting the programme, if any, is to be acquired through Colombo Plan assistance.

One of the links, approved by the Commission under this programme is in the field of Educational Psychology between the Utkal University, Department of Psychology and the Department of Education Birmingham University, UK. After exchange of exploratory visits from both sides by senior faculty members the participating universities have drawn a joint research programme on the cognitive growth and educational development of school children, with particular reference to the socially and culturally dis-advantaged pupil, and the problems of drop out and stagnation. The research will concentrate upon the problems of pupils upto the age of 12+ but the problems of the adolescent and high school pupil will also be given due consideration.

The joint research programme would be conducted for a total period of five years. However, the progress in the collaborative programme would be reviewed after a period of three years.

The programme involves visit of faculty members between the participating institutions for a period extending upto 6 months in order to make the required contribution to the collaboration project by consultation and teaching. Normally the frequency of these visits would not exceed two to each university within a each financial year. For the time being the visits of 3 faculty members from the Department of Psychology, Utkal University to the Department of Education, Birmingham University and of 2 members



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from the Birmingham University to the Utkal University are envisaged through the course of the programme. A copy of the joint research programme as drawn up by the participating universities is attached (Annexure I)\*

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The concept of IBUC programmes was reviewed in consultation with the British Council and it was agreed that priority would be given to those programmes in which collaboration in teaching and research could have useful developmental attributes. Dr. R Rath, Professor of Psychology, Utkal University, the Coordinator from the Indian side has stated that the programme is not merely a fact finding theoretical project but it intends to evolve action programmes for development of the scheduled castes and scheduled tribes which constitute the disadvantaged groups in this context. The basic contents of the project which have been agreed to by the participating departments/universities have been formulated keeping in view the specific developmental approach of the socially disadvantaged. A copy of his letter dated 2nd September, 1977 is also attached (Annexure II).@

The matter is placed before the Commission for consideration.

AS(CE)/DS(CE)

INDO-BRITISH UNIVERSITY COLLABORATION (IBUC)

Programme of Collaboration in research and teaching between the Post-graduate Department of Psychology, Utkal University, and the Department of Education, Birmingham University, U.K.

THE PROPOSAL

1. Research Collaboration

(i) Basic Aims

Research will be carried out on the cognitive growth and educational development of school children, with particular reference to the socially and culturally disadvantaged pupil, and the problems of drop out and stagnation. Hence in the main, the research will concentrate upon the problems of pupils up to the age of 12+, but the problems of the adolescent and high school pupil will not be neglected. All projects will be undertaken in consultation with members of both departments. Results and recommendations will be jointly published. From its nature, the proposed area of research will play a greater part in the research activities of Utkal University since the problem of environmental disadvantage is more extensive and entrenched in Orissa than in Birmingham.

(ii) Proposed Plan of Research

(a) Basic Research

i. To identify and develop measures of the trends towards higher level thinking which seem important in intellectual and educational growth across the whole range of schooling. These trends may be briefly identified as the development from egocentric and fragmented thought, on to thought dominated by the concrete content of the situation, finally leading to higher level thought and learning, where the thinker is able to explain and evaluate in terms of the ideas he has developed. Widespread research up to now has shown that the same sequence of development is revealed in all societies, but that its rate of development varies considerably from sophisticated to more primitive societies.

ii. To carry out work on pre-school and primary school children.

iii. To investigate the conditions for training pupils to think and learn more effectively.

(b) Examination, assessment and diagnosis of pupils' intellectual and educational development

1. Empirical investigation, by appropriate tests, of the problem of cognitive growth across the range from pre-school to high school

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Mr UN Dash or professor B Chatterjee to visit Birmingham in October-November, 1977, for two months.

Dr. K Wedell to visit Utkal in February-March, 1978, for three weeks.

Prof. R. Rath to visit Birmingham in May-June, 1978 for one month

Dr. BN Puhon to visit Birmingham in October-November, 1978, for 2 months.

Mr. K Wheldall to visit Utkal in December-January 1978-79, for 6 weeks.

An Indian colleague to visit Utkal in December-January, 1979-80, for 4 weeks.

ii) Other Members

Other members of teaching and research staff whose area of work is specifically and wholly concerned with the project would need to visit the other Institution. These visits would fall within the total frequency of visits already suggested.

iii) London Institute of Education Scholars

Certain scholars working in the field of disadvantaged children, may be invited to join the scheme in two years' time. If their visits were in addition to the plan stated, application would be made to the funding body. Any such participants would operate as members of the Utkal-Birmingham team and would consult Professor Peel concerning their contributions.

3. Duration of the Project

It is envisaged that a period of five years would be required for its fulfilment. The position may be examined at the end of the third year.

4. Funding of the Project

Funds are available at Utkal for the Indian side of the scheme.

5. Working Facilities

Working facilities to be provided will be what are normally offered to visiting scholars and would include working accommodation within the two departments.

6. Travel and Board

An agreement exists between the UGC of India and the British Council that the visitors from Birmingham will be paid the air fare by the British Council and the hospitality in India will be borne by the Indian UGC, Indian visitors will be paid their air fare by the UGC of India and their hospitality in England will be met by the British Council.

Sd/-  
R. Rath

Sd/-  
E.A. Peel

years, in relation to the operating social, cultural and educational factors. The latter would include S.E. level of parents, literacy in the home, caste, tribal conditions and amount of schooling. Promising starts have already been made by certain junior colleagues on the staff at Utkal, on the association between, on the one hand, tribe and caste membership and length of schooling and, on the other, development of powers of thought, concept formation and language capacity.

(c) Applications of the Psychological and social findings in (ii) b 1 to the teaching - learning situation, that is, in the class-room and in the texts and practical rooms in order to improve educational progress. In general, if the changes in quality noted in Section (a) 1 are demonstrated, then the methods of teaching and the texts used will have to be modified to take account of the need to develop new school material, through first a full use of the first/experience of the learner to the encouragement of his own activity in forming new ideas, and finally calling for less purely descriptive repetition, and more pupil initiated explanation and creative thinking.

(d) Field Training

i. Training of teachers in the methods found most helpful in Section (c). Practically the Department of Psychology might run, in connection with Colleges of Education, short courses for teachers, giving the results of the research and discussing their applicability to the classroom situation, bearing in mind the problem of drop out and its possible relation to over-rigid and under-sensitive methods of pupil instruction. Since the problem of contact with teachers in Orissa would be large, it might be better to start by training key personnel who would then themselves organise groups in the different localities of the state.

ii. Training by the Utkal Department of Psychology, of a small number of psychologists in child guidance, with special reference to the disadvantaged, who would then be able to aid teachers. Since apparently there is no psychological service in Orissa, it might be better to train serving teachers who could then give some of their time to service work in child guidance.

2. Visits by Members of Staff from one institution to the other

It is envisaged that members of one institution may be invited to visit the other institution for periods extending upto six months, in order to make required contributions to the collaboration project by consultation and teaching. Normally the frequency of these visits would not exceed two to each University within each financial year. The proposed contributions of earlier visitors are set out in the attached notes. Visits already projected are as follows:

(i) Senior Members

Professor B. Chatterjee or Mr. UN Dash to visit Birmingham in May-June, 1977, for 2 months.

Professor EA Peel to visit Utkal in December-January, 1977-78, for six weeks.

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Appendix

VISITS

1. General

All visitors would be available for lectures, tutorials, seminars and research consultations on problems of social and cultural disadvantage in school pupils.

2. Specific Contributions

R. Rath -

Lectures surveying the range of the psycho-social problems of the socially disadvantaged, referring to tribal, scheduled caste and immigrant children. Research interests: Concept formation in disadvantaged and socially normal children.

B. Chatterjee -

Lectures in research methods and instruments, for use in social psychology, and bearing on the research enquiries to be undertaken.

Research interests: Full developmental norms across childhood into adolescence.

Problems of first generation learning.

U.N. Dash -

Research and lecturing on cognitive growth, language achievement comprehension and classroom achievement, related to the presence and absence of social and cultural deprivation.

K. Wedall -

Lectures on the early perceptual, motor and cognitive development of young children, with special reference to the disadvantaged and handicapped child.

Advice and consultation on the institution and role of a school psychological service, prefacing section (d) of the proposed plan of research.

E.A. Peel -

To complete with R. Rath the details of immediate urgency in the research programme under headings - (A) Basic Research to develop tools of measurement and assessment, and (b) Their application with other measures in the actual assessment of culturally disadvantaged children.

contd...

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Lectures and research seminars on the intellectual development and quality of learning in children, beginning with pre-school years and following through into intellectual maturity.

Lectures and seminars on the application of such findings to school learning.

E.A. Peel  
March, 1977.

Copy of letter No. 566/187 207/77 dated 2nd September 1977  
from Dr. R Rath, Senior Professor of Psychology,  
Postgraduate Department of Psychology, Utkal University,  
to The Secretary, UCC, New Delhi

The collaboration scheme between this department and the School of Education, Birmingham University has been drawn up keeping in view the mutual benefits of both the Universities. The areas of collaborative research would clearly indicate the usefulness of collaboration in solving problem related to the Education of the socially disadvantaged. In India the education of the Scheduled castes and scheduled tribes has not proceeded very far due to very serious psycho-educational problems which have to be identified and action programmes have to be drawn up on the basis of these findings. This department has done considerable work in this field and the School of Education of Birmingham University is also concerned about the education of the adolescents as well as the immigrant children of England. Professor Peel, the Head of the Department of Psychology, Birmingham University spent some time in this department in January this year and all these problems were discussed in detail. In fact, in the area of educational development, this area is considered very important for future development of not only education but the around improvement of the socially disadvantaged. This is a world wide problem and both the departments have agreed to thrash out all the issues related to this area. The intention of collaborative research is not merely a fact finding theoretical project but it intends to evolve action programmes for development of the scheduled castes and scheduled tribes which constitute the disadvantaged groups in this context. The basic contents of the project which have been sent earlier under the joint signature of Professor Peel of Birmingham and this department have been formulated keeping in view the specific developmental approach of the socially disadvantaged. Both the departments have already proceeded very far with this approach mind.

It will be appreciated if you kindly get it approved at your earliest convenience so that the remaining parts of the collaborative project would be implemented.

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UNIVERSITY GRANTS COMMISSION.

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MEETING :

DATED : 17th Oct., 1977

Item No. 31 : To consider UGC assistance for development of Postgraduate Departments in Kerala in the context of the Report of Joint Survey Committee (1976).

.....

The Commission considered the Report of the Joint Survey Committee on Postgraduate Colleges in Kerala and the recommendations for UGC assistance at its meeting held on 4th -5th August, 1977 vide Item No. 51.

The minutes of the meeting are given in Annexure\*

In the light of the above, the following modifications in regard to assistance to Postgraduate Departments in colleges under Calicut and Kerala Universities are suggested:

- (1) No assistance is recommended for F.I.P., since this could be met under assistance for undergraduate development.
- (2) Assistance to departments in places having a cluster of colleges is subject to the condition that the departments concerned will coordinate their efforts, resources and facilities for cooperative teaching. The University may take the initiative in this matter and ensure proper implementation as a matter of high priority.

The departments in this category are :

CALICUT UNIVERSITY.

Calicut:

- (1) Commerce: Guruvayoorapan College & Farook College.
- (2) Mathematics: St. Joseph's College and Farook College.

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Trichur:

- (1) English: St. Thomas College, Sree Kerala Varma College and Vimala College.
- (2) Economics: St. Thomas College, Sree Kerala Varma College and Vimala College. Since the university department is located here, coordination becomes easier.
- (3) Commerce: St. Thomas College & Sree Kerala Varma College.

KERALA UNIVERSITY:

Trivandrum:

- (1) English: University College, Women's College, Mar Ivanios College.
- (2) Sanskrit: University College and Sanskrit College.
- (3) Economics: University College & Women's College.
- (4) Philosophy: University College & Women's College.
- (5) History: University College & Women's College.
- (6) Chemistry: University College, Women's College and Mar Ivanios College.
- (7) Physics: University College, Women's College and Mahatma Gandhi College.
- (8) Mathematics: University College, Women's College and Mahatma Gandhi College.
- (9) Botany: University College, Women's College, Mar Ivanios College and Mahatma Gandhi College.

Quilon:

- (1) English: ❖
- (2) Economics: ❖
- (3) Commerce: ❖
- (4) Physics: ❖ Fatima Mata National College and Sree Narayana College.
- (5) Botany: ❖
- (6) Zoology: ❖

contd....

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Kottayam:

- (1) English: C.M.S. College and S.B. College.
- (2) Malayalam: N.S.S. Hindu College & S.B. College.
- (3) Mathematics: N.S.S. Hindu College & C.M.S. College.
- (4) Botany: X
- (5) Chemistry: X S.B. College and C.M. S. College.
- (6) Physics: X

Ernakulam:

- (1) English: X
- (2) Economics: X Maharaja's College and Sacred Heart College.
- (3) Chemistry: X
- (4) Zoology: X
- (5) Mathematics: Maharaja's College and St. Albert's College.
- (6) Botany: Maharaja's College, St. Albert's College and St. Theresa's College.

No assistance is recommended to the following departments which are non-viable:

CALICUT UNIVERSITY.

- (1) Zoology: (i) S.N. College, Cannanore.  
(ii) Malabar Christian College, Calicut.
- (2) Commerce: (i) N.S.S. College, Ottapalam.
- (3) Mathematics: (i) N.S.S. College, Ottapalam.  
(ii) St. Thomas College, Trichur.

contd.....

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KERALA UNIVERSITY.

- (1) Mathematics:
- (i) Mahatma Gandhi College, Trivandrum.
  - (ii) Mar Thoma College, Thiruvalla.
  - (iii) N.S.S.Hindu College, Changanacherry
  - (iv) C.M.S.College, Kottayam.
  - (v) St.Thomas College, Palai.
  - (vi) Mar Athanasius College, Kothamangalam
  - (vii) Union Christian College, Alwaye.
  - (viii) St.Albert's College, Ernakulam.
- (2) English:
- (i) N.S.S. College, Pandalam.

Out of the above 14 departments, 10 are Departments of Mathematics. This is an alarming situation particularly in the field of Mathematics Education. This needs urgent drastic remedies on the part of the universities in the State.

Grants to other departments as recommended by the Joint Survey Committee of Postgraduate Colleges in Kerala may be approved.

The matter is placed before the Commission.

DS(D-3)

Annexure to Item No.31

Minutes of UGC Meeting held on 4-5th August, 1977.

Item No. 51 : To consider (i) the report of the Joint Survey Committee on Postgraduate Colleges in Kerala State and (ii) Committee's recommendations on the proposals for the development of postgraduate departments in these colleges.

.....

The Commission noted the Report of the Joint Survey Committee on Postgraduate Colleges Kerala State and the recommendations for development of postgraduate departments in the colleges, and observed as follows:

- i) In the overall improvement of standards of postgraduate teaching and research in the State, the universities have to play a pace-setting role not only by strengthening of existing courses and diversification as well as promotion of inter-disciplinary programme but also in expanding enrolment in the university departments as per norms prescribed by the Commission, so as to rectify the current imbalances in enrolment between the university departments and the colleges.
- ii) Taking into account the vast extent of unemployment among postgraduates in the State, the need for expansion and diversification of enrolment in university departments, there was not much justification for non-viable substandard postgraduate departments in colleges to continue and that particularly in places having a cluster of colleges duplication of courses in several colleges is not desirable. In such cases, it may be desirable to provide for cooperative teaching. The universities may take action in the direction of co-ordinated development of postgraduate education through academic centres. This could be supplemented through appointment of Readers by the University as a Coordinator.
- iii) The Commission could not accept the recommendations of the Committee that the colleges in the Districts of Ernakulam, Allepey and Alwaye may be affiliated to the Cochin University.
- iv) The Commission was not in favour of starting new university departments in districts.
- v) The Commission could not agree to the recommendations in the Report that teachers obtaining higher qualifications either through full-time attachment to university departments or part-time research

contd.....

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in their departments ought to be given advance increments.

vi) There should be a rational policy in regard to transfer of teachers both in Government and Private Colleges. Frequent and random transfers have to be avoided, so as not to disrupt programmes of teaching during the sessions.

vii) The Commission did not concur with the view expressed in the report that science graduates should not be admitted for Master's Courses in Humanities and Social Sciences. Flexibility is necessary in this regard so that motivated and capable science students can go for master's courses in the Humanities and Social Sciences.

It was agreed that the proposals for assistance to colleges, may be recast in the light of the above and the discussions hold at the meeting and again brought up before the Commission.

. . . . .

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UNIVERSITY GRANTS COMMISSION

Meeting :

Dated : 17th October, 1977

Item No. 32 : To consider the proposal of Lunglei College, Lunglei (North Eastern Hill University) for financial assistance as special case.

....

The North Eastern Hill University, in October 1976 forwarded two proposals of Lunglei College, Lunglei (Mizoram) for the construction of (i) a Teachers' Hostel at an estimated cost of Rs. 1,90,800/- and (ii) Students Hostel at an estimated cost of Rs. 4,80,267/-. As the Proposals were not in the prescribed proformae and no basic information about the College (Viz., student enrolment, faculty strength etc.) was available, the College was requested to send the proposals in the prescribed form.

The North Eastern Hill University has now forwarded the proposal of the College for construction of Reading room over an area of 400 sq. ft. at an estimated cost of Rs. 24,960. While forwarding the proposal, the University has stated that:

"The Lunglei College has now been taken over by the Government of Mizoram, and if the assistance not sought is made available to that college without delay, it will be very helpful for the further development of the college. It may not be easy for that college to make further progress without a generous grant from the University Grants Commission. The College, being situated in a backward tribal areas, deserves all help and encouragement. Speedy action in the matter will be very much appreciated."

The North Eastern Hill University had also identified the Lunglei College of Lunglei District in Mizoram as one of the Colleges from the point of view of meeting the needs of students from backward and tribal areas.

Lunglei College is a small College started in 1964. It has not got much financial resources of its own for putting up more buildings. It is situated in such a place that it can develop into a big institution provided necessary financial aid is given. It has been doing very good work inspite of the various difficulties it had to face in its early days.

p.t.o.

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While considering the recommendations of the Standing Committee on development of colleges the Commission at its meeting held on 4-5 August, 1977 decided that to be eligible to receive Commission's assistance, a college located in backward area, providing two year degree course, should at least have 150 students and 7 permanent teachers. Assistance to such colleges could be provided upto Rs. 3 lakhs for books and journals, equipment, Faculty Improvement Programmes and remedial courses on the usual sharing basis, but no assistance is to be provided for purposes of construction of buildings.

Lunglei College, imparting education upto degree level in Arts and upto Intermediate level in Sciences, has a total enrolment of 260 students out of which only 61 are in degree classes. It has a faculty strength of 17 teachers. All the 260 students belong to scheduled castes and scheduled tribes. The College has not received any assistance from the Commission so far for its developmental needs.

It may be mentioned that the Commission at its meeting held on 19th July, as a very special case, had agreed to provide assistance to Kohima Science College Kohima (affiliated to North Eastern Hill University) for (a) Library books (Rs. 75000/- UGC share)/by waiving the condition of minimum enrolment. The Kohima Science College had 43 students in degree classes. The proposals of St. Anthony's College, Shillong (NEHU) have also been accepted by the Commission at its meeting held on 18.7.1977 (item No. 34) in relaxation of normal rules and norms.

id (b)Equip.  
20,000/-  
UGC share)

In view of the above, it is for consideration if Lunglei College be provided assistance under Rs. 5 lakhs scheme in further relaxation of eligibility conditions.

AS/DS (D-3)

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 17th October, 1977.

Item No.33: To consider the question of investment of surplus funds of the Commission in short-term deposits.

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In the course of review of the working of University Grants Commission conducted by Audit in November, 1976, it was pointed out that on many occasions, cash balance with the Commission had exceeded Rs. 50 lakhs, but it was not invested even in short-term deposits which could have earned some interest. Audit had pointed out 86 cases where cash balance with the Commission had exceeded the limit of Rs. 50 lakhs during 8 years ended March, 1976. A similar objection was raised by Audit in November, 1972 wherein it was suggested that balances exceeding Rs. 50 lakhs may be invested in short-term deposits so as to earn some interest. The matter was considered carefully and it was pointed that there were various practical difficulties in estimating the cash requirements for 3000 colleges and 90 Universities spread over the whole country. It was also pointed that the cash balances with the Commission was not a continuous balance existing from a single receipt of grants. After considering the practical difficulties pointed out, the audit para on the investment of surplus funds was dropped by Audit. Recently, when Audit had reiterated its earlier suggestion, it was agreed to examine the suggestion further in consultation with the State Bank of India. The matter was accordingly discussed with the State Bank officials in September, 1977. The Bank agreed to the introduction of a system whereunder the cash balance in excess of Rs. 50 lakhs in the Commission's current account would be invested in short-term deposits for 15 days (or more), the short-term deposit receipts being issued in various denominations. The Bank also agreed that in case of shortage of funds in the current account, the short-term deposits will be paid before maturity to meet the shortfall. (Copy of the letter from State Bank is enclosed). \*

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Section 16(2) of the University Grants Commission Act, 1956 enjoins that all moneys belonging to the Commission's Fund shall be deposited in such Banks or invested in such manner as may, subject to the approval of the Central Government, be decided by the Commission. The matter is, therefore, placed before the Commission for consideration

p.t.o.



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whether the surplus funds may be deposited in short-term deposits, as agreed to by the State Bank of India after the Commission has taken a decision on the suggestion made above the matter will be referred to the Government of India for approval.

\*SLK\*

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Copy of letter No. C&I/M/77 dated 13th September, 1977  
from the Manager State Bank of India, New Delhi  
addressed to Secretary, U.G.C.

We refer to the discussions that I and Shri S.N. Kaul had with you yesterday. As discussed, we are agreeable to introduction of a system whereunder balance in excess of Rs. 50 lacs in your current account would be invested by us in short term deposits for 15 days; the short term deposit receipt being issued in various denominations. In case of shortage of funds in your current account, the short term deposits will be paid before maturity to meet the shortfall.

2 Please confirm the above arrangement so that it can be introduced without delay.

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UNIVERSITY GRANTS COMMISSION.

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MEETING :

Date : 17th Oct. 1977

Item No. 36: To consider the proceedings of the meeting of the UGC standing Committee on New Universities and University centres held on 7th September, 1977.

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255 A meeting of the Standing Committee to advise on the establishment of New Universities & University Centres was held in the office of the Commission on 7th September, 1977. A copy of the proceedings of the meeting is enclosed (Annexure). The recommendations made by the Committee are as under:-

1) Establishment of Postgraduate Centres at Modasa.  
(Gujarat University)

The Committee accepted in principle the proposal from the University of Gujarat for the setting up of a Postgraduate Centre at Modasa. The details of the proposals may be got examined with the help of a Committee.

2) Establishment of a Postgraduate Centre at Quilon and Changannacherry. ( Kerala University )

The Committee could not accept the proposals of the University of Kerala for the establishment of Postgraduate Centrea at Quilon and Changannacherry.

3) Establishment of a Postgraduate Centre at Nanded.  
(Marathwada University)

It was agreed that a Committee be appointed to examine the need of a Postgraduate Centre at Nanded.

The matter is placed before the Commission for Consideration.

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AS(CD)/DS(CP)

Minutes of the meeting of the UGC Standing Committee on new universities and university centres held in the UGC office on 7th September, 1977.

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The meeting of the Standing Committee on New Universities and University Centres was held on 7th September, 1977 in the UGC office. The following were present:-

1. Professor Satish Chandra,  
Chairman,  
U.G.C.
2. Professor B.Ramachandra Rao,  
Vice-Chairman,  
UGC.
3. Dr. S.M.S. Suman,  
Chairman,  
Association of Indian Universities and  
Vice-Chancellor,  
Vikram University,  
Ujjain.
4. Shri I.J. Patel,  
Vice-Chancellor,  
Gujarat University,  
Ahmedabad.
5. Shri T.R.Jayaraman,  
Vice-Chancellor,  
Bangalore University,
6. Professor M.V. Mathur,  
Director,  
National Staff College,  
New Delhi.
7. Dr. O.P. Gautam,  
Deputy Director General,  
I.C.A.R.,  
New Delhi.
8. Shri R.K. Chhabra,  
Secretary,  
University Grants Commission.

Professor R.P.Bambah, Dr.(Miss) A.J.Dastur, Shri P. Sabanayagan, Dr. P.P.Goyal and Shri G.Ramachandran could not attend the meeting.

Contd.....

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The Committee considered the following items:-

1. Establishment of Postgraduate Centre at Modasa-Gujarat University.

The Committee accepted in principle the proposal from the University of Gujarat for the setting up of a Postgraduate Centre at Modasa. The details of the proposals may be got examined with the help of a Committee.

2. Establishment of a Post-graduate Centre at Quilon and Changanchery (Kerala University)

The Committee could not accept the proposal of the university for the establishment of postgraduate Centres at Quilon and Changanchery.

3. Establishment of a Post-graduate Centre at Nanded (Marathwada University)

It was agreed that a Committee be appointed to examine the need of a Post-graduate Centre at Nanded.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION.

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Meeting :

Date : 17th October, 1977

Item No. 37 : To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the University of Kashmir, Srinagar for assistance towards the establishment of a centre for Adult and Continuing Education.

....

The University Grants Commission appointed a Committee, consisting of the following members, to examine the proposal of the Kashmir University, Srinagar for financial assistance towards the development of Adult and Continuing Education Programmes in the university.

1. Shri Ram Lal Parikh  
Formerly Vice-Chancellor  
Gujarat Vidyapeeth  
Ahmedabad.
2. Shri I. R. Shah  
Programme Adviser, NSS,  
Ministry of Education and Social Welfare,  
New Delhi.
3. Dr. M.V. Desai,  
Director,  
Indian Institute of Mass Communication,  
New Delhi.

2. The Committee visited the Kashmir University, Srinagar on September 12-13, 1977. Dr. M.V. Desai could not visit Srinagar owing to unavoidable circumstances. The Committee had discussions with Shri Rasi-ul-Hasan Chishti, Vice-Chancellor, Shri Ghulam Mohammed, Director, Correspondence Courses, Shri Saif-Ud-din-Soz, the Registrar of the University, Professor Fotedar, Dean Faculty of Science, Prof. C.N. Kachru, Professor of Chemistry, Dr. B. Kachru, Professor of Botany, Dr. Habib ur Rehman, Dean, Faculty of Commerce, Shri Wani, Reader in Law, Shri Misri, Reader in Economics and Dr. M.L. Lidhu, Reader in Education. The Committee also visited the Gandhi Bhawan and the departments of Law, Economics and Education. The report of the Committee is attached (Annexure).

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The main observations and recommendations of the Committee are summarized below:-

(a) Although the Kashmir University has so far not developed any programmes of continuing education or a series of extension lecturer's, the committee found that a number of departments specially Commerce, Zoology, Botany, Education and Law are interested in undertaking programmes of continuing education & extending the benefits of knowledge to the society at large.

(b) The Problem of adult literacy is particularly important in the context of the Kashmir Valley. The University should take a lead in this regard by preparing instructional material, for illiterates and neo-literates, training adult literacy workers, evaluating the on-going programmes and . . . helping the agencies already working in the field. Some adult literacy work could also be taken up in one or two villages in the neighbourhood of the university. Those sections of the community outside the campus of the university which are deprived and under privileged and belong to weaker sections of the society should receive greater attention.

The adult literacy work suggested above will infact be adult education, as in addition to the acquisition of literacy skills, it would also be --

-relevant to the environment and learners' needs;

-flexible regarding duration, time, location, instructional arrangements, etc.

-diversified in regard to curriculum, teaching and learn materials and methods, and

Systematic in all aspects of organisation.

(c) The other priority area will be programmes for the rural areas. These programmes can be implemented effectively training the primary school teacher for continuing education programmes. In this context, the proposal of the university for organising a training programme for fishermen in fish canning, a training course for farmers and orientation-cum-training programmes for extension workers of the department of Community Development assume importance.

(d) A third area of interest will be a programme for shokeepers in Srinagar. The programme could include courses in Salesmanship, Book-keeping, accounting, Income Tax Laws etc. The departments of Commerce, Economics and Law could play a leading role in organising these courses.

(e) It would also be useful to organise a general purpose course or a few integrated courses in the rural areas comprising Gandhian thought, moral values, social legislation, cultural heritage, national integration, civic consciousness etc.

(f) The scope of the course proposed by the university on kitchen gardening should be extended to include vegetable growing and horticulture in general and the programme should not be confined to the university community alone. In fact, it would be much better if the university, under the leadership of the department of Home-Science, organised a course for house-wives which could include food and nutrition, child-care, vegetable growing, first aid, food preservation, mashroom cultivation etc.

(g) The Committee is not in favour of according priority to programmes like orientation courses for college teachers, leadership programmes for NSS volunteers, orientation-cum-training course on secretarial practice and a preparatory course for IAS and other competitive examinations.

(h) The existing Gandhi Bhawan is not being utilised for the purpose for which it was constructed. It may now be used for adult education programmes for training of primary teachers for adult literacy work and similar programmes of community service.

(i) The Committee recommends the following facilities for the establishment of a centre of continuing education at Kashmir University, Srinagar.

(a) Staff:

Director-cum-Co-ordinator (honorary).	.. one	in the scale of Rs. 1100-1600, if and when a suitably qualified person is available.
Programme Co-ordinator	.. One	Rs. 750-1350
Head Assistant-cum-Typist	.. One	Rs. 280-520
Junior Assistant	.. One	Rs. 200-320
Messenger	.. One	Rs. 170-230

contd....



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(b) Expenditure on programmes including honorarium to the resource persons ( for a course and not per lecture, TA/DA, Printing of literature, books and journals, miscellaneous expenditure e.g. publicity stationery, postage etc. ( it will not be necessary to provide refreshments to persons undergoing courses).

Rs. 50,000 p.a.

(c) Non-Recurring.

Initial library grant, duplicators, typewriters, audio-visual aids etc.

Rs. 50,000

Total estimated expenditure for two years viz. 1977-78 and 1978-79.

Rs. 2,00,000

UGC share at 75%

Rs. 1,50,000

The matter is placed before the Commission for approval of grants which are within the norms laid down for the purpose.

DS(ER)

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Report of the committee appointed by the University Grants Commission to examine the proposal of the University of Kashmir, Srinagar for assistance towards the Development of Adult and Continuing Education.

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The University Grants Commission appointed a committee consisting of the following members, to examine the proposal of the Kashmir University, Srinagar for financial assistance towards the development of Adult and Continuing Education Programmes in the university. .

1. Shri Ram Lal Parikh  
Formerly Vice-Chancellor  
Gujarat Vidyapeeth  
Ahmedabad.  
4, Ferozshah Road,  
New Delhi.
2. Shri L.R. Shah  
Programme Adviser, NSS,  
Ministry of Education and Social Welfare,  
Shastri Bhawan,  
New Delhi.
3. Dr. MV Desai  
Director  
Indian Institute of Mass Communication  
South Extension,  
New Delhi.

2. The committee visited the Kashmir University, Srinagar on September 12-13, 1977. Dr. MV Desai could not visit Srinagar owing to unavoidable circumstances. The Committee had discussions with Shri Rasi-ul-Hassan Chishti, Vice-Chancellor, Shri Ghulam Mohammed, Director, Correspondence Courses, Shri Saif-Ud-din-Soz, the Registrar of the university, Professor Fotedar, Dean Faculty of Science, Prof. C.N. Kachru, Professor of Chemistry, Dr. B. Kachru Professor Botany, Dr. Habibur Rehman, Dean Faculty of Commerce, Shri Wani, Reader in Law, Shri Misri, Reader in Economics and Dr. M L Lidhu, Reader in Education, The Committee also visited the Gandhi Bhawan and the departments of Law, Economics and Education.

The observations and recommendations of the Committee follow :-

3.(a) The Kashmir University was established in 1948 as an affiliating university for the State of Jammu and Kashmir. In 1969, the University was bifurcated into the universities

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of Kashmir and Jammu and they started functioning as separate units from 5th September, 1969. The Jurisdiction of the Kashmir University extends over the Kashmir Valley, 12 Arts, Science and Commerce colleges and 6 Professional colleges are at present affiliated to the university. Among the professional colleges are the Government College of Education, the Government Medical College, the Regional Engineering College and the Government Agriculture College at Sopore. The total enrolment in the colleges is about 20,000. There are 15 university teaching departments, all providing instruction at the postgraduate level with the exception of law. The departments are English, Urdu, Persian, Hindi, History, Education, Political Science, Economics, Zoology, Botany, Chemistry, Physics, Mathematics, Commerce and Law. The total enrolment in the university departments was 410 at the postgraduate level and 34 at the research level in 1976-77. The university has 120 approved teaching posts in the various faculties. 13 posts are at present lying vacant.

(b) Although the Kashmir University has so far not developed any programmes of continuing education or series of extension lecturers, the committee found that a number of departments specially Commerce, Zoology, Botany, Education and Law are interested in undertaking programmes of continuing education and extending the benefits of knowledge to the society at large.

(c) The university submitted the following programmes for the current plan period.

1. Orientation/refresher courses for college/school teachers.
2. Orientation-cum-training programmes for extension workers of the Department of Community Development.
3. A training programme for fishermen in fish canning.
4. Extension lectures for faculty wives, with the help of the faculty members, extension specialists from the neighbouring agriculture universities.
5. Medical Extension programme for the University Community with the help of Doctors from the Medical College, Srinagar.
6. Leadership Programme for NSS volunteers.
7. Orientation courses on kitchen gardening.
8. Orientation/training course on Secretarial practice.
9. Orientation Course/Training on book-keeping & Accounts.
10. A preparatory course for IAS and other competitive examinations.

11. Training Course for Farmers.
  12. Lecture programme for general enlightenment of people on subjects like the rights and obligations of citizenship, problems of the contemporary world law for the laymen etc.
  13. A course on nutrition and child care, first aid, interior decoration and fruit preservation and mushroom cultivation.
- (d) In its discussion with the Vice-Chancellor and university Professors, the committee emphasised the following essential features of the scheme of continuing education in relation to the Programmes proposed to be undertaken by the University.
- (a) Though universities are maintained by the Community, they have, by and large, remained isolated from the main stream of national life and problems of the community. Now that there is a more realistic awareness of the role of university in continuing education, universities should select the programmes carefully, keeping in view the scope and priorities and their own specialised knowledge, expertise and leadership.
- (ii) The university should safeguard against venturing out into areas in which other agencies may be functioning more successfully and should concentrate, as far as possible, on areas in which it can make an impact and offer something unique and distinctive.
- (iii) The first step is to determine the priority areas keeping in view the interest of the university departments and then to assess the needs of the community and to design the programmes, contents and methodology to suit those particular needs.
- (iv) In identifying the needs of the community and in the conduct of the programmes, it is of the utmost importance that the concerned university departments, are fully involved and assistance is sought from voluntary agencies and other governmental and semi-governmental institutions already working in the field.
- (v) Instead of diversifying its activities and resources over a wide range of activities, the university should make a modest but firm beginning. The programme could be extended and intensified in the light of experience, achievements and the response of the community.
- (vi) There should be a separate centre responsible for the various activities with a good deal of flexibility and functional autonomy. The centre should be directly responsible to the Vice-Chancellor. It should have flexibility specially in relation to accounting procedures. Norms for this purpose could be laid down by the Advisory Committee and approved by the university bodies to enable the centre to carry on its activities without delay or hindrance.

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vii) The university may offer courses of a credit or non-credit nature but there will be many advantages in concentrating efforts in the initial phase, on non-credit courses. Experience has shown that if the needs of the community are identified properly, the community is interested more in the acquisition of knowledge and skills rather than in certificates and diplomas. It has also been noted that the requirements of credit courses often tend to be so rigorous that the various occupational and other groups find it difficult to meet them.

viii) For better organisation, two committees should be formed. One of the committees may consist of academicians and representatives of the community for overall planning and policy. There may also be a committee for each of the programmes to assist the formulation and conduct of the programme in the initial stages.

ix) The possibility of financing the programme through fees, howsoever small, should be fully explored. This has the advantage of getting the better-motivated persons enrolled in the courses.

x) Lectures, discussions, classes, seminars, audio-visual aids etc. could all be used with advantage in programmes of continuing education, but the key word here should be flexibility in relation to the resources of the university and the needs of the community.

4. In the light of the objectives, scope and priorities of the continuing education programme as spelt out above, the committee suggested the following priorities:

a) The problem of adult literacy is particularly important in the context of the Kashmir valley. The university should take a lead in this regard by preparing instructional material, for illiterates and neo-literates, training adult literacy workers, evaluating the on-going programmes and helping the agencies already working in the field. Some adult literacy work could also be taken up in one or two villages in the neighbourhood of the university. Those sections of the community outside the campus of the University which are deprived and underprivileged and belong to weaker sections of the society should receive greater attention.

The adult literacy work suggested above, will in fact be adult education, as in addition to the acquisition of literacy skills, it would also be; relevant to the environment and learners' needs; flexible regarding duration, time, location, instructional arrangement, etc. diversified in regard to curriculum, teaching and learning materials and methods, and systematic in all aspects of organisation.

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b) The other priority area will be programmes for the rural areas. These programmes can be implemented effectively by training the primary school teacher for continuing education programmes. In this context, the proposal of the university for organising a training programme for fishermen in fish canning, a training course for farmers, and orientation-cum-training programmes for extension workers of the department of community Development assume importance. The instructors for the programme for fishermen could be drawn from the Department of Zoology and other related departments and for the programme for farmers and extension workers from the Agriculture College at Sopore. This college is situated at a distance of about 30 miles from Srinagar towards Baramulla. No TA and DA may be paid to the resource persons but not to the participants as proposed by the university. The programme should be organised for those who have the motivation to improve their knowledge and skills and to develop the right kind of attitudes.

(c) A third area of interest will be a programme for shopkeepers in Srinagar. The programme could include courses in Salesmanship, Book keeping, Accounting, Income Tax Laws etc. The departments of Commerce, Economics and Law could play a leading role in organising these courses.

(d) It would also be useful to organise a general purpose course or a few integrated courses in the rural areas comprising Gandhian thought, moral values, social legislation, cultural heritage, national integration, civic consciousness etc.

(e) The scope of the course proposed by the university on kitchen gardening should be extended to include vegetable growing and horticulture in general and the programme should not be confined to the university community alone. In fact, it would be much better if the university, under the leadership of the department of Home-science, organised a course for house-wives which could include food and nutrition, child-care, vegetable growing, first aid, food preservation, mushroom cultivation etc.

(f) The committee is not in favour of according priority to programmes like orientation courses for college teachers, leadership programmes for NSS volunteers, orientation-cum-training course on secretarial practice and a preparatory course for IAS and other competitive examinations, partly because some of these programmes can be organised under other institutional arrangements and partly because the thrust in the programme of continuing education should be using the resources of the university departments and professional colleges for the community outside the university.

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(g) The existing Gandhi Bhawan is not being utilised for the purpose for which it was constructed. It should be used for adult education programme for training of primary teachers for adult literacy work and similar programmes of community service.

5 The committee recommends the following facilities for the establishment of a centre of continuing education at Kashmir University, Srinagar:

a) Staff:

Director-cum-Co-ordinator (Honorary).	one	In the scale of Rs. 1100-1600, if and when a suitably qualified person is available.
Programme Co-ordinator	one	Rs. 750-1350
Head Assistant-cum-Typist	one	Rs. 280-520
Junior Assistant	one	Rs. 200-320
Messenger	one	Rs. 170-230

b) Expenditure on programmes including honorarium to the resources persons (for a course and not per lecturer TA/DA, printing of literature, books and journals, miscellaneous expenditure e.g. publicity stationery, postage etc. (it will not be necessary to provide refreshments to persons undergoing courses).

Rs. 50,000 p.a.

c) Non-Recurring:

Initial library grant,  
duplicators, typewriters,  
audio-visual aids etc.

Rs. 50,000

Total estimated expenditure  
for the years viz. 1977-78-  
and 1978-79.

Rs. 2,00,000

UGC share at 75%

Rs. 1,50,000

The committee is grateful to the Vice-Chancellors, university authorities and professors of various departments for their help and co-operation in its work.

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(CONFIDENTIAL)

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 17.10.1977

Item No:38: To consider the report of the Visiting Committee appointed by the UGC to examine the U.L.P. proposal of the department of Sociology, S.N.D.T. University, Bombay.

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The Commission appointed a Committee consisting of the following members to examine the proposal of the S.N.D.T. University for participation of its Sociology Department in the University Leadership Programme:

1. Professor Tara Patel  
Head, Department of Sociology  
Gujarat University,  
Ahmedabad.
2. Professor V.S.D'Souza  
Head, Department of Sociology  
Panjab University  
Chandigarh.
3. Dr. J.N. Kaul  
Joint Secretary  
University Grants Commission  
New Delhi.

The Committee visited the University on August 29-30, 1977 and discussed the proposal with the Vice-Chancellor, the Registrar, the Head of the Department and her colleagues and the students of the department of Sociology. The report of the Committee is enclosed

270-275 (Annexure-1): The following questions were discussed in detail:

- (a) Is the department of Sociology capable of initiating and conducting programmes for the improvement of college teaching in Sociology?
- (b) Which colleges are to be covered under the scheme?
- (c) What kind of programmes and activities need to be undertaken?
- (d) What are the facilities needed for the successful implementation of the programme?

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The Department has 9 members on its staff - 1 Professor, 1 Reader, 6 Lecturers and 1 Tutor. The Head of the Department is a distinguished scholar and research worker.

There is evidence of considerable activity in the department for modernising and upgrading the Sociology syllabus of the University both at the undergraduate and postgraduate levels. Teachers of the Department have taken active interest in producing reading materials with Indian data. The Committee was impressed with the enthusiasm and team spirit of the faculty.

The SNDT Women's University has two conducted colleges in Bombay and 14 affiliated colleges spread over Maharashtra and Gujarat. The media of education are Marathi, Gujarati, and Hindi. There is a particular need texts in Indian Languages and for Indianising the reading materials because good texts are available only in English and English is not a medium of instruction in any of the undergraduate courses in the affiliated colleges.

#### Observations & Recommendations:

1. Considering the good work already done by the Sociology Department in improving the quality of teaching in the affiliated colleges, the department may be invited to participate in the U.L.P. programme and suitably assisted.
2. Because of the peculiar problem stemming from the teaching of Sociology in three Indian languages, the U.L.P. programme should be confined at present to the conducted and affiliated colleges of the University. This programme may be extended later to the colleges affiliated to the other universities.
3. It would be advisable to have an advisory committee for the programme on which the Sociology Department of the Bombay University and the Tata Institute of Social Sciences, Bombay would be represented.
4. The immediate concern of the U.L.P. should be to prepare the reading materials in regional languages with Indian illustrations and data. It is imperative that the Indian social reality should get reflected in the text books and reading materials used by students and teachers.

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5. An attempt should be made to supplement text books by monographs on important themes. These may be prepared in one language and translated into others. If priced reasonably low, these monographs may be purchased by the students who are otherwise unwilling to buy expensive texts.
6. Because of the peculiar demands of this discipline, it is necessary to prepare and bring out a dictionary of sociological concepts in different languages.
7. The faculty were very keen to prepare reading materials and a suitably annotated bibliography for various courses prescribed by the University. This effort should be encouraged.
8. Efforts will have to be made to orient the teachers in the affiliated colleges to the demands of the new syllabus which is being prepared by the University department. It may be necessary to invite the teachers of sociology from affiliated colleges to the department for workshops, seminars etc.
9. The members of the faculty of the department should find time to visit the colleges and do some actual teaching in these colleges.
10. It would be a good idea to pay a small honorarium to teacher engaged in the ULP.
11. The Committee recommends the following facilities and financial support:

Item	<u>Expenditure</u>			
	First yr. Rs.	Second yr. Rs.	Third yr. Rs.	Total Rs.
1. Two lecturers at Rs.900 per month per person	21,600	22,600	23,600	67,800
2. Senior or Junior Research fellows.	20,000	20,000	20,000	60,000
3. Visiting Professor	30,000	30,000	30,000	90,000

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1.	2.	3.	4.	5.	6.
4.	Seminars/Workshops 2-3 a year.	10,000	10,000	10,000	30,000
5.	Consultancy	2,500	2,500	2,500	7,500
6.	Research colla- boration with College teachers.	5,000	5,000	5,000	15,000
7.	Field study & travel.	5,000	5,000	5,000	15,000
8.	Honorarium to Departmental teachers.	10,000	10,000	10,000	30,000
9.	Preparation of reading material (Books, monographs, workbooks)	8,000	10,000	10,000	28,000
10.	Publication	10,000	10,000	10,000	30,000
11.	Books for colleges	25,000	25,000	25,000	75,000
12.	Books for the department	5,000	5,000	5,000	15,000
13.	Postage	2,500	2,500	2,500	7,500
14.	Stationery (Paper)	5,000	5,000	5,000	15,000
15.	Administrative & Technical Support	10,000	10,000	10,000	30,000
16.	Contingency	2,000	2,000	2,000	6,000
17.	Typewriters	10,000	-	-	10,000
18.	Furniture	1,000	2,000	2,000	5,000
	Total	<u>1,82,600</u>	<u>1,76,600</u>	<u>1,77,600</u>	<u>5,36,800</u>

The matter is placed before the Commission for consideration.

Report of the Visiting Committee appointed by the UGC to examine the U.L.P. proposal of the Department of Sociology, SNDT Women's University, Bombay.

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A Committee consisting of the following members was appointed to examine the proposal of the SNDT University for participation of its Sociology Department in the U.L.P.

1. Prof. Tara Patel  
Head, Department of Sociology  
Gujarat University,  
Ahmedabad.
2. Prof. V.S.D'Souza  
Head, Dept. of Sociology  
Punjab University,  
Chandigarh.
3. Dr. J.N. Kaul  
Joint Secretary,  
University Grants Commission,  
New Delhi.

The Committee visited the SNDT Women's University and its Department of Sociology on the 29th & 30th August, 1977, and held discussions with the Vice-Chancellor and the Registrar of the University, and with the Head of the Department, the members of the staff and the students of the Department of Sociology.

The discussion revolved round questions such as (a) Is the Department of Sociology capable of initiating and conducting programmes for the improvement of college teaching in sociology? (b) Which colleges are to be covered under the scheme? (c) What kind of programmes and activities need to be undertaken? (d) What are the facilities needed for the successful implementation of the programme?

The Department of Sociology has nine members on its staff- One Professor, One Reader, Six Lecturers and one Tutor. Two of the Teachers are Ph.D's and one is nearing completion of her doctoral thesis. The Professor and Head of the Department, Dr. Neera Desai is a distinguished scholar and researcher. She and at least three of her colleagues have already produced considerable reading materials for undergraduate classes. Teachers, in general, have been taking an active interest in matters pertaining to the revision of syllabus, Indianising the reading materials and devising effective teaching methods.

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The Committee was impressed with the enthusiasm and team spirit displayed by the teachers.

The Department offers both undergraduate and post-graduates teaching in sociology and has a relatively large number of students taking its courses: 515 in F.Y.A., 209 and 642 with Sociology as Principal and Subsidiary subjects in B.A. Parts II & III respectively, 95 in M.A. and 4 in Ph.D. programme.

The fact of its teaching at the post-graduate level places the Department in a leadership position vis-a-vis college teaching and the fact of its teaching at the undergraduate level invests it with a direct concern for the improvement of college teaching. Thus the Committee felt that the Department by virtue of its leadership position, its involvement in under graduate teaching and the experience and enthusiasm of its teachers, has a good potential for running a viable U.L.P. programme.

The SNDT Women's University has two conducted colleges located in Bombay and fourteen affiliated colleges spread over Maharashtra and Gujarat. It imparts instruction in the media of Marathi, Gujarati and Hindi. Sociology is taught at undergraduate level in all the colleges except one. About 25 teachers are involved in undergraduate teaching. In view of the fact that the teachers of its own colleges constitute a sizeable group and also the fact that this university has peculiar problems of its own stemming from the teaching of Sociology in two Indian languages, it is felt that the U.L.P. programme should be confined at present primarily to the colleges which are conducted by and affiliated to the SNDT Women's University. However, whenever possible the Bombay University College teachers may also be intited to participate in some of the programmes. It would also be advisable to include in the Advisory Committee some experts from the Bombay University Department of Sociology and the Tata Institute of Social Sciences, Bombay besides the teachers of the SNDT University.

With a view to serving as a basis for the development of the U.L.P. some of the felt needs of the students and teachers were considered. The major handicaps of students which were pointed out by both the students themselves and the teachers are the lack of reading materials in the regional languages, insufficient Indian illustrations in their texts and the lack of opportunity for field observations. Very few students have their own books because of their high cost.

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The teachers faced the problem of teaching sociology in the Indian languages which have very little knowledge content of the subject. The problem, however, is not merely one of simple translation from English into Indian languages but also one of preparing material reflecting the Indian social reality. In addition there is the general problem of making the teaching of sociology effective.

The problems of teachers and students are, of course, interrelated and a number of steps have been suggested for their solution. There is a need to prepare text books with Indian illustrative material. These books may be supplemented by short monographs on important themes. They may be prepared in any one language and translated into the others. Collaborative efforts may yield quick results and if priced reasonably low, all the students may be inclined to buy their own copies. When the same subject is learnt in different languages/is essential for maintaining a common frame of reference. Teaching and learning can be made more effective with the help of Workbooks which need preparation. Compilations of literature from periodicals for different courses will aid in a deeper understanding of the subject matter.

It is visualised that the preparation of the reading material indicated above would form part of the core activities of the U.L.P. The material will be based on a close scrutiny of the syllabus as well as the needs of the students. In addition, attention will also be paid towards acquainting the teachers with the effective methods of teaching and with techniques of field observation for conceptual clarification. The various activities would be initiated in a series of seminars and workshops under the guidance of experts and resource persons. The priorities and the phasing of the programme may be decided in a meeting of the Advisory Committee and the experts.

The Committee, however, felt that for the successful implementation of the U.L.P. two important deficiencies in the Department have to be made good. One of these is the lack of adequate space. The teachers at present do not have any place in the Department to do their independent work. The second deficiency relates to the availability of spare time to teachers for additional work as they are already fully occupied with the normal teaching work of the Department.

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The first deficiency is likely to be made good presently as the Vice-Chancellor has proposed that with the moving out of some of the Departments from the existing buildings more space will be made available to the Sociology Department. As to the solution of the second problem a budget provision may be made in the U.L.P. scheme for the appointment of two additional teachers in the Department, who may relieve the teachers engaged in the project, from a part of their normal work.

It would also be a good idea to pay a small honorarium to teachers engaged continually in the U.L.P. activities, with a view to ensuring their continued interest in the work.

Being convinced of the ability of the Department, with its enthusiastic team of teachers under the able leadership of Professor Netra Desai, to run a viable programme of improvement of college teaching in Sociology, the Committee recommends the Department for the U.G.C., U.L.P. programme. It also recommends the following facilities with their financial outlay:

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STATEMENT OF GRANT FOR A PERIOD OF THREE YEARS.

Item.	<u>Expenditure</u>			
	First yr. Rs.	Second Year Rs.	Third Year Rs.	Total Rs.
1. Two Lecturers at Rs. 900 per month per person.	21,600	22,600	23,600	67,800
2. Senior or Junior Research Fellows.	20,000	20,000	20,000	60,000
3. Visiting Professor.	30,000	30,000	30,000	90,000
4. Seminars/Workshops- 2-3- a year.	10,000	10,000	10,000	30,000
5. Consultancy	2,500	2,500	2,500	7,500
6. Research collaboration with College Teachers.	5,000	5,000	5,000	15,000
7. Field study & travel.	5,000	5,000	5,000	15,000
8. Honorarium to Departmental Teachers.	10,000	10,000	10,000	30,000
9. Preparation of reading material (Book, Monographs, Workbooks).	8,000	10,000	10,000	28,000
10. Publication	10,000	10,000	10,000	30,000
11. Books for Colleges.	25,000	25,000	25,000	75,000
12. Books for the Department.	5,000	5,000	5,000	15,000



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1.	2.	3.	4.	5.	6.
13.	Postage	2,500	2,500	2,500	7,500
14.	Stationery (Paper)	5,000	5,000	5,000	15,000
15.	Administrative & Technical support.	10,000	10,000	10,000	30,000
16.	Contingency.	2,000	2,000	2,000	6,000
17.	Typewriters.	10,000	-	-	10,000
18.	Furniture..	1,000	2,000	2,000	5,000
Total:-		1,82,600	1,76,300	1,77,600	5,36,800

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The Committee wishes to record its thanks to the Vice-Chancellor, The Registrar, the Head of the Department of Sociology, students and teachers of the Department and other departmental/all of whom contributed to a better appreciation of the problems and prospectives of U.L.P. in Sociology.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Date : October 17, 1977

Item No.39 : To consider the minutes of the meeting of the Committee appointed by the Commission on the Constitution of Schools in universities.

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Some of the Visiting Committees which visited the various universities during the Fifth Plan period had recommended the formation of schools in certain State Universities. The objectives and the functions of such Schools were not spelt out in the visiting committees' reports. The Commission have been receiving requests from some universities to indicate the guidelines regarding formation of such schools. It was decided to appoint a Committee to suggest the guidelines on the constitution of schools in universities.

The meeting of the Committee appointed by the Commission on the constitution of schools in universities was held on 9th July, 1977 in the UGC office. A copy of the minutes of the Committee is enclosed. (Annexure)\* The main recommendations of the Committee are detailed below:-

1. The schools may be formed by constituting Committees in which the concerned Head of the Department and any other senior colleague (s) in the department who are specialist in those areas will be members.
2. The Convenorship of the Schools may be by rotation among the Heads of the Department who are members and it may be changed once every two years.
3. These Committees may meet more often as there is need but not less than twice a year particularly at the beginning and at the end of the academic year/semester.
4. When they meet at the beginning of the academic year, the following topics may be discussed in particular besides any other matters:
  - i) Organization of inter-disciplinary courses

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such as Life Sciences, Marine Science, Environmental Sciences, etc.

- (ii) Formulation of new research projects of inter-disciplinary nature.
  - (iii) Organisation of M.Phil./Pre-Ph.D. with inter-disciplinary course content.
5. When it meets at the end of the academic year/semester they may discuss the following matters:-
- (i) To assess the performance and plan for the next year/semester.
  - (ii) To review the progress of the research schemes already undertaken.
  - (iii) To discuss the possible new schemes to be formulated.
6. Besides these main functions, the schools may take up such matters as:-
- (a) Organization of all India level summer institutes seminars, symposia, conferences, etc. relevant to the schools;
  - (b) The development of new areas of research.
  - (c) Organisation of seminars and discussions groups at least once every week within the school to provide a forum for discussion among the participants.
  - (d) Allocation of the budget both recurring and non-recurring among the participants.
  - (e) Recommending scholars and Fellows in the research schemes.
  - (f) Reviewing the progress of the research scholars in order to recommend them for enhancement of scholarship amount or to recommend for senior research fellowship.
  - (g) Utilisation of facilities such as equipment, laboratories, etc. commonly

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among the participants of the School.

7. For the proper functioning of the schools some funds may be earmarked out of the normal budget of the university say 10 to 15% to meet the needs of various departments in respect of equipment, library facilities, accommodation etc., for organising inter-disciplinary courses.
8. The Committee recommended the constitution of following schools:-
  1. School of Physical Sciences
  2. School of Earth Sciences.
  3. School of Life Sciences
  4. School of Environmental Sciences
  5. School of Marine Sciences
  6. School of Energy Studies
  7. School of Applied Sciences
  8. School of Basic Medical Sciences
  9. School of Social Sciences
  10. School of Languages
  11. School of Humanities
  12. School of Fine Arts

The matter is placed before the Commission for consideration.

AS(CP)/DS(CP)

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Draft minutes of the meeting of the Committee appointed by the Commission on the constitution of Schools in universities.

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The meeting of the Committee appointed by the Commission on the Constitution of schools in the universities was held on 9th July, 1977 in the UGC office, the following were present:

1. Professor B. Ramachandra Rao,  
Vice-Chairman, UGC
2. Professor P.N. Srivastava,  
Centre for Life Sciences,  
Jawaharlal Nehru University  
New Delhi.
3. Dr. S.S. Moosath,  
Department of Chemistry,  
Calicut University
4. Dr.N. Balakrishnan Nair  
Department of Aquatic Biology  
and Fisheries,  
University of Kerala
5. Professor Y.J. Rao,  
Geology Department  
Osmania University  
Hyderabad.
6. Shri Inder Lal,  
Assistant Secretary, UGC

Professor B. Ramachandra Rao, Vice-Chairman, informed the members of the Committee that some of the Visiting Committees which visited the various universities to assess their needs for development purposes for the Fifth Plan period inter-alia recommended regarding the formation of schools in certain universities. The Visiting Committees have, however, not spelt out the objectives and functions of such schools in their reports. In view of the recommendations made by the Visiting Committees and accepted by the Commission, certain universities have requested the Commission to provide guidelines regarding the formulation and functioning of the schools in the universities. At present in the State Universities, there are conventional departments in

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each discipline. The schools may be formed for certain inter-disciplinary areas of study and research. The broad purpose of these schools is to coordinate the academic programmes of a few departments with a view to organise inter-departmental courses and programmes of research in inter-disciplinary areas. This would provide opportunities to the various departments to overcome the academic barriers which stand in the way of conventional departments and thus create a cooperative and healthy atmosphere to interact with each other in the university system.

The Committee in the light of the discussions held made recommendations regarding the formation and functioning of schools in the universities. The Committee also emphasised that the Commission may impress upon the universities to initiate action for the formation of the schools in the light of the following guidelines. The universities may also keep in touch with the Commission regarding the activities of the schools periodically. The guidelines may be circulated to all the universities and not only to those particular universities where the Visiting Committees have made their specific recommendations for the formulation of schools.

1. The Schools may be formed by constituting Committees in which the concerned Head of the Department and any other senior colleague(s) in the department who are specialist in those areas will be members.
2. The Convenorship of the Schools may be by rotation among the Heads of the Departments who are members and it may be changed once every two years.
3. These Committees may meet more often as there is need but not less than twice a year particularly at the beginning and at the end of the academic year/semester.
4. When they meet at the beginning of the academic year, the following topics may be discussed in particular besides any other matters:-
  - i) Organization of inter-disciplinary courses such as Life Sciences, Marine Science, Environmental Sciences, etc.
  - ii) Formulation of new research projects of inter-disciplinary nature.

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- (iii) Organisation of M.Phil./Pre-Ph.D. with inter-disciplinary course content.
5. When it meets at the end of the academic year/semester they may discuss the following matters:-
- i) To assess the performance and plan for the next year/semester.
  - ii) To review the progress of the research schemes already undertaken.
  - iii) To discuss the possible new schemes to be formulated.
6. Besides these main functions, the Schools may take up such matters as:-
- (a) Organization of all India level summer institutes, seminars, symposia, conferences, etc. relevant to the schools;
  - (b) The development of new areas of research.
  - (c) Organisation of seminars and discussions groups at least once every week within the school to provide a forum for discussion among the participants.
  - (d) Allocation of the budget both recurring and non-recurring among the participants.
  - (e) Recommending scholars and Fellows in the research schemes.
  - (f) Reviewing the progress of the research scholars in order to recommend them for enhancement of scholarship amount or to recommend for senior research fellowship.
  - (g) Utilisation of facilities such as equipment, laboratories, etc, commonly among the participants of the School.
7. For the proper functioning of the schools some funds may be earmarked out of the normal budget of the university say 10 to 15% to meet the needs of various departments in respect of equipment, library facilities, accommodation etc., for organising inter-disciplinary courses.

A list of schools as recommended by the Committee is enclosed (Appendix).

The meeting ended with a vote of thanks to the Chair.

List of Schools recommended by the Visiting  
Committees

1. School of Physical Sciences
2. School of Earth Sciences
3. School of Life Sciences
4. School of Environmental Sciences
5. School of Marine Sciences
6. School of Energy Studies
7. School of Applied Sciences
8. School of Basic Medical Sciences
9. School of Social Sciences
10. School of Languages
11. School of Humanities
12. School of Fine Arts