

# UNIVERSITY GRANTS COMMISSION

PROCEEDINGS OF THE 87<sup>TH</sup> MEETING OF THE  
UNIVERSITY GRANTS COMMISSION HELD IN NEW  
DELHI ON 5<sup>TH</sup> JULY, 1967

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PROCEEDINGS OF THE 87TH MEETING OF THE UNIVERSITY  
GRANTS COMMISSION HELD IN NEW DELHI ON 5TH JULY, 1967.

The following were present :

1.	Dr. D.S.Kothari	Chairman
2.	Dr. S.Dhawan	Member
3.	Nawab Ali Yavar Jung	"
4.	Shri P.N.Kirpal	"
5.	Shri D.C.Favate	"
6.	Dr. D.S.Reddi	"
7.	Shri B.Shiva Rao	"
8.	Prof. A.R.Wadia	"
9.	Shri K.L.Joshi	Secretary

Secretariat

1.	Dr. P.J.Philip	Joint Secretary
2.	Shri R.K.Chhabra	Deputy Secretary
3.	Dr. D. Shankar Narayan	Development Officer
4.	Dr. R.C.Gupta	"
5.	Dr. R.D.Deshpande	"
6.	Dr. J.N.Kaul	"

Apology of absence was received from Shri T.P.Singh.

Item No. 1: To receive the minutes of the meeting of the Commission held on 3rd May, 1967.

The Minutes of the 86th meeting of the Commission held on 3rd May, 1967 already circulated, were confirmed..

Item No. 2: (a) To approve the action taken on certain matters.

(b) To receive items of information.

(a) The Commission approved the action taken on items listed in Appendix I.\* With regard to Item No. 2(a)(34), Chairman mentioned that the Ministry of Education is being requested to increase the number of scholarships for Indian scholars going to UAR under the cultural exchange programme from 2 to 8. In view of the large and growing demand of Universities/Colleges, the Ministry will be requested to raise the allocation of ~~places to the~~ UGC under the various cultural exchange programmes.

(b) This was noted.

Item No. 3: To approve the statement of grants released after the last meeting of the Commission held on 3rd May, 1967.

The Commission approved the grants released after the last meeting of the Commission held on 3rd May, 1967, as listed in Appendix II.\*

Item No. 4: To receive a statement of expenditure incurred by the University Grants Commission during 1967-68 (upto 31.5.1967).

This was noted.

Item No. 5: To receive a note on the recognition of degrees awarded by the Delhi University through Correspondence Courses.

The Commission generally endorsed the views expressed by the Inter University Board regarding recognition by the Universities of the degrees awarded by the Delhi University through the Correspondence Courses.

Item No. 6: To receive the report of the Committee appointed by the Commission to consider the extension of the scheme of Correspondence Courses to more Universities.

The Commission noted that the Committee was examining further the question of extending Correspondence Courses to more Universities, and desired that the Committee be requested to expedite finalisation of its report.

The Commission desired that the views of the Delhi University be invited with regard to the suggestion made by the Committee that the duration of the Correspondence Courses be the same as for the normal courses. The Commission further desired that the matter may be brought before the Commission again.

Item No. 7: To receive the report made by Academician V.I. Goldanitskii, Unesco Consultant, who visited Indian Universities under the United Nations Expanded Programme of Technical Assistance during the year 1966-67.

This was noted. The Commission desired that the views of the University of Delhi, Indian Institute of Science, Bangalore and Banaras Hindu University be invited with regard to the specific recommendations in the report.

Item No. 8: To receive the report made by A.N. Kholodilin on the completion of his assignment as first Unesco Coordinator to U.G.C. for Centres of Advanced Study Project in Indian Universities.

The Commission received the report made by Dr. Kholodilin. The Commission wished to place on record its appreciation for the valuable services rendered by Dr. Kholodilin as Coordinator for the Unesco Project for the Centres of Advanced Study.

Item No. 9: To receive a note on the visit of Unesco Mission appointed to evaluate programme of Unesco Assistance to Centres of Advanced Study Project in India Universities.

The Commission noted that the report made by the Evaluation Mission was under the consideration of the Unesco and that its

final recommendations are being awaited. In this connection, it was desired that as, in general, a knowledge of Russian was of great importance for persons engaged in advanced study and research (specially in Science and Technology), the Centres of Advanced Study should be invited to make adequate arrangements for their students/teachers for the study of Russian Language (in cooperation with the Department of Russian Language in the University).

The Commission also desired that a note regarding the facilities available in the country for the study of Modern European Languages be placed before the Commission at a later meeting.

Item No.10: To receive a note on the Centre of Advanced Study in Education, M.S.University of Baroda.

The Commission desired that the specific recommendations made by the Assessment Committee regarding the functioning of the Centre of Advanced Study in Education be brought to the notice of the University of Baroda; and the University be requested to indicate the action taken or proposed to be taken by the University in this regard. The Commission also desired that an up-to-date report of the working of the Centre may be obtained and placed before the Commission at a later meeting.

Item No.11: To receive a reference from the Government of India, Ministry of External Affairs with regard to Correspondence with Taiwan Government Organisations.

This was noted.

Item No.12: To consider the reports of the U.G.C. Visiting Committees for development of Universities with particular reference to the Fourth Plan.

The Commission considered the reports of the Visiting Committees of 45 Universities and 2 Institutions deemed to be Universities. The Commission decided that in view of the limited funds likely to be available (about Rs.64 Crores for the fourth Plan period excluding U.G.C. allocation for Engineering & Technology, though it was pointed out that the Fourth Plan outlay has not yet been finalized), the Universities may be asked to select out of the schemes recommended by the Visiting Committees and accepted by the UGC, such schemes, in the first instance as would require a total outlay not exceeding 70% of the total amount (including that for continuing schemes) recommended by the Committees. It was noted that a similar procedure was followed as regards the Third Plan. The Commission further desired that as far as possible the priorities should be in the following order - highest priority should be given to completion of outstanding Third Plan Projects :-

- (i) Completion of the projects already undertaken during the Third Plan period.
- (ii) Library books/journals.
- (iii) Strengthening of academic staff.
- (iv) Laboratory equipment.
- (v) Construction of buildings.

p.t.o.

Further, it was agreed that the Universities be requested to inform the Commission of the schemes proposed to be undertaken for implementation. It was also agreed that in the case of buildings, the financial limits recommended may be kept in view and the areas suggested be revised, if necessary.

The Commission desired that visitations of the remaining Universities be completed within the next 2 - 3 months.

Item No.13: To consider the following proposals received from the Banaras Hindu University :

- (a) Reorganisation of the Library.
- (b) Health examination of students.
- (c) Certain ancillary works for the College of Medical Sciences.

(a) The Commission desired that the Banaras Hindu University be requested to indicate if the University would give a high priority to this scheme. The expenditure on the scheme will be a part of the Fourth Plan allocation made to the University.

(b) The Commission desired that in view of the income received by the University from fees charged from the students, the University may consider making the scheme self-supporting as part of the normal activities of the University.

(c) The Commission accepted the proposal of the Banaras Hindu University for taking up certain ancillary works, e.g., gas plant & gas mains, electric sub-station, construction of over tank, for the College of Medical Sciences at an estimated cost of Rs.3,01,400/-.

Item No.14: To consider the following proposals received from Delhi University :

- (a) Establishment of the Department of Geology.
- (b) Payment of a grant of Rs.12,000/- towards stipends to two Visiting Professors for a period of one year.
- (c) Payment of an ad hoc grant to the Lady Irwin College for the Department of Food & Nutrition.
- (d) Creation of two additional posts of Lecturers in Commerce in the Institute of Post-graduate (Evening) Studies.
- (e) Continuance of the Planning Unit in the Delhi University.

(a) The Commission noted that the new Geology Department established by the Delhi University would initially start 1st year B.Sc. Hons. Courses instead of M.Sc. classes as envisaged earlier. It was

further noted that the major expenditure for starting the M.Sc. classes will have to be incurred in the Fifth Plan. The Commission desired that the University be requested to revise the proposal so as to keep within the recommendations made by the Visiting Committee for the Department of Geology. The Commission also noted that a provision of Rs.10,000/- per annum expenditure for subordinate staff has already been sanctioned for the Geology Department and regretted its inability to accept any increase in the provision, and desired that the University be requested to keep within the amount recommended.

(b) The Commission accepted as a specific case the proposal of the Delhi University for a grant of Rs.12,000/- for stipends to the Visiting Professors -- Dr. D.J.Solla Price of Yale University and Prof. Everett Mendelsohn of the Harvard University. The Commission desired that the general question of payment of honorarium by the Universities to visiting professors under the US Educational Foundation Scheme be further examined.

(c) The Commission accepted the proposal of the Delhi University for purchase of equipment for the Lady Irwin College; the Commission's assistance would be on the basis of 75:25 subject to a maximum of Rs.57,800/-. The Commission regretted its inability to accept the proposal of the College for additional building and furniture.

(d) The Commission requested the Chairman to further discuss the matter with the Vice-Chancellor, Delhi University.

(e) The Commission agreed to the continuance of the Planning Unit up to the end of the 31st December 1967 and desired that this may be examined by the Committee being appointed under Item No.60(b) The Commission could not accept the proposal of the University for an equipment grant and contingent expenditure for this Unit.

Item No.15: To consider a proposal from the University of Burdwan for the appointment of Deans of Students.

The Commission regretted its inability to accept the proposal of the University of Burdwan for appointment of two Deans of students.

Item No.16: To consider the following proposals received from Jadavpur University :

(a) Sanction of additional equipment grant on account of Devaluation.

(b) Establishment of a Computer Centre.

(a) The Commission accepted the recommendation of the All India Council for Technical Education to the payment of an additional grant of Rs.2,18,500/- to the Jadavpur University on account of increase in the cost of the equipment resulting from devaluation.

(b) The Commission accepted in principle the recommendation made by the Committee for the establishment of a computer centre at the Jadavpur University as a part of the IV Plan development programme. The Commission, however, desired that the views of the University

may be invited on the recommendations made by the Committee. In this connection, the Commission felt that it could not accept the recommendations of the Committee regarding the award of fellowships for trainees coming to the Centre and was of the view that this should be provided for by the institutes deputing the candidates for such training. The Commission further desired that confirmation may be obtained from the State Government regarding sharing of the expenditure on the project and also continuance of it after the Commission's assistance ceases.

Item No.17: To consider the proposal of the Meerut University for assistance towards the development of a University Library.

The Commission accepted the proposal of the Meerut University for the construction of the library building at an estimated cost of Rs. 8 lakhs including furniture and fittings on the usual sharing basis. With regard to the proposal for books and journals and the staff the Commission desired that this may be examined at a later stage.

Item No.18: To consider a proposal from the University of Mysore for approval of certain projects pending consideration of the Report of the Visiting Committee for the IV Plan.

In view of the decision taken under Item 12 this was withdrawn.

Item No.19: To consider a proposal from the Patna University for assistance towards projects to be undertaken in connection with the Golden Jubilee Celebrations of the University.

The Commission agreed to a grant not exceeding Rs.10 lakhs to be paid to the Patna University in connection with the Golden Jubilee Celebrations of the University. The grant should be utilized on schemes to be approved by the Commission.

Item No.20: To consider the proposal received from the Poona University for conversion of the post of a Reader in Economics, approved by the Commission under the Third Plan Development Schemes to that of a Professor.

The Commission accepted the proposal of the Poona University for conversion of the post of a Reader in Economics to that of a Professor under the Third Plan Development Schemes. The Commission's assistance for this would be for the same duration for which it was agreed to in the case of the post of the Reader and would be a charge on the Fourth Plan allocation of the University.

Item No.21: To consider the question of applicability of the revised scales for teachers to retired personnel.

It was agreed that further information may be obtained and the matter brought up before the Commission at a later date.

Item No.22: To consider the question of the basis of assistance for non-recurring expenditure in respect of B.Sc.(General) Group -B Course in the Delhi Colleges.

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

Item No.23: To consider the question of minimum qualification prescribed by the Delhi University for admission to the Correspondence Courses for the B.A.(Pass) Degree.

The Commission noted that the University had since decided that the conditions for eligibility to join the Correspondence Courses in 1967 will be the same as in the previous years. The Commission felt that, as at present, all candidates who have passed the higher secondary or equivalent examination be considered eligible for joining the correspondence courses.

Item No.24: To consider participation of universities in India in the 10th Commonwealth Universities Congress to be held at Sydney (Australia) in 1968.

The Commission felt that it was important to arrange for adequate participation by Indian Universities in the 10th Commonwealth Universities Congress. It was noted that the Inter-University Board had taken up the matter with the Government of India.

Item No.25: To consider the allocation of unassigned grants to newly established universities.

The Commission was of the view that, in general, "unassigned grants" be allocated to Universities after five years of their establishment.

Item No.26: To consider further the amendment of regulation relating to recognition of colleges under Section 2(f) of the U.G.C. Act, 1956.

The Commission agreed that the two questions relating to the amendment of the regulations be dealt with separately and that the Ministry of Education be requested to amend the regulations so as to provide for the inclusion of colleges which provide for instruction for the diploma courses of not less than one year after the first (Bachelor) degree. With regard to the other proposal regarding the need for a college to have a separate legal entity as a corporation or a registered society or a trust, the Commission desired that this may be discussed further with the Government of India, and also that information be obtained as to the practice followed by the State Government in regard to giving assistance or grants to the colleges.



Item No.27: To consider the recommendations of the Standing Advisory Committee on Area Studies.

(i) The Commission accepted in principle the proposal of the U.S. Educational Foundation for the development of programmes in American Studies at the Universities of Bombay, Delhi and Jadavpur, but indicated that UGC will not be in a position to assist in the continuation of the scheme after assistance from the U.S.E.F. ceases.

(ii) The Commission regretted its inability to assist the Jadavpur University to conduct a Seminar on the problems and prospects of regional cooperation among South-East Asian countries.

(iii) The Commission also could not accept the proposal of Delhi University for assistance to enable the students of the African Studies Department to go out of India for field work.

Item No.28: To consider if the committed expenditure for the establishment of postgraduate institutes of Basic Medical Sciences at 4 University Centres of Calcutta, Panjab, Madras and Bombay are to be met outside the allocation for the development of higher education and research in Sciences and Humanities during the Fourth Five Year Plan.

The Commission desired that the assistance to the universities for Basic Medical Sciences, if any, would be provided from within the total plan allocation that may be made by the U.G.C. for the individual university.

Item No.29: To consider the question of extension of the Text Book Library Scheme to cover colleges with enrolment of less than 500 students.

The Commission agreed in principle that the textbook Library scheme may be extended to cover all colleges (other than professional colleges) covered by Section 2(f) of the UGC Act. The Commission attached greatest importance to the strengthening of university and college libraries and in this connection Dr. D.C.Pavate agreed to prepare a note for the consideration of the Commission.

Item No.30: To consider the period for which assistance may be given to the universities towards staff appointed under the General Education Scheme.

The Commission agreed that assistance to the universities to appoint staff for general education be given on the same basis as for the posts created under the development schemes during the Third Plan.

Item No.31: To consider the question of permitting the State Universities and the Institutions deemed to be universities to give advance increments to teachers on their first appointment against approved posts.

The Commission agreed that the Indian School of International Studies may give higher initial start to the staff upto a maximum

of 5 increments without reference to the UGC as was being done for the posts created under the normal budget. The Commission further agreed that the same procedure be followed for the posts created under the development schemes of State universities also. In cases where more than 5 increments were to be sanctioned at the time of initial appointment, prior reference may be made to the UGC for concurrence.

Item No. 32: To consider the report of the Committee appointed by the University Grants Commission to review the working of the 4-year integrated course for the training of Science and Mathematics Teachers at Sardar Patel University.

The Commission noted that additional funds are not being made available to the Commission for the 4-year integrated course for the training of Science and Mathematics teachers at Sardar Patel University. The Commission agreed that the scheme as originally sanctioned may continue in the Sardar Patel University for the current year and that this should not be extended to any other university. The hostel construction should form a part of the Fourth Plan allocation. The Commission further decided that it may be ascertained from the State Government of Gujarat whether they would agree to bear the maintenance expenditure of the Sardar Patel University after the UGC's assistance was over.

It was further decided that a Committee, as recommended in the report under reference, be appointed to review and assess the working of the scheme of 4-year integrated course operating in four of the Regional Colleges of Education and in the University of Kurukshetra and in Sardar Patel University.

Item No. 33: To consider the proposal of the Bharatiya Vidya Bhawan for financial assistance for organising a Camp for the Universities for an intensive study of the problem of ethical and spiritual values as the basis of national integration.

The Commission regretted its inability to give financial assistance to Bharatiya Vidya Bhawan for organising a camp for the universities for an intensive study of the problem of ethical and spiritual values as the basis of national integration.

Item No. 34: To consider the following proposals received from the Ministry of Education :

- (a) Starting diploma courses in Sanskrit for university students.
- (b) Taking over of the scheme of preparation of a Historical Grammar of Hindi Language and Literature by the Central Hindi Directorate.
- (c) Payment of direct subsidy to college students for purchasing text books.

(d) Recognition of Associateship of Documentation Research and Training Centre as equivalent to the Degree of Master of Library Science.

(a) The Commission accepted the proposal of the Ministry of Education to institute diploma courses in Sanskrit but regretted its inability to provide funds for the same unless additional funds specifically earmarked for the scheme are made available by the Government of India.

(b) In view of the fact that the Central Hindi Directorate was unable to take over the scheme of preparation of a Historical Grammar of Hindi Language and Literature at present being run by the Banaras Hindu University, the Commission agreed to the continuance of the scheme till the end of the current year and desired that the university be requested to integrate the scheme with the work of the Department of Hindi of the University with effect from the year 1968 and that for examining the matter a joint committee of the UGC and the University be appointed.

(c) The Commission welcomed the proposal as making a modest beginning in a field vital to improvement of higher education. The Commission felt that the operational details of the scheme (value of assistance, its coverage etc.) may be left to the UGC which will appoint a special committee for the purpose with representatives of Education Ministry on the Committee. It is requested that funds be made immediately available to the UGC so that the scheme may be implemented from this year.

(d) The Commission considered the reference from the Ministry of Education for recognition of associateships of Documentation Research and Training Centre at Bangalore as equivalent to the degree of master of Library Science and agreed with the opinion expressed by the Inter-University Board at their meeting on 20th February, 1967.

Item No.35: To consider a proposal of the Government of Andhra Pradesh regarding extension of the benefit of the salary revision scheme to the temporary teachers in Government Colleges.

The Commission accepted the proposal of the Government of Andhra Pradesh for extending the benefit of the scheme of salary revision to the temporary teachers in Government Colleges.

Item No.36: To consider further the proposal from the State Government of West Bengal for development of the Post-graduate Research and Training Department of the Sanskrit College, Calcutta into an Indological Institute with the status of a 'deemed university' under U.G.C. Act.

The Commission considered the proposal from the Government of West Bengal for the development of the post-graduate Research and Training Department of Sanskrit College at Calcutta into an Indological Institute with the status of a "deemed university" under the UGC Act and desired that the Calcutta University may be required to consider if the Department could not be developed within the existing facilities of the University.

Minutes of the UGC Meeting held on 5 July 1967

Item No.38 may please be read as follows:

" The Commission fully agreed that, whereas Indian Universities and Institutions should not make contacts with Universities, Institutions or other official agencies in South Africa, it would be advisable to discuss with the External Affairs Ministry its further suggestion to apply the same ban on individual scholars in the matter of their corresponding with their counterparts on purely academic matters. This would neither be practicable nor desirable considering that a scholar in India might understandably wish to correspond with a scholar in South Africa and vice versa on subjects of common study and research and enquiries relating thereto, and such intellectual traffic should not be stopped.

2. " It would be desirable also to discuss with that Ministry how best it could assist Indian Universities and other Institutions in promoting studies by its teachers and research scholars in current foreign affairs, it being the view of the Commission that they should be encouraged and provided with facilities to engage in the study of current affairs and produce papers of a high standard for publication or circulation. Such a standard in the study of any aspect of contemporary foreign affairs would be unattainable without assistance by the Ministry of External Affairs in providing access to relevant and necessary documentation which it may select for the purpose in its own discretion."

Item No.37: To consider a proposal of the State Government of Bihar for the establishment of Mithila University by reorganising the existing K.S. Darbhanga Sanskrit Vishwavidyalaya, Darbhanga.

The Commission desired that the proposal of the Bihar Government be referred to the Committee on New Universities for examination.

Item No.38: To consider a reference from the Government of India, Ministry of External Affairs, with regard to relations with organisations in South Africa.

The Commission agreed that whereas Indian Universities and Institutions should have no contacts with institutions or universities in South Africa, to suggest a total ban on individual scholars to correspond with their counterparts on purely academic matters is neither desirable nor feasible. It was suggested that the matter may be discussed informally with External Affairs Ministry.

The Commission was also of the view that the External Affairs Ministry should make available all such resource material as is not considered classified so that university men could take interest in them, particularly in the field of Political Science and International Relations.

Item No.39: To consider the recommendations made at the meeting of the Scientists and Members of the Institute of Industrial Engineers convened by the Planning Commission.

The Commission desired that the recommendations made in the meeting of the Scientists and Members of the Institute of Industrial Engineers convened by the Planning Commission be circulated to the Universities for information.

Item No.40: To consider the recommendations of the A.I.C.T.E. regarding additional requirements of the Civil Engineering Department of the Roorkee University.

The Commission accepted the recommendations of the AICTE regarding additional requirements of the Civil Engineering Department of the Roorkee University and sanctioned a non-recurring grant of Rs.4,21,400/- and a recurring expenditure of Rs.16,700/- per annum on the usual sharing basis.

Item No.41: To consider a proposal from the India International Centre, New Delhi, for organising a Seminar on Library Architecture and its role to be held during August-September, 1967 for a period of five days.

This was withdrawn.

Item No.42: To consider the request of the Indian School of International Studies for an additional grant of Rs.2,500/- for organising the Seminar on Asian States and International Law.

The Commission regretted its inability to provide additional

grant of Rs.2,500/- to the Indian School of International Studies for organising the Seminar on Asian States and International Law.

Item No.43: To consider proposals received from the Universities of Osmania, Banaras, I.S.I.S. New Delhi and Delhi regarding appointments under the scheme of 'Utilization of services of retired teachers'.

The Commission desired that the proposals received from the Universities of Osmania, Banaras, Delhi and the Indian School of International Studies, regarding appointment under the scheme of utilization of services of retired teachers may be referred to the selection committee appointed for the purpose.

Item No.44: To consider further the establishment of post-graduate Centres in Universities.

The Commission agreed in principle to the establishment of post-graduate centres in the Universities of Andhra, Osmania, Sri Venkateswara Mysore and Panjab, provided that adequate assistance is provided by the State Governments to achieve adequate standards. The U.G.C., in view of the limited funds likely to be available, will not be in a position to provide assistance exceeding Rs.20 lakhs for each of such centres. The Universities may be requested to revise the proposals keeping in view the amount likely to be made available from the Commission and the requirements may also be examined by the Commission's committee on post-graduate centres.

Item No.45: To consider a proposal for the purchase of a new Ambassador Mark II Staff Car for the Commission in place of the existing staff car No.DLF-3880.

This was accepted.

Item No.46: To consider certain establishment matters of the University Grants Commission;

(a) Representations received regarding seniority;

(b) Recommendations of the selection committee regarding recruitment to the post of Development Officer and Education Officers.

(c) Appointment to the post of Secretary, U.G.C.

(a) This was noted.

(b) The Commission accepted the recommendations made by the selection committee regarding recruitment to the posts of Development Officer and Education Officers as per Appendix III.\*

(c) (A separate minute has been recorded).

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\* Not enclosed.

Item No. 47: To note the date and place for the next meeting of the Commission.

It was noted that the next meeting of the Commission will be held on 2nd August, 1967.

Item No. 48: To receive a report on the appointment of an informal Committee in respect of the Cultural Exchange Programme between India and Hungary.

This was noted.

Item No. 49: To receive a report made by Prof. A. Gritzaenko, Unesco Consultant to the Department of Geophysics, Osmania University, Hyderabad.

This was noted.

Item No. 50: To receive a note regarding some difficulties pointed out by the Indian students in U.S.S.R. to the Indian Delegation in connection with the Soviet Scholarships Scheme.

The Commission desired that the difficulties experienced by the Government scholars in the U.S.S.R., as mentioned in the note, may be brought to the notice of the Central Government. The Central Government may also be requested to assign more seats to the UGC under the scheme.

Item No. 51: To consider the following proposals received from the Delhi University :

(a) Provision of Senior Grade Lecturers in the Evening Colleges of the University.

(b) Instituting B.Sc.(General) Group 'B' Course in the Hindu College and Kirori Mal College with effect from the academic year 1967-68.

(c) Additional staff and accommodation for the Department of Chemistry for increased admissions to the M.Sc. Course.

(a) The Commission regretted its inability to accept the proposal of the Delhi University for provision of Senior Grade Lecturers in the Evening Colleges of the University.

(b) The Commission agreed that the Hindu College and the Kirori Mal College be assisted on the same basis for introducing B.Sc. Group 'B' as for other colleges having pre-medical classes and permitted to start ~~evening courses~~ for B.Sc.(General) Group 'B' Course.

(c) The Commission desired that the University be requested to accommodate the expenditure required for additional staff and accommodation required for the Department of Chemistry for increased admissions within the Fourth Plan allocation that may be provided for the University.

Item No. 52: To consider the proposal of the Department of Botany of the University of Allahabad, Allahabad.

The Commission regretted its inability to give special grant to the Department of Botany, University of Allahabad. The Commission desired that the University may consider meeting the requirements within the Fourth Plan allocations of the University.

Item No. 53: To consider the proposal of the Mysore University regarding revision of the salary scales of its teachers as per III Plan scales of pay w.e.f. 1.4.1962 instead of 1.4.1964.

The Commission accepted the proposal of the Mysore University for revision of scales of pay with effect from 1.4.1962 instead of 1.4.1964.

Item No. 54: To consider a proposal from Prof. P.N. Mehra, Head of the Department of Botany, Panjab University for the establishment of a special cell to promote researches in Botany in one of the colleges of Shillong.

The Commission accepted the proposal of the Panjab University for the establishment of a special cell to promote researches in Botany in one of the colleges in Shillong. The Commission was, however, of the view that the cell should be established in one of the colleges under the general supervision of the Head of the Botany Department of the Panjab University. The Commission further desired that a beginning may be made with the appointment of one Reader and two Research Assistants in the College at Shillong for a period of three years in the first instance. The Commission further desired that the requirements of the cell and other charges on this account be examined.

Item No. 55: To consider the proposal of the Rajasthan University for additional posts for Humanities, Social Sciences and Science subjects.

This was withdrawn.

Item No. 56: To consider the proposal of Maharashtra Udayagiri Mahavidyalaya, Udgir (Marathwada University) for the construction of a library and laboratory building.

The Commission accepted the proposal of Maharashtra Udayagiri Mahavidyalaya, Udgir (Marathwada University) for the construction of a library and laboratory building at a cost of Rs. 2.24 lakhs, the Commission's share being limited to Rs. 1.49 lakhs.

Item No. 57: To consider a reference from the National Council for Science Education regarding the programme of improvement of Syllabi in the colleges affiliated to Meerut University, received from Dr. R.K. Singh, Vice-Chancellor, Meerut University.

The Commission desired that the NCSE may be requested to examine



the scheme as also the possibility of including it amongst the scheme sponsored by the Council. The University may also be requested to intimate the contribution it would make if the scheme is accepted by the Commission.

Item No.58: Acceptance of audited statement of accounts and utilisation certificates issued by the Government departmental auditors in respect of grants-in-aid paid by the UGC to Government and affiliated colleges - relaxation of the usual procedure.

The Commission accepted the proposal regarding the issue of utilisation certificates on the basis of the audited statements issued by the Government departmental auditors in respect of the grants paid to the colleges provided this was acceptable to the Government of India.

Item No.59: To consider a proposal of the Banaras Hindu University for additional quarters for Class IV employees of the University.

The Commission accepted in principle the proposal of the Banaras Hindu University for the construction of Staff Quarters for Class IV staff and desired that the University may consider the possibility of providing this within the Fourth Plan allocation now being agreed for the University.

Item No.60: To consider the following proposals received from the Delhi University :-

- (a) Starting a two-year Diploma Course in Serbo-Croatian Language and Yugoslav Literature in the Department of Modern European Languages from the academic year 1967-68.
- (b) Assistance from Ford Foundation for the development of the University and Departmental Libraries.

(a) The Commission accepted in principle the proposal of the Delhi University for starting a 2-year diploma course in Serbo-Croatian Language and Yugoslav Literature in the Department of Modern European Languages with effect from the academic year 1967-68.

(b) The Commission suggested that this may be referred to a committee in the first instance. It was also agreed that the committee may be requested to consider the question of continuance or otherwise of the Planning Unit of the Delhi University.

Item No.61: To consider further the question of deeming the Rural Institutes at Gandhigram and Coimbatore as Universities under Section 3 of the U.G.C. Act.

Consideration of this was postponed to the next meeting.

Sd/-

(K.L.Joshi)  
SECRETARY

Sd/-

(D.S.KOTHARI)  
CHAIRMAN

UNIVERSITY GRANTS COMMISSION

Meeting:

5th July 1967

Item 2(a) - To approve the action taken on certain matters

- (1) Sanction of grants to affiliated colleges for the development of Postgraduate studies in Humanities and Social Sciences during the Fourth Five Year Plan period.

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The Commission vide resolution No. 16(A) dated the 5th May, 1966 approved the pattern of financial assistance for the development of Postgraduate studies in Humanities and Social Sciences and agreed to assist affiliated colleges for the purpose subject to a limit of Rs. 1.00 lakh during the Fourth Plan period.

In pursuance of the above decision, approval 'in principle' was conveyed to the S.R.K. (Postgraduate) college, Firozabad in respect of the following items:-

Purpose	Estimated expenditure	Commission's share	Basis
(i) Building (class rooms)	36,000	18,000	50:50
(ii) Books and journals	24,000	18,000	75:25
Total :	60,000	36,000	

This was reported to the Commission under item 2(a) of the Commission's meeting dated 1st February 1967.

A further expenditure of Rs. 3,600/-, being 10% of the cost of building (class rooms) has been approved for furniture for the building of the college on the usual sharing basis of 50%; the Commission's share being Rs. 1,800/-.

- (2) Sanction of grants to affiliated colleges for the development of Postgraduate studies in Humanities and Social Sciences during the Fourth Plan period

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The Commission vide resolution No. 16(a) dated 5th May, 1966 approved the pattern of financial assistance for the development of Postgraduate studies in Humanities and Social Sciences and agreed to assist the affiliated colleges for the purpose, subject to a limit of Rs. 1.00 lakh during the Fourth Plan period.

p.t.o.

In pursuance of the above decision of the Commission, the proposals of the following colleges for the development of Postgraduate studies in the Humanities and Social Science have been approved:-

University/ College	Item approved	Estimated cost	Commission's share	Basiss
1	2	3	4	5
<u>Agra University</u>				
1. Agra College, Agra	Books & journals	60,000	45,000	75:25
<u>Gujarat University</u>				
1. Shah N.H. Commerce College and Shri N.K.M. Arts College, Bulsar.	Books & journals	20,000	15,000	75:25
<u>Kanpur University</u>				
1. D.V. College, Crai	Books & journals	25,000	18,750	75:25
<u>Kerala University</u>				
1. F.M.N. College, Quilon	Books & journals	15,000	11,250	75:25
<u>Madurai University</u>				
1. V.O.C. (i) Teacher's (ii) College, Tuticorin.	Furniture Books & journals	1,200 8,300	600 6,225	50:50 75:25
		<u>9,500</u>	<u>6,825</u>	

(3) Rajasthan University - Research Unit in Para-Psychology - continuance of the scheme upto 31.3.1968.

The Commission at its meeting held on 7.10.1964 sanctioned the payment of the following grants for the establishment of a Research Unit in Para-Psychology at the University of Rajasthan (Res.No. 36 dated 7.10.1964):

Particulars	Estimated expenditure	Share of the UCC
1	2	3
(a) <u>Recurring</u> Staff travelling expenses, providing stationery contin- gencies etc.	Rs. 89,800	Rs. 44,900

1	2	3
<b>(b) <u>Non-recurring</u></b>		
i) Books & Journals	Rs. 20,000	Rs. 20,000
ii) Laboratory Equipment	Rs. 20,000	Rs. 10,000
iii) Jeep, station wagon	Rs. 18,000	Rs. 9,000
	<u>Rs. 58,000</u>	<u>Rs. 39,000</u>

On receipt of a letter from Prof. Ian Stevenson of the School of Medicine, Department of Neurology and Psychiatry, University of Virginia, U.S.A., it was considered necessary to withhold payment of further grant to the university on this account. This was reported to and considered by the Commission at its meeting held on 7th September, 1966. Subsequently this matter was discussed with the Vice-Chancellor, Rajasthan University and it was decided that the assistance of the Commission, which was available upto 31st March, 1967 may be extended upto 31st March, 1968 on the present basis pending the decision of the Commission on the report of the Fourth Plan Visiting Committee.

- (4) Proposal of the Delhi University for assistance towards the publication of 'The Journal of University Education' under the General Education Scheme

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The Commission, at its meeting held on 4th August 1965, agreed to the payment of a grant of Rs. 10,000/- (Resolution 18) to the Delhi University for the publication of "The Journal of University Education" under the General Education Scheme on condition that the Journal would be run and published by the Delhi University. The Delhi University has reported that it has nothing to do with the publication of the Journal nor was the university concerned at any stage with its publication and, therefore, the question of acceptance of the grant of Rs. 10,000/- does not arise. The sanction of the Commission has therefore been withdrawn and the university informed accordingly.

- (5) Proposal for the purchase of equipment for the Department of Human Geography during Fourth Plan - Delhi University.

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Pending the decision of the Commission on the report of the Fourth Plan Visiting Committee of the Delhi University, a grant of Rs. 8,000/- has been sanctioned to the Delhi University towards the purchase of equipment for the Department of Human Geography on condition that this grant will be a charge on the Fourth Plan allocation to the University.

(6) Studies and Researches in Community Development,  
Cooperation and Panchayati Raj - Research Fellowships

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On the recommendation of the Sub-Committee of the Commission's Advisory Committee on Studies relating to Community Development, Cooperation and Panchayati Raj, a sum of Rs. 1 lakh of the general fund of Rs. 10 lakhs for studies in Community Development, etc., was earmarked for institution of 10 to 15 fellowships in these areas. This was reported to the Commission at its meeting held on October 5, 1966.

The sub-committee at its meeting held on 9th May, 1967 agreed that the principles and procedures followed by the Commission for the award of fellowships in Science, Humanities and Social Sciences may be followed for the award of fellowships in Community Development also. The committee considered 15 applications received from students of 9 universities and recommended the following three candidates for the award of fellowship.

S.No.	Name of the candidate and Centre of Research	Topic of Research	Name of the Supervisor	Qualifications	Remarks
1.	Shri M. Siddappa, Department of Economics, Bombay University	Problem of Rural Banks in India - Provision of Agricultural Credit	Prof. M.L. Dantwala, Professor of Agricultural Economics	B.Sc. 2nd class M.A. 2nd class	
2.	Shri P.N. Moosad, Deptt. of Cooperation and Applied Economics, Andhra University	Community Development Programme in Kerala - A study of its impact on the economy	Prof. G. Parathesari, Head of the Deptt. of Applied Economics, Andhra University	B.A.(Hons) 2nd class M.A. by influx of time	The conditions of the award may be fully explained to the candidate and his acceptance obtained.
3.	Shri Tej Bahadur, Deptt. of Economics, Allahabad University.	Community Development programme in Allahabad and Pratapgarh Distt. of U.P.	Dr. P.D. Hajela Reader in Economics, Allahabad University	B.A. 1st class M.A. 2nd class	

(7) Development of Teacher Education at Secondary level during the Fourth Five Year Plan under the U.G.C. Programme.

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The Commission at its meeting held on 5th October, 1966 noted that the Ministry of Education had agreed that the work relating to Teachers' Education Programme was to be transferred to the U.G.C. along with the additional funds provided for the scheme in the Fourth Five-Year Plan estimated to be about Rs. 3 crores (Resolution No. 42). The Commission desired that a Committee be appointed to work out the details of the scheme. Accordingly, a Standing Committee on Teacher

Education was appointed. The report of this Committee is attached (Annexure I).

The Ministry of Education was requested to intimate the exact amount likely to be provided during the Fourth Plan for the scheme and also the amount that would be available during the current year i.e. 1967-68 and the following year.

The Ministry of Education has now stated that the proposed outlay of Rs. 40 lakhs for the scheme of Improvement of Teacher Training at Secondary stage was not accepted by the Ministry of Finance and that there is no budget provision for this scheme for 1967-68.

In the absence of provision of funds in 1967-68, the various programmes suggested by the Standing Committee cannot be implemented.

The matter is reported to the Commission.

- (8) Continuation of the scheme of publication of Critical Edition of Valmiki Ramayana during the Fourth Plan period - M.S. University of Baroda
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During the Third Plan period, the Commission sanctioned a grant of Rs. 4,54,700, being 2/3rd of the estimated expenditure of Rs. 6,82,150/- towards the publication of critical edition of Valmiki Ramayana by the M.S. University of Baroda. The assistance of the Commission was available upto 31.3.1967.

Pending consideration of the report of the Visiting Committee, which assessed the Fourth Plan requirements of the University, the period of assistance has been extended upto 31st December, 1967 on the existing basis and on condition that expenditure to be incurred for the period from 1.4.1967 to 31.12.1967 on the implementation of the scheme would be a charge on the Fourth Plan allocation of the University.

- (9) Revision of the pay of part-time lecturers at the Indian School of International Studies from Rs. 200 to Rs. 300 per month.
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The pay of part-time lecturers at the Indian School of International Studies approved under the Third Plan Development Schemes was Rs. 200/- per month. As the Commission has agreed to a salary of Rs. 300/- per month for part-time lecturers in Delhi University and its constituent colleges, the proposal of the School to raise the pay of part-time lecturers from Rs. 200 to Rs. 300 per month has been accepted.

- (10) Indian School of International Studies - Extension of tenure of visiting Professor in European Affairs (Dr. Girija K. Mookherjee) upto 29.2.1968.
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During the third plan period, the Commission sanctioned, on the recommendation of the Visiting Committee, the post of a Visiting Professor in European Affairs at the Indian School of International Studies, New Delhi. The School appointed Dr. Girija K. Mookherjee

against this post for a period of 3 years with effect from 18th July, 1964 in accordance with the procedure prescribed for appointment of Indian Visiting Professors.

The School desired to retain the services of Dr. Mookherjee for a further period of 8 months beyond his three-year tenure i.e. upto 29.2.1968.

As the Commission's assistance in respect of the Third Plan development posts of the School is available upto 31.3.1968, the proposal of the School to extend the term of Dr. Mookherjee upto 29th February, 1968 has been accepted.

(11) Development of Community Development, Cooperation and Panchayati Raj - Research Projects

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On the recommendation of the Commission's Advisory Committee on studies relating to Community Development, Co-operation and Panchayati Raj, a sum of Rs. 6.5 lakhs was earmarked for research programme in the field of Community Development etc., out of the general fund of Rs. 10 lakhs available for the purpose. Of this amount a sum of Rs. 2,21,480/- has already been approved for the continuation of survey research projects at Panjab, Lucknow and Rajasthan Universities and towards a research project in Community Development at Karnatak University. This was reported to the Commission at its meeting held in February, 1967. The balance available under this head was Rs. 4,28,520/-.

The sub-committee of the Advisory Committee, at its meeting held on 3rd March, 1967, considered the research projects of 31 universities and recommended that financial assistance be given for the following projects:

	<u>Estimated Cost</u>
1. <u>Sardar Patel University</u>	
Integration of district dairy cooperatives in Gujarat.	Rs. 30,000/-
2. <u>Panjab University</u>	
Structural factors in rural development	Rs. 20,000/-
3. <u>Jodhpur University</u>	
An enquiry into the suitability of the "two tier cooperative structure" to revise the existing three tier structure	Rs. 8,000/-
4. <u>Andhra University</u>	
An enquiry into the programme of the block in relation to regional variations	Rs. 20,000/-
5. <u>Gujarat University</u>	
A study of the official and non-official attitude towards Panchayati Raj (with special reference to Gujarat State)	Rs. 4,100/-

6. Mysore University

Impact of CD programme on two Mysore Villages Es. 20,000/-

7. Jammu & Kashmir University

Community development and agricultural growth in Jammu & Kashmir State Es. 20,000/-

Total: Es. 1,22,100/-

(12) Electric Installations for the Stack Rooms of the University Library - Banaras Hindu University

In February 1961, the University Grants Commission approved the plans and estimates for the expansion of the Banaras Hindu University Library building at an estimated cost of Es. 2,03,000/-. In addition to this, a provision for 64 research rooms in the library building was made at a cost of Es. 54,050/-. Later, the estimates for the expansion of library building including research rooms were revised to Es. 2,76,520/- due to increase in the rates of raw materials, higher tendered cost etc.

In January, 1967 the University sent detailed estimates for electrical installations in the Library stack rooms for Es. 40,500/- against Es. 14,858/- provided for internal electrification, including fans and external services, in the original estimates.

The revised cost of Es. 40,500/- has been approved on the basis of the detailed scrutiny by the C.P.W.D.

(13) Proceedings of the meeting of the Committee appointed by the Commission to discuss promotion of channels of academic communication between hill areas and other parts of the country.

The University Grants Commission appointed a Committee to discuss measures for promoting channels of academic communication between the hill areas of North Eastern India and other parts of the country. The Committee met on 18th May, 1967. The proceedings of the meeting of the Committee are attached (Annexure I).

(14) Aligarh Muslim University - Additional expenditure on extension to Botany Department Building

During the Third Five Year Plan, an expenditure of Es. 1,25,000/- was approved for the construction of an extension (over a plinth area of 5000 sq.ft.) to Botany Department building, Aligarh Muslim University. In March, 1964 plans and estimate for the extension building over an area of 5567 sq.ft. at an estimated cost of Es. 1,23,000/- as certified by the C.P.W.D. were accepted. Later the University revised the plans making some structural changes without affecting the area. This was agreed to. In October, 1966 the University submitted details of expenditure actually incurred on the said building amounting to Es. 1,43,975/- and requested for the sanction of the extra expenditure of Es. 18,975/-.



The proposal was accepted and sanction conveyed to Aligarh Muslim University vide letter No. F. 21-5/63(S) dated 25.5.1967.

- (15) Utkal University - Grant in aid for the purchase of equipment and library books and journals for starting Post-graduate Departments of Physics and Chemistry from the session 1967-68

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The Commission, at its meeting held on 1st February 1967 (Res. No. 20), approved the proposal of the Utkal University for starting the Post-graduate Courses in Physics and Chemistry from the session 1967-68 and agreed to the creation of posts of one professor and two lecturers for each of these departments. The arrangements for recruiting the necessary staff having been made, the Utkal University requested for sanction of non-recurring grants of Rs. 2,00,000/- (Rs. 1,00,000 for each) and Rs. 50,000/- (i.e. Rs. 25,000/- for each) for purchase of essential equipments and library books and journals respectively for the Departments of Physics and Chemistry to enable the University to start these courses from July, 1967.

The proposal of the Utkal University was accepted and sanction was accorded to grants of Rs. 2,00,000/- and Rs. 50,000/- for the purchase of equipment, Books and Journals respectively for the Departments of Physics and Chemistry, subject to the condition that these grants would be adjusted against the Fourth Plan allocation of the University.

- (16) Burdwan University - Sanction of additional posts in the Department of Physics and Mathematics

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The Burdwan University submitted a proposal for the immediate creation of posts of 1 Reader and 1 Lecturer each for the departments of Physics and Mathematics to meet their urgent needs.

The proposal of the University for the creation of 1 Reader and 1 Lecturer each for the Departments of Physics and Mathematics was accepted subject to the condition that the additional posts will be adjusted against the Fourth Plan development needs of the University as assessed by the Visiting Committee and the expenditure will be met out of the Fourth Plan allocation.

- (17) Marathwada University - construction of building for the Department of Mathematics - Third Plan Scheme - Approval of plans and estimates

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The Commission on the recommendations of Third Plan Visiting Committee approved of the construction of a building with a built up area of 7000 sq.ft. for the Department of Mathematics, Marathwada University at a total estimated cost of Rs. 1,90,000/- on 100% basis, inclusive of services, lab. fittings and furniture etc.

In May 1965, the university submitted plans and estimates amounting to Rs. 1,35,691/- for the construction of civil works part only for the Mathematics building duly supported by the State P.W.D. Rate certificate. The acceptance of the Commission to the plans and estimates was conveyed to the university in July, 1965. In April 1966, the university furnished Tender information together with a Tender Premium Certificate

from the State P.W.D. according to which the estimated cost of the construction of civil works part of the Mathematics Building had raised to Rs.1,50,221.90 P. The University submitted estimates for services, lab. fittings and furniture at Rs.97,355.10 for the Mathematics Department Building. The estimates for services and furniture only have been accepted at a total cost of Rs.67,223.10 P being 44½% of civil works cost (i.e. Rs.1,50,221.90) generally accepted by the Commission, thus raising the total cost of the project from Rs.1,90,000/- to Rs.1,17,445/-. Accordingly, approval to an additional expenditure of Rs.27,445/- on 100% basis has been conveyed to the Marathwada University for the construction of the Mathematics building.

Since the Department was an existing one, the Commission in pursuance of the pattern of assistance adopted during the Third Five Year Plan for research/development of post-graduate facilities agreed to give the building grant to Marathwada University for Mathematics Deptt. on 100% basis.

- (18) Marathwada University - Construction of building  
for the Department of Botany - Third Five Year Plan Scheme.

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The Commission on the recommendations of the Third Plan Visiting Committee approved of the construction of a building with a built up area of 14,000 sq.ft. for the Department of Botany, Marathwada University at a total estimated cost of Rs.3,70,000/- (UGC share at 50% being Rs.1,85,000/-) inclusive of services, lab. fittings and furniture etc. as per pattern of assistance adopted by the UGC for the establishment of new post-graduate/under graduate departments during III plan.

In July, 1965 the University submitted State P.W.D. Rate conformity Certificate in respect of the estimates amounting to Rs.3,09,579.50 for the construction of the civil works part only of the Botany department building. However, the cost of the lowest tender accepted by the university for the civil works part only amounted to Rs.3,09,209/-. The university in Feb.1967 submitted estimates for services, lab. fittings and furniture amounting to Rs.2,02,791/-. The estimates for services, lab. fittings and furniture have been accepted at a total cost of Rs.1,58,745/- being 49½% of civil works cost (i.e. of Rs.3,09,209/-) generally accepted by the Commission, thus raising the total cost of the project from Rs.3,70,000/- to Rs.4,67,954. Accordingly, approval to an additional expenditure of Rs.97,954/- (UGC share at 50% being Rs.48,977/-) has been conveyed to the Marathwada University for the construction of the Botany lab. building.

- (19) Saugar University - Additional grant for furniture and  
lab. fittings for the extension of the Chemistry Deptt.

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During the Third F.Y.P. the Commission accepted the proposal of the Saugar University for the construction of an extension to the department of Chemistry at an estimated cost of Rs.1,50,530/- (Commission's 2/3 share being Rs.1,00,353/- as per pattern of assistance adopted by UGC for development of post-graduate/under-graduate facilities during III Plan.

In April, 1967, on a request from the Saugar University, an additional Non-recurring grant of Rs.13,333/- (being 2/3 share of the estimated expenditure of Rs.20,000/-) was sanctioned for providing furniture and special lab. fittings for the aforesaid building, subject to the condition that the amount would be adjusted against the IVth Plan allocation of the University.

- (20) Saugar University - Furniture & fittings for the  
extension of the Botany department - additional grant.

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During the III F.Y.P. the Commission accepted the proposal of Saugar University for the construction of an extension to the Department of Botany at an estimated cost of Rs.1,00,502/- (Commission's 2/3 share being Rs.67,001/- as per pattern of assistance adopted by the UGC for development of post-graduate/under-graduate facilities during III plan).

from the State P.W.D. according to which the estimated cost of the construction of civil works part of the Mathematics Building had raised to Rs. 1,50,221.90 p. The university submitted estimates for services, lab. fittings and furniture at Rs. 97,355.10 p. for the Mathematics Department building. The estimates for services and furniture only have been accepted at a total cost of Rs. 67,223.10 p. being 44% of civil works cost (i.e. Rs. 1,50,221.90) generally accepted by the Commission, thus raising the total cost of the project from Rs. 1,90,000/- to Rs. 2,17,445/-. Accordingly, approval to an additional expenditure of Rs. 27,445/- on 100% basis has been conveyed to the Marathwada University for the construction of Mathematics building.

(18) Marathwada University - Construction of building for the Department of Botany - Third Plan Scheme

The Commission on the recommendations of <sup>the</sup> Third Plan Visiting Committee approved of the construction of a building with a built-up area of 14,000 sq.ft. for the Department of Botany, Marathwada University at a total estimated cost of Rs. 3,70,000/- (UGC share at 50% being Rs. 1,85,000/-) inclusive of services, lab. fittings and furniture etc.

In July, 1965 the university submitted State P.W.D. Rate conformity Certificate in respect of the estimates amounting to Rs. 3,09,579.50 p. for the construction of civil works part only of the Botany Department building. However, the cost of the lowest tender accepted by the university for the civil works part only amounted to Rs. 3,09,209/-. The university in February 1967 submitted estimates for services, lab. fittings and furniture amounting to Rs. 2,02,791/-. The estimates for services, lab. fittings and furniture have been accepted at a total cost of Rs. 1,58,745/- being 49% of civil works cost (i.e. of Rs. 3,09,209/-) generally accepted by the Commission, thus raising the total cost of the project from Rs. 3,70,000/- to Rs. 4,67,954/-. Accordingly, approval to an additional expenditure of Rs. 97,954/- (UGC share at 50% being Rs. 48,977/-) has been conveyed to the Marathwada University for the construction of the Botany Lab. building.

(19) Saugar University - Additional grant for furniture and lab. fittings for the undergraduate block of Chemistry Department.

During the Third Five Year Plan the Commission accepted the proposal of the Saugar University for the construction of an undergraduate block for the Department of Chemistry at an estimated cost of Rs. 1,50,530/- (Commission's 2/3rd share being Rs. 1,00,353/-).

In April, 1967, on a request from the Saugar University, an additional Non-recurring grant of Rs. 13,333/- (being 2/3rd share of the estimated expenditure of Rs. 20,000/-) was sanctioned for providing furniture and special lab. fittings for the aforesaid building, subject to the condition that the amount would be adjusted against the Fourth Plan allocation of the University.

(20) Saugar University - Furniture & fittings for the undergraduate block of the Botany Department - additional grant.

During the Third Five Year Plan the Commission accepted the proposal of Saugar University for the construction of an undergraduate block for the Department of Botany at an estimated cost of Rs. 1,00,502/- (Commission's 2/3rd share being Rs. 67,001/-).

- In May 1967, on a request from the Saugar University, an additional Non-recurring grant of Rs. 10,333/- (being 2/3rd of the estimated expenditure of Rs. 15,500/-) was sanctioned for providing furniture and special laboratory fittings for the Undergraduate block of the Botany Department, subject to the condition that the amount would be adjusted against Fourth Plan allocation of the University.

- (21) Delhi University - Sanction for the purchase of furniture, furnishings and fittings at the revised cost of Rs. 56,755.76 for the Extension to Zoology Block

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In August, 1966 the Commission had approved an expenditure of Rs. 53,150/- for purchase of furniture, furnishings and fittings to the Zoology Block which is nearing completion at the University of Delhi.. Subsequently the University informed that according to the tenders invited, the total cost of furniture required for the Zoology Block comes to Rs. 56,755.76 and requested Commission's approval to the increased cost. The additional expenditure involved i.e. Rs. 3,605.76 only, has been approved. The expenditure in this respect would be the first charge on Fourth Plan allocation of grants to the University of Delhi.

- (22) Delhi University - Sanction for the purchase of furniture, furnishings and fittings at an estimated cost of Rs. 47,730/- for the extension to Botany Block

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The University of Delhi submitted for approval a proposal for the purchase of furniture, furnishings and fittings at an estimated cost of Rs. 47,730/- required for extension to the Botany Block sanctioned by the Commission during the Third Plan and construction of which is nearing completion. The estimate which was within the provision of 20% of the building cost generally permissible, has been accepted. The expenditure in this respect would be the first charge on the Fourth Plan allocation of grants to the University of Delhi.

- (23) Delhi University - Acceptance to the construction of extension to the Botany Block at a revised estimated cost of Rs. 3,78,500/- instead of Rs. 3,08,300 earlier approved.

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During the Third Plan period the Commission sanctioned a non-recurring grant of Rs. 3,50,000/- for building in the Department of Botany, Delhi University and against this approved expenditure plans and estimates for the construction of extension to Botany Block, at an estimated cost of Rs. 3,08,000/-, were accepted in February, 1964. The University has now informed that due to rise in the cost of construction the estimated expenditure on the project would be Rs. 3,78,500/- as under:-

- |   |     |                 |   |
|---|-----|-----------------|---|
| 1. Building Portion   | Rs. | 2,95,000/-      |   |
| 2. <u>Services</u>  |     |                 |   |
| (a) Internal and external water supply, sanitary and drainage installations | Rs. | 27,000/-        |   |
| (b) Internal electric installations including cost of fans                  | Rs. | 30,399 (wiring) | ! |
|   | Rs. | 9,655 (Fans)    | ! |

3. External Services

Electric Service line Es. 10,420/-

4. Contingencies Es. 6,000/-

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Es. 3,78,474/-

or say: Es. 3,78,500/-

In view of the high cost of construction and special type of services required to be installed in the Botany Block, the proposal of the University of Delhi, the revised estimated cost of Es. 3,78,500/- has been accepted. The actual cost of construction will however be determined on the basis of completion certificates. The expenditure incurred after 1.4.1966 would be the first charge on the Fourth Plan allocations of grants to the University of Delhi.

(24) Delhi University - Acceptance to the Construction of Glass House in the Department of Botany at a revised cost of Es. 98,900/-.

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During the Third Plan period, the Commission sanctioned under development scheme a non-recurring grant of Es. 75,000/- for the construction of Glass House for the Department of Botany, Delhi University. Subsequently, pending consideration of the Fourth Plan proposals of the Department of Botany, the Commission approved a further grant of Es. 15,135.38 to cover the tendered cost of Es. 90,135.38 for this project.

The University has now informed that the anticipated expenditure on the construction of this project would be Es. 98,900/-, which may be approved. The excess expenditure is stated to be due to the payment to be made to DESU for laying a power feeder line from the remotely situated electric sub-station and to the higher tendered amount in respect of the structural work. In view of these circumstances, the proposal for the construction of the Glass House at a revised cost of Es. 98,900/- has been accepted. The expenditure incurred on the project after 1.4.1966 would be the first charge on Fourth Plan allocations of grants to the University of Delhi.

(25) Delhi University - Approval of a recurring expenditure of Es. 20,000/- p.a. (ceiling) for the institution of Master's Degree Course in Business Administration.

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The U.G.C. at its meeting held on 3.5.1967 (vide Item 51) agreed in principle to the institution of Master's Degree Course in Business Administration at the University of Delhi and desired that the University be requested to send the financial implications for starting the course.

The Delhi University intimated that the following additional staff would be required for implementing the scheme:-

1. Reader. 1  
(Es. 700-50-1250)

p.t.o.

2. Senior Technical Assistant - 2  
(Es. 210-425)
3. Gestetner Operator - 1  
(Es. 110-180)

Besides the above the University also estimated an expenditure of Es. 2,500/- for Case Collection and Stationery.

For the proposed staff etc., a ceiling recurring expenditure of Es. 20,000/- p.a. has therefore been approved for implementation after taking into account the income from fees and other sources.

(26) Guide-lines for operation of Summer Institutes  
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The University Grants Commission at its meeting held on 5th October 1966 (Item No. 52(c)) noted the guidelines prepared for operation of Summer Institutes and desired that the guidelines be further scrutinised. The guidelines have been revised in accordance with the resolution of the Commission and the comments offered by the directors of the Summer Institutes 1967 at the Orientation Seminar held on 3rd and 4th April 1967.

The maximum expenditure approved under various budget heads in the guidelines has been fixed as detailed below:-

	<u>Rupees - Ceiling</u>
(i) Secretarial and Class IV staff	1,500.00
(ii) Technical Staff	1,500.00
(iii) Field trip - Biology Institutes	1,500.00
Chemistry or Physics Institute	500.00
Mathematics Institute	nil
(iv) Laboratory & workshop materials, office - supplies, chemicals, postage, stationery etc.	4,000.00
(v) Special needs of books & equipment	2,500.00
(vi) Guest lecturers for college institutes only (for TA & DA & no honorarium)	1,500.00
(vii) Glass blowers & mechanics for college Physics Institutes only	500.00
(viii) Contingencies including hire charges for fans and cooling arrangements.	1,500.00

Requests for expenditure for follow-up activities and special equipment for the Institutes are to be considered individually, based on the merit of each case. Other provisions in respect of academic staff and support of participants remain unchanged.

p.t.o.

(27) Kirori Mal College, Delhi - Proposal for improvement of Play Ground

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The Commission at its meeting held on the 4th August 1965 (vide Item No. 2(a)45) approved the proposal of the Kirori Mal College, Delhi for draining off rain water in their playing fields to the storm-water drain of the Municipal Corporation, across the road, at an estimated cost of Rs. 60,000/- on a 50:50 basis. Subsequently the College informed the Commission that the Project in question could not be undertaken on account of certain technical difficulties. The College then sent a revised proposal for improvement of the Play-ground. In consultation with the C.P.W.D. the plans and estimates of the revised proposal have been accepted at Rs. 84,531/- on the usual sharing basis. A non-recurring grant not exceeding Rs. 42,265/- or 50% of the actual expenditure, whichever is less, will be paid to the College in respect of the revised project.

(28) Financial assistance to teachers in Universities and Colleges for research or learned work in Humanities, Social Sciences and Science subjects - first award during 1967-68.

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On the recommendation of the Selection Committee, (Appendix I) 271 teachers - 136 in Sciences and 135 in Humanities and Social Sciences have been selected for first award during 1967-68 under the scheme of 'financial assistance to teachers for research or learned work' and a grant of Rs. 2.428 lakhs has been sanctioned as per details given in Appendix II.

(29) Utilisation of services of retired teachers - Extension of award.

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On the recommendation of the University/College concerned the tenure of 24 teachers who are working under the scheme of utilisation of services of retired teachers has been extended up to the period indicated against their names in Appendix I.

(30) Senior research fellowships in Humanities - Dr. H.S. Harish - Extension in the tenure of award beyond three years.

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On the recommendations of the Supervisor and Head of the Department and the University, the tenure of Dr. H.S. Harish, a Senior Research Fellow in Hindi at Lucknow University has been extended beyond three years by six months w.e.f. 20.12.1966 to enable him to complete his research work.

(31) Junior Research Fellowships - Shri M.S. Prasad - Permission to receive leave salary during the tenure of fellowship award.

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On the recommendations of the Supervisor and the Universities concerned, Shri Mani Shankar Prasad, a Junior Research Fellow in Psychology at Patna University has been permitted to receive the leave salary admissible to him under the Bihar University rules during the tenure of his fellowship award. He has been granted study leave on half average pay for two years by the Bihar University to enable him to avail of the UGC fellowship.

(32) Research Scholarships in Science and Humanities including Social Sciences - Allocation to the Universities during 1967-68

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The University Grants Commission in its meeting on 5th May 1966 had decided to increase the number of Research Scholarships of the value of Rs. 250/- p.m. from 265 to 350. In pursuance of this, 320 scholarships have been allocated to 60 Universities during 1967-68 as per details given in Appendix I. 30 Scholarships have been kept in reserve for further allocation to the needy Universities.

(33) Acceptance of different items under the Cultural Exchange Programmes received from the Ministry of Education for implementation by the University Grants Commission during 1967-69.

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The following proposals which have been forwarded by the Ministry of Education for 1967-69 under the different items of the Cultural Exchange Programmes have been accepted for implementation by the Commission.

1. INDO-G.D.R. CULTURAL EXCHANGE PROGRAMME FOR 1967-69

- ITEM NO. 1 : G.D.R. will send and the Indian side will receive 8 scientists for a period of 3-4 weeks each for a lecture & study tour (against 8 places 2-3 places have been given to U.G.C.).
- ITEM NO. 2 : The Indian side will send and the G.D.R. side will receive 8 scientists for a study tour for 3-4 weeks (against 8 places 2-3 places have been given to U.G.C.).
- ITEM NO. 3 : G.D.R. side will send and Indian side will receive 5 young G.D.R. scientists for a period of 6-8 months for advanced studies (against 5 places 2 places have been given to U.G.C.).
- ITEM NO. 4 : Indian side will send and G.D.R. side will receive 5 young Indian scientists for advanced studies for a period of 6-8 months (against 5 places 2 places have been given to U.G.C.).
- ITEM NO. 28 Both sides will exchange publications on problems of education.

(34) INDO-U.A.R. CULTURAL EXCHANGE PROGRAMME FOR 1967-69  
(TENTATIVE)

1. The Indian side will send and the UAR side will receive University professors to work as visiting professors (One place for a period of 3-6 months has been given to U.G.C.).
2. U.A.R. side will send and the Indian side will receive University Professors to work as visiting professors (One place for a period of 3-6 months has been given to U.G.C.).



3. U.A.R. side will send and the Indian side will receive a University Professor to deliver lectures in Arabic Studies.

The Professor to be sent under Item 1 may be a University teacher interested in Modern Arabic/Archaeology/Egyptology. Professor under Item 2 will be an expert in the similar field and the Professor under Item 3 will help in the implementation of the Area Studies Programme.

In addition to the above, the U.A.R. side is to provide 10 scholarships for Indian students under Item 58 assigned to the Ministry of Education, out of which the Commission has proposed for the allotment of 2 places in order that junior teachers in Arabic may go for further specialisation to the UAR for a period of 1-2 years.

(35) INDO-HUNGARIAN CULTURAL EXCHANGE PROGRAMME FOR 1967-69

ITEM NO. 10 :

Indian side will send and the Hungarian side will receive 5 scholars each year for advanced training in Science and Technology. The training will be initially for 1 year extendable by another year (3 places have been given to U.G.C.).

ITEM NO. 13 :

Indian side will send and the Hungarian side will receive 3-4 professors/educationists each year to give lectures and develop scientific contacts. The total period will be of 16 months in all, depending on the period of visit of each professor. The Hungarian side will give an idea to the Indian side regarding the subjects in which they would like to have Indian professors/educationists.

ITEM NO. 14 :

Hungarian side will send and the Indian side will receive 3-4 professors/educationists each year to give lectures and develop scientific contacts, for a total period of 16 months. The Indian side will give an idea to the Hungarian side regarding the subjects in which they would like to have Hungarian professors/educationists.

ITEM NO. 22 :

Both parties shall promote the participation of the other Party's delegates at International scientific congresses and conferences held in their respective countries. During the validity of the present Exchange Programme both Parties shall receive 5 delegates for such meetings and cover their local expenses (the UCC has been allotted 2 places for 20 days in all, on reciprocal basis).

The Universities have been requested to make suitable nominations for participation of university and college teachers in the different Cultural Exchange programmes during the current year.

(36) Assistance to Colleges

The proposals of the following colleges for development grants have been approved in accordance with the normal rules.

S.No.	Name of the College	Purpose	Approved Cost	U.G.C. share
1	2	3	4	5
1.	M.K.P. College Dehra Dun (Meerut University)	Purchase of Science equipment, books & furniture	1,00,000	50,000
2.	Sh. Ramakrishna Sarda Vid.ya Mahapitha Hooghly (Calcutta University)	Purchase of Lab. Equipment and furniture	60,000	43,332
3.	Nav Gujarat Commerce and Law College, Ahmedabad (Gujarat University)	Purchase of books Purchase of furniture	40,000 10,000	30,000 6,600
4.	Town Degree College, Ballia (Gorakhpur University)	Hostel Building	1,73,400	86,700
5.	Shri Gandhi Arts and Science College, Balaji (Jiwaji University)	Purchase of Science Equipment.	50,000	37,500
6.	M.M. College of Arts and N.M. Instt. of Science, Andheri, Bombay	Construction of Lib. building.	2,28,765	78,333 (Balance available in the ceiling)
7.	Bhadrak College, Bhadrak (Utkal Univ.)	Purchase of books and equipment.	60,000	45,000
8.	Vihari Lal College for Home and Social Sciences, Calcutta	Construction of Women's Hostel	1,14,350	85,765
9.	J.M.J. College for Women, Tenali (Andhra University)	Construction of Women's Hostel.	2,40,750	1,50,000 (Maximum)
10.	Vanajiya Mahavidyalaya Yeotmal (Nagpur Univ.)	Construction of Lib. Building.	48,000	32,000
11.	Dum Dum Motijheel College, Calcutta	Construction of Lib. Building.	41,460	27,640
12.	Presidency College, Madras.	Purchase of Scientific Equipment	40,000	30,000

1	2	3	4	5
13.	Hindu College, Moradabad (Agra University)	Construction of Staff Quarter (One)	10,000	5,000
14.	S.G.N. Khalda College, Sriganganagar (Rajasthan)	Purchase of Lib. Books	10,000	7,500
15.	National Degree College, Berhal Ganj (Gorakhpur University)	Purchase of Scientific Equipment and Construction of Lab. building.	1,76,000	87,904
16.	Miranalini Dutta College, Calcutta	Purchase of books	16,000	12,000
17.	Ethiraj Women's College, Madras	Furniture for Non- resident students centre	5,814	2,900
18.	Bhuvanendra College, Karkla (S. Canara)	Purchase of books and equipment	40,000	30,000
19.	Lucknow Christian College, Lucknow	Purchase of Scientific Equipment, Furniture and Books	96,000	48,000
20.	K.R. Girl's College, Mathura (Agra Univ.)	Purchase of Books Purchase of Equipment	5,000 5,000	3,750 2,550
21..	Mahatma Gandhi Memorial College, Udipi (Mysore University)	Construction of two Staff Quarters.	39,200	19,600.
22..	Panskura Banamali College, Panskura, Midnapure	Construction of Lib. building.	42,853	28,568
23..	K.G.K. College, Moradabad (Agra University)	Purchase of books and Scientific Equipment	40,000	30,000
24..	New Law College, Ahmedabad (Gujarat University)	Purchase of Lib. books and furniture	21,500	16,000
25..	Hazari Mal Somani College, Bombay.	Purchase off books and equipment	55,000	41,250

37. Acceptance of the visit of Prof. R.S. Gorchakov, Soviet Expert, under Item 21 of the Indo-USSR Cultural Exchange Program for 1965-66.

....

Under the terms and conditions of the Indo-USSR Cultural Exchange Program for 1965-66 (Item 21) the salary of Prof. R.S. Gorchakov, Assistant Professor of Economics in the Leningrad State University, who was deputed to Department of Economics, Delhi University from 1.9.1966 to 5.4.1967 was fixed at Rs.1,500/- per month plus an allowance of Rs.150/- per month to meet his transport charges.

As Prof. Gorchakov was accompanied by Mrs. Gorchakov, whose visit was not covered under the agreement and as the Commission was originally to meet only the lodging expenses of Prof. Gorchakov, in order to avoid any hardship to the visitors, it was mutually decided between the Commission and Prof. Gorchakov that Prof. Gorchakov would draw only half of his salary (i.e. Rs.750/-per month), and that the expenses on the boarding of Prof. Gorchakov and lodging and boarding of Mrs. Gorchakov, would be met by the Commission, as a special case.

The payments to Prof. Gorchakov towards his salary and allowances have accordingly been made through the Delhi University. The amount of expenditure incurred is Rs.3,750/- towards salary and Rs.12,046-45 towards maintenance.

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38. Assistance towards the establishment of Hobby Workshops in the universities.

...

The Commission provides financial assistance to universities for the establishment of Hobby Workshops to the extent indicated below:-

- |                             |   |                                    |
|-----------------------------|---|------------------------------------|
| (a) Building                | - | Rs. 25,000/-                       |
| (b) Equipment               | - | Rs. 25,000/-                       |
| (c) Staff and contingencies | - | Rs. 5,000/- per annum for 5 years. |

The Hobby Workshop Scheme is being implemented in 17 universities. The following decisions have been taken to finalize the Hobby Workshop Scheme in these universities during the Fourth Plan period:

Item 2(a)

- (37) Acceptance of the visit of Prof. R.S. Gorchakov under Item 21 of the Indo-Soviet Cultural Exchange Programme 1965-66.

...

Under Item 21 of the Indo-Soviet Cultural Exchange Programme 1965-66 Prof. R.S. Gorchakov, Assistant Professor of Economics in the Leningrad State University visited India from 1.11.66 to 5.4.67. He was deputed for work in the Department of Economics, Delhi University. Originally Prof. Gorchakov was scheduled to come for a year and under the terms of assignment for a year he could bring his family to India. There are different terms of assignment of teachers for a period of less than 6 months. His services were availed of for about 5 months and the Commission agreed to fix his salary at Rs.1500/- per month plus lodging and allowance of Rs.150/- per month to meet his transport charges. As Prof. Gorchakov was accompanied by Mrs. Gorchakov, it was agreed that he would draw only half of his salary i.e. Rs.750/- per month plus the transport allowance, while the expenses on the lodging and boarding of Prof. Gorchakov and Mrs. Gorchakov would be met by the Commission as a special case.

The payments to Prof. Gorchakov towards his salary and allowances have accordingly been made through the Delhi University. The amount of expenditure incurred is Rs.3,750/- towards salary and Rs.12,046.45 towards maintenance.

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- (38) Assistance towards the establishment of Hobby Workshops in the universities.

...

The Commission provides financial assistance to universities for the establishment of Hobby Workshops to the extent indicated below:-

(a) Building	-	Rs. 25,000/-
(b) Equipment	-	Rs. 25,000/-
(c) Staff and Contingencies	-	Rs. 5,000/- per annum for 5 years.

The Hobby Workshop Scheme is being implemented in 17 Universities. The following decisions have been taken to finalize the Hobby Workshop Scheme in these universities during the Fourth Plan period:

(i) The universities are being requested to complete the buildings as well as purchase of equipment as soon as possible and, in any case, before December 1969.

(ii) The universities are being requested to appoint necessary staff immediately for their Hobby Workshops if they have not already done so. They have been informed that Commission's assistance towards recurring expenditure will be available upto the end of Fourth Plan in the case of Annamalai, Banaras, Gujarat, Jadavpur, Kashi Vidyapith and Visva-Bharati universities; upto 1969-70 in the case of Karnatak and Rajasthan Universities; and upto 1967-68 in the case of Madras University. A statement showing the progress of the scheme is attached (Annexure I).

Fresh schemes of Hobby Workshops are not being approved during the Fourth Plan.

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39. Leave Travel Concession admissible to the employees -  
Reimbursement by the University Grants Commission -  
Liberalisation of.

.....

The Govt. of India, vide Ministry of Home Affairs Office Memorandum No.F.43/6/66-Ests(A) dated the 10th March, 1967, have further liberalized the leave Travel Concession admissible to the Central Govt. Servants. According to these orders full reimbursement instead of 90% as at present will be allowed to the Govt. Servants for the outward and return journeys undertaken by them to the entitled class of the railways beyond the first 400 Kilometers (160 Kilometers in the case of class IV staff).

As the University Grants Commission has been following Govt. of India's orders/instructions, issued in this regard from time to time, the revised orders have also been made applicable to its employees.

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40. Transfer of G.P. Fund Account of the University Grants Commission Contributory Provident Fund.

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(a) The Chairman has sanctioned the transfer of G.P. Fund Account of Shri I.C.Menon, Education Officer, from his previous offices (N.C.E.R.T. and Ministry of Defence) to his Contributory Provident Fund in the U.G.C. under Rule 4(3) of the U.G.C. C.P.Fund Rules, 1956. Accordingly, an amount of Rs.1582/- and Rs.431/- was transferred and credited to his C.P. Fund Account in the U.G.C. in March, 1966 and March, 1967 respectively.

(b) The Chairman has sanctioned the transfer of G.P. Fund Accountant of Shri L.R. Mal, Assistant Education Officer from his previous office (Ministry of Education) to his Contributory Provident Fund in the U.G.C. under Rule 4(3) of the U.G.C. C.P. Fund Rules, 1956. Accordingly, an amount of Rs.28/- and Rs.3805/- was transferred and credited to his C.P. Fund Account in the U.G.C. in April, 1966 and February, 1967 respectively.

41. Record of discussion with Shri L.R. Nair, Director, Institute of Mass Communication and Shri Shankar Narain, Audio-visual Department NCERT.

...

The Commission, at its meeting held on May 3, 1967, desired that the question whether the facilities now provided by the University Film Council could be provided by the department of Audio-Visual Education of the NCERT or the Institute of Mass Communication be further examined. In pursuance of this decision, the Chairman, Secretary, Joint Secretary and D.O.(H) had a discussion with Shri L.R. Nair, Director, Institute of Mass Communication, New Delhi and Shri Shankar Narain, officiating Head of the department of Audio-Visual Education of the NCERT in the U.G.C. office on June 17, 1967 (a note on the discussion is attached - Annexure I).

Mr. Nair said that the Institute of Mass Communication would be happy to take over this programme if necessary funds were provided for the purpose by the Government (Ministry of Information and Broadcasting). He also agreed to prepare a brief note on the organizational set up and financial resources which would be required by the Institute of Mass Communication in the event of its providing facilities now provided by the University Film Council. It was agreed that a study may be conducted at an early date jointly by the University Grants Commission, the Institute of Mass Communication and Department of Audio-Visual Education of NCERT in the universities of Delhi, Panjab and Aligarh to assess student's reactions regarding the University Film Clubs.

Proceedings of the first meeting of the Standing  
Committee on Teacher Education

The first meeting of the Standing Committee on Teacher Education was held in the Conference Room of the University Grants Commission on the 25th of October, 1966.

The following members and special invitees attended the meeting:-

Members of the Standing Committee

1. Dr. K.G. Saiyidain,  
Director,  
Asian Institute of Educational Planning,  
New Delhi.
2. Dr. A.C. Joshi,  
Adviser (Education),  
Planning Commission,  
New Delhi.
3. Shri K.L. Joshi,  
Secretary,  
U.G.C.
4. Shri J.P. Naik,  
Adviser,  
Ministry of Education,  
New Delhi.
5. Dr. P.K. Roy,  
Principal,  
Central Institute of Education,  
Delhi.
6. Shri J.C. Dasgupta,  
Principal,  
David Hare Training College,  
Calcutta.
7. Dr. N.P. Pillai,  
Head of the Department of Education,  
Kerala University,  
Trivandrum.
8. Dr. S.N. Mukerji,  
President,  
National Association of Teacher Education,  
B-2/6-A, Model Town,  
Delhi-9.
9. Dr. J.N. Kaul,  
Education Officer,  
U.G.C. (Secretary)



Special invitees

-2-

1. Prof. M.V. Mathur,  
Vice-Chancellor,  
Rajasthan University,  
Jaipur.
2. Dr. R.K. Singh,  
Vice-Chancellor,  
Meerut University,  
Meerut.
3. Shri I.J. Patel,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar,  
Anand.
4. Shri S. Natarajan,  
South Indian Teachers' Union,  
Robertsenpet,  
Madras.
5. Dr. A. Mujeeb,  
Head of the Department of Teacher Education,  
Aligarh Muslim University,  
Aligarh.
6. Shri V.S. Mathur,  
Principal,  
Government Postgraduate Basic Training College,  
Chandigarh.
7. Dr. Salamatullah,  
Principal,  
Teachers' College,  
Jamia Millia, Near Okhla,  
New Delhi.
8. Dr. (Mrs.) Chitra Naik,  
Director, State Institute of Education,  
Poona.
9. Dr. S.B. Adaval,  
Head of the Department of Teacher Education,  
NCERT, 33, Chhatra Marg, Delhi-7.
10. Dr. S.N. Saraf,  
Director,  
Education Division,  
Planning Commission,  
NEW DELHI.
11. Dr. M.D. Paul,  
Director of Secondary Education,  
Madras State,  
Madras-6.

p.t.o.

12. Shri Mohd. Mumtaz Ali,  
Headmaster,  
New Middle School,  
Jamshedpur (Bihar).

Secretariat

1. Mrs. Doraiswami
2. Mr. Balkrishnan

The Chairman, Dr. Kothari, was also present for a while during the forenoon session.

The following could not attend the meeting:-

1. Kumari S. Panandikar.
2. Shri L.R. Desai,  
Vice-Chancellor,  
Gujarat University,  
Ahmedabad.
3. Prof. D.C. Sharma,  
President,  
All India Federation of Teachers  
Associations.

Shri K.L. Joshi welcomed the participants on behalf of the University Grants Commission and, proposed Prof. M.V. Mathur to take the Chair.

1. There was a brief general discussion on the problems of teacher education. Dr. A.C. Joshi said that the Planning Commission had given considerable attention to the programmes of teacher education in the Fourth Plan and that, in view of its importance, a specific allocation of over Rs. 92 crores had been proposed for these programmes in the State, Centre and Centrally sponsored sectors in the Fourth Plan. For the first time these have been separately indicated in the Plan for in the earlier Plans provisions were built in the elementary and secondary education sectors. He pointed out that the allocations that would be made available to the University Grants Commission in the central sector for these programmes should be generally earmarked for improvement of qualification of teachers and for strengthening of libraries, laboratories and workshops of training institutions. In this connection he suggested that grants for equipment, books and the salary of substitute/additional teachers may be provided on 100% basis and the grantee institutions would be expected to put up buildings required for qualitative improvement of the institutions. Dr. Joshi pointed out that the existing training colleges and education departments of the universities had not thrown up any inspired and dynamic leadership. There was, therefore, the need for developing institutes of pedagogy on the lines of the Indian Institutes of Technology. Such institutes could have a student body of even 5000 and a staff strength of 300 which would ensure effective group research of a high order.

2. Shri K.L. Joshi said that the existing 275 teacher training colleges in the country had not received much assistance from the University Grants Commission under its development programmes for affiliated colleges because the funds for the purpose were linked with development of secondary education and not university education. He cited the findings of the Report on Teaching Training of the Committee on Plan Projects and said that most of the existing training colleges were not comparable even with the poor art, science and commerce colleges. By and large the universities had not taken any interest in developing the training institutions. In this connection he pointed out that the content of courses in the training institutions can hardly be improved without active participation of the universities. While the expansion of training facilities would continue to be in the State Sector, programmes of qualitative improvement could be mainly directed through the central agency like the UGC provided enough funds were made available for this purpose.

3. Shri J.P. Naik said that the present committee would no doubt consider the programmes of qualitative improvement of teacher education but the Committee could also suggest other programmes which might be implemented by the States and by agencies responsible for centrally sponsored programmes. The Committee then took up for consideration the items proposed in the agenda.

Item No: 1: Terms of reference of the Standing Committee.

4. It was noted that the Committee was concerned with teachers' education programmes at all levels. It was also suggested that functions of the Committee should include "Evaluation".

Item 2(i) : Establishment of schools of Education in selected universities.

5. The Committee agreed to give a high priority to the establishment of Schools of Education. Apart from breaking the isolation of training institutions from the university life, these Schools would help develop research on an inter-disciplinary basis. The following suggestions were offered in this connection.

1. The scope and aims of the Schools of Education, as formulated by the Education Commission, may be brought to the attention of the universities and they may be requested to formulate detailed plans in this connection. This might indicate the seriousness that has gone into the planning of these Schools.
2. Whether these Schools are called Schools of Education or Departments of Education or Institutes of Education was not very material and was better left to the universities which are finally selected for this purpose.
3. The universities should be encouraged to appoint eminent professors in different disciplines either as part-time or full-time professors in these Schools to facilitate research and teaching on an inter-disciplinary basis.

4. The universities which do not have Education Departments at the Headquarters nor any teacher training affiliated colleges may also be considered for the establishment of Schools of Education. An important consideration would be the excellence of the existing departments and the ability of the University to sponsor inter-departmental and cooperative research.
5. The establishment of Schools of Education should make it possible to improve the qualification of existing staff in teacher education institutions. Admission to the Schools of Education may be given on priority basis to the staff of existing teacher training colleges but this should not preclude the admission of fresh students.
6. The Chairman of the University Grants Commission may be requested to appoint a committee to formulate in detail the functions, scope and the working of the Schools of Education in close cooperation with the science and social science departments of the universities.

Item 2(ii) Establishment of Comprehensive Colleges

6. The Committee welcomed this proposal and suggested that immediate action may be taken to set up such institutions in selected States. It was suggested that the location of such colleges should be based on a survey of existing training colleges and schools. The main points to be taken into account may be (i) potentiality for growth, (ii) minimum additional expenditure involved in converting existing training institutions into comprehensive college and (iii) an enrolment of 400 to 600.

Items 2(iii) - (vi)

2(iii) - Improvement of quality in Teacher Education

2(iv) - Postgraduate courses

2(v) - Improving the quality of training institutions

2(vi) - Correspondence Education.

7. The suggestions made by the Education Commission on the items mentioned above were broadly accepted by the Committee. There was, however, lively discussion on the correspondence courses. A suggestion was made that fresh graduates may be employed as teachers in the current scales and given correspondence courses, with practical training, in order to qualify as trained teachers. It was, however, pointed out that extreme caution would be necessary to implement this programme. In the U.S.A.; for example, only 1/3rd of the credits could be earned by correspondence and in the USSR students had to spend 2 of the 5 years as regular students in Teacher training institutions. It was also pointed out that if teacher training was confined to correspondence courses, those of the women students, who appear as private candidates in various public examinations, may never have an opportunity of coming into contact with the academic life of the universities.

Item 3: Development of Selected Training Colleges

8. The Committee agreed that this scheme would help to bring about substantial improvement in teacher education programmes. The colleges selected for the purpose should be enabled to develop to a minimum prescribed level. The minimum requirements should be laid down by the University Grants Commission with the help of a small expert group. It was mentioned in this connection that the Task Force on Teacher Education of the Education Commission and the Department of Teacher Education of the NCERT had done some work on this aspect of the problem and this should be helpful in laying down the norms. Institutions selected for assistance should be helped to come to a level from where they can easily take off to higher peaks of excellence.

Item No: 4 - Summer Institutes for Teacher Educators at the Secondary and Primary Levels.

8. It was agreed that this proposal should be given a high priority. An attempt should be to cover about 1/3rd to 1/2 of the existing teacher education at the secondary level during the current plan period. In view of the fact that the proposed Summer Institute for primary level would be the first of its kind, a good deal of preparatory work was required to gather the needed expertise. It would, therefore, be necessary to organise the first institute early in 1967 with the help of four or five resource persons who could be requested to direct similar institutes from 1968 onwards. The programme will have to concentrate on those aspects of primary teacher training which are almost totally neglected at present. As in the case of Summer Institutes for school teachers, this programme should be implemented jointly by the UGC and the NCERT.

Item 5: Promotion of Educational Research in Training Institutions.

10. The Committee agreed with the view of the Education Commission that the quantity of educational research in India is small and its quality mediocre or poor. It was noted that the average annual output of Ph.Ds' in the country was about 4. Educational research could be promoted in the following ways:-

- i. Incentives should be given to Ph.D. scholars in Education. It has to be ensured that we produce at least 20 Ph.D's in Education every year as against 3 or 4 at present.
- ii. Some preference should be given to Ph.D's in Education in matters of appointment as is done in the case of doctoral degree holders in science and other subjects.
- iii. The University Grants Commission may institute 10 research fellowships, 2 senior and 8 junior, for doctoral work in education. These fellowships may be increased to 20 per year in due course and should be earmarked for education.
- iv. Teachers may be encouraged to undertake research and adequate research grants should be made available to them on the pattern of a similar scheme already under implementation with the University Grants Commission.

Item No: 6 - State Boards of Education and Standing Committee on Teachers Education

11. Consideration of this item was postponed. This recommendation of the Education Commission is currently under consideration by the State Governments and decisions in this regard are expected only by December, 1966. The Committee, however, endorsed the recommendations of the Education Commission that there should be State Boards of Teacher Education in every State.

Item No: 7 - Production of Literature on Education in English and Modern Indian Languages

12. The proposal was broadly accepted. It was suggested that the University Grants Commission should work out a grant-in-aid scheme for production of literature on Teacher Education in various languages by universities/training institutions/State Institutes of Education/other Associations/Individuals.

The following suggestions were made for consideration by the University Grants Commission in this connection:-

- i. Under this scheme, suitable manuscripts by competent individual authors, teams of authors and institutions could be invited for publication.
- ii. Availability of suitable literature for teachers at the elementary level in regional languages is of vital importance for improving the quality of education and publication grants should be available for this purpose.
- iii. Translation or adaptation from standard books may be encouraged to augment the supply of adequate literature.
- iv. A survey of existing literature available to teachers would be very useful. Some State Institutes of Education have already undertaken such surveys. These should be helpful in determining priorities.
- v. The University Grants Commission may set up a committee to work out the details of the scheme.

Item No: 8 - Programme of action for the Fourth Five Year Plan

13. While considering the proposals to be taken up by the University Grants Commission for improvement of Teacher Education, it was felt that it would be advantageous to have a comprehensive picture of the entire programme of Teacher Education as finally included in the Fourth Plan both by the State and national level agencies. It was understood that as against Rs. 28 crores provided for teacher education in the Third Plan, the provision during the Fourth Plan was estimated to be of the order of Rs. 120 crores. A programme of this dimension would require close scrutiny and coordination. It was agreed that such an exercise would be done by a small group consisting of Shri J.P.Naik, Dr. S.N. Saraf, Shri K.L. Joshi and Dr. J.N. Kaul.

14. Dr. Saraf said that the allocation for University Grants Commission could be estimated to be more than Rs. 3 crores. The Committee welcomed this and agreed that the University Grants Commission may formulate a suitable programme for improving the standards of teacher education in the country.

It was suggested that the University Grants Commission may, with the help of the above committee prepare detailed estimates of costs of various programmes to be sponsored by the U.G.C. This would enable the University Grants Commission to make the necessary budget provisions for 1967-68 so that these schemes could be implemented from the next academic year.

15. In order to finalise details of various schemes, it was agreed that the Chairman, University Grants Commission, be requested to set up the following four committees :-

- i. To prepare detailed programmes for Schools of Education and Comprehensive Colleges.
- ii. To draw up a detailed scheme for Summer Institutes for Teacher Educators at the primary and secondary levels.
- iii. To suggest detailed schemes for Research grants and literature.
- iv. To suggest the manner and method of selecting training colleges for development and to lay down minimum standards to be achieved.

The details worked out by the Committees may be forwarded to the members for their comments.

The meeting concluded with a vote of thanks to the Chair.

Proceedings of the meeting of the Committee appointed by the Commission to discuss promotion of channels of academic communication between hill areas and other parts of the country.

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The Committee appointed by the University Grants Commission to discuss measures for promoting channels of academic communication between the hill areas of North-Eastern India and the other parts of the country met on 1st May 1967 at 10.30 A.M. at the U.G.C. Office, New Delhi. The following were present:

1. Dr. D.S. Kothari,  
Chairman,  
University Grants Commission.
2. Shri J.B. Hajjer,  
Education Minister,  
Assam.
3. Shri J.P. Naik,  
Adviser,  
Ministry of Education.
4. Dr. M.N. Srinivas,  
Director,  
Delhi School of Economics,  
Delhi.
5. Dr. P.H. Mehra,  
Professor of Botany,  
Panjab University.
6. Prof. G.G. Swell, M.P.
7. Miss D. Franklin,  
Chairman,  
State Social Welfare Board,  
Gauhati.
8. Rev. E.M. Pugh,  
Principal,  
Hynod College,  
Shillong.
9. Shri Sangliana,  
Assistant Inspector of Schools,  
Aijal.
10. Rev. W. Manners,  
Retired Headmaster,  
Shillong Government High School.
11. Shri K.L. Joshi,  
Secretary,  
University Grants Commission.



12. Dr. J.N. Kaul,  
Development Officer,  
University Grants Commission.

13. Dr. S.C. Goel,  
Education Officer,  
University Grants Commission.

2. Dr. Kothari welcomed the members of the Committee and said that the main purpose of convening the meeting was to discuss generally measures for effectively promoting higher education in the hill areas and forstering contacts and communication between academic people in the hill areas and those in other parts of the country.

3. At the outset the question of the university for the hill areas came up for discussion. It was agreed that setting up of a university for the hill areas as recommended by the Joint Committee of the University Grants Commission and the Ministry of Education should be given the highest priority. Acceptance of the recommendation of the Committee for the establishment of a federal type of university with a constituent college in each important centre viz. Imphal, Tura, Aijal, Balflong and Kohima would go a long way in meeting the aspirations of the hill people for the development of higher education and their distinct languages and cultures. These university colleges would become, in course of time, centres of postgraduate teaching and research. The Committee agreed that the proposed university would conduct its teaching and research through the medium of English in order to attract good teachers and students from all over the country and that Hindi would be one of the important subjects to be taught.

It was felt that an important objective of the university should be to provide intellectual leadership as also to play an important role in the economic and social development of the region by training of suitable man power and encouragement of research students. This would involve emphasis on technical and vocational education as well as on applied branches of sciences such as applied botany and applied economics.

It was noted that although some steps had already been taken for the setting up of a university in the hill areas of North-Eastern India, the project had not made any significant progress. It was understood that necessary provision had been made in the Fourth Plan for setting up a university in this area, the Assam Legislature had adopted a resolution requesting the Central Government to enact necessary legislation for setting up the new university under the auspices of the Central Government. But the Nagaland legislature had not yet passed any corresponding legislation.

4. An important question concerns the areas/subjects of special interest to the region, in which the new university should specialise. The hill areas present several such fields, in particular the investigation of the natural resources of the region involving botany, zoology, minerology, forestry, agriculture, agricultural economics etc. It was agreed that an informal group may be set up for further thought and attention to this aspect of the problem. The group may consist of Prof. Swell, Miss Franklin, Rev. Pugh, Rev. Manners and a nominee each of the Education Ministers of Assam and Nagaland.

5. As studies and researches in botany would be of the utmost importance to the development of hill areas, it would be helpful if the Botany Department of the Panjab University could establish a special cell in one of the colleges of Shillong. The cell could be supported by the U.G.C. Dr. Mehra kindly agreed to make a preliminary study of the potentialities of the area and to send a detailed proposal to the U.G.C. Prof. Srinivas also agreed to establish a unit in the Sociology Department of Delhi University to promote sociological studies of the hill areas and to facilitate exchange of students and teachers.

6. It was agreed that some scholarships may be provided to students in the hill areas for advanced study in universities and colleges in other parts of the country. The selected students could work in important centres in India viz., the Department of Botany at the Panjab University, the Department of Sociology at the Delhi University, the Central Institute of Education etc. In this connection a suggestion was made that some scholarships say 10 to begin with, may be earmarked for students from educational institutions in the hill areas. The colleges concerned would make the preliminary selection and forward the applications for the consideration of the U.G.C. The award of fellowships may be made with effect from 1967-68, if possible.

7. The U.G.C.'s scheme of summer institutes for the improvement of science education should be used to organize special summer institutes in science subjects and mathematics for teachers of schools and colleges located in the hill areas. Immediate steps may be taken for organizing a summer institute at Shillong in 1968.

UNIVERSITY GRANTS COMMISSION

APPENDIX I TO ITEM NO. 2a(28)

Selection Committee for making first award during 1967-68 under the scheme of "Financial assistance to teachers for research or learned work in Humanities, Social Sciences and Sciences. The meeting was held on 10.4.1967.

<u>S.No.</u>	<u>Name and Designation</u>	<u>Whether he attended the meeting on 10.4.1967</u>
1.	Prof.M.S.Duraiswamy, Professor of English, Annamalai University, Annamalainagar.	Yes
2.	Prof.S.Bhattacharya, Professor of Sanskrit, Banaras Hindu University, Varanasi.	Yes
3.	Prof.S.M.Suman, Principal, Madhav College, Ujjain.	Yes
4.	Prof.A.M.Khusro, Institute of Economic Growth, Delhi University, Delhi.	Yes
5.	Prof.K.K.Pillay, Professor of History, Madras University, Madras.	Yes
6.	Shri P.K.Roy, Principal, Central Institute of Education, Delhi.	Yes
7.	Dr.S.N.Biswas, Professor of Physics, Delhi University, Delhi.	Yes
8.	Dr.K.Balachandran, Professor of Mathematics, Madras University, Madras.	Yes
9.	Dr.R.C.Sinha, Professor of Geology, Patna University, Patna.	Yes
10.	Prof.Gurbaksh Singh, Professor of Chemistry, Banaras Hindu University, Varanasi.	Yes
11.	Prof.K.K.Nayar, Professor of Zoology, Kerala University, Trivandrum.	Yes
12.	Prof.A.Abraham, Professor of Botany, Kerala University, Trivandrum.	No

TEACHERS SELECTED FOR FIRST AWARD DURING 1967-68 UNDER  
THE SCHEME OF FINANCIAL ASSISTANCE FOR RESEARCH AND  
LEARNED WORK IN SCIENCES.

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Name and Designation	Title of the Research Project	Amount sanctioned	Purpose
2.	3.	4.	5.
• Dr. R.L. Blokhra, Lecturer, Panjab University, Chandigarh.	Studies in Non-equilibrium Thermodynamic	1500	Equipment
• Shri S.C. Guhnai Yogi, Junior Lecturer, Anand Chandra College, Jalpaiguri (West Bengal)	Fundamental Studies on the interactions of organic and inorganic molecules with aluminosilicates in polar and non-polar solvents.	1500	Chemicals, books and fabrications
• Shri G.K. Chaturvedi Associate Professor, Agra College, Agra.	Physico Chemical Studies on Mixed complexed of transitional metals.	1000	Chemicals & Books.
• Dr. D.N. Purdhit, Lecturer, Udaipur University, Udaipur.	Studies on transition & Inner transition (III GR) metal complexes of hydroxytriazenes	1500	Chemicals and books.
• Dr. R.K. Mittal, Lecturer, Rajasthan University, Jaipur.	Synthesis of organic compounds of group V elements and their ana- lytical uses.	1000	Chemicals and equipment.
• Dr. R.S. Saxena, Head of the Deptt. M.R.E. College, Jaipur.	Physico-Chemical studies on metal complexes and their appli- cations to analytical and Indus-Chems.	1500	Chemicals and books.
• Shri S. Dutt, Lecturer, Jadavpur University Jadavpur.	Synthesis of fused ring system	1500	Chemicals, books and apparatus.
• Dr. S.R. Mohanty, Reader, Banaras Hindu University, Varanasi.	Annealing of irradiation induced electrical conductivity changes in solid substances.	1000	Apparatus.
• Dr. Kailash Nath Mehrotra, Lecturer, Banaras Hindu University, Varanasi.	Organic photochemistry 'Photochemistry of ANILS'.	2000	Equipment and Chemicals.
• Shri M.P. Reddy, Lecturer, V.R. College, Nellore. (A.P)	Physico-Chemical Studies of Redox Equilibria in solution.	1000	Chemicals, books Apparatus and Misc.

1.	2.	3.	4.	5.
11.	Dr. Vimla Paul, Lecturer, Agra College, Agra.	The interaction and electro-kinetics of the double layer around colloidal Se. & TE particles.	1500	Chemicals and Books.
12.	Dr. R.K. Shah, Lecturer, Gujarat University, Ahmedabad.	A study of petroleum Hydro-chemical indicators in oil-field areas in Gujarat.	1000	Chemicals and books.
13.	Shri S.N. Rastogi, Lecturer, D.N. College, Meerut.	Chemical Studies of some nitrogen Heterocyclic compounds having pharmacological potentials.	1000	Chemicals.
14.	Dr. R.C. Aggarwal, Offg. Reader, Chemistry Department, Lucknow University, Lucknow.	A study of Reactions of certain Azines and Phenyl Hydrazones with Tetra Halides of IV Group Elements.	1500	Equipment and Chemicals.
15.	Shri Kusal Prakas Khan, Lecturer, Bangabasi Morning College, Calcutta.	'Biochemical Analysis of Streptomycin Dependent Microorganism.	1000	Chemicals and Glasswares
16.	Shri G. Srinivasan, Lecturer, Vivekananda College, Madras.	Kinetic Studies in Oxidation	1500	Chemicals and Books.
17.	Dr. I.M. Mathai, Professor, Madras Christian College, Madras.	Iodosoacetate as an Oxidising Agent.	2000	Apparatus
18.	Shri S.K. Sinha, Lecturer, Ranchi University, Ranchi.	Absorption of Organic Bases at Dropping Mercury Electode.	1000	Chemicals.
19.	Shri B.N. Sen, Head of the Deptt. Midnapore College, West Bengal.	On a new Method of Detection and Estimation of Sugars.	1000	Chemicals and Glassware and Misc.
20.	Dr. R.A. Kulkarni, Professor, Ramnarain Ruia College, Bombay.	Synthetic Anthelmintics	2000	Fabrication of Equipment.
21.	Shri R.N. Vidwans, Professor & Head, M.E.S. College, Poona.	Studies in Flavonoids	1200	Chemicals.

1.	2.	3.	4.	5.
22.	Dr.S.G.Ray, Lecturer, University of North Bengal, Raja Ramohanpur Distt: Darjeeling.	a) Synthetic work on heat stable polymers b) Experimental studies in some heterocyclic compounds.	1000	Chemicals
23.	Dr.H.S.Singh, Lecturer, Allahabad University.	Dielectric Contribution to Activation Energy in Ionion, Ion Dipolar Molecule and Dipolar Molecule Dipolar Molecule Reactions.	1500	Chemicals and Books.
24.	Dr.A.I.Mohamed, Sheriff, Lecturer, American College, Madurai-2.	Kinetics and Mechanism of Polymerization Reactions Initiated by dye-reducing agent systems in aqueous solutions.	1500	Chemicals and Books.
25.	Shri S.R.N.Dwivedi, Lecturer, Govt.Science College, Rewa.	Chemistry of Plan Production.	1000	Chemicals.
26.	Dr.S.K. Chakravarty, Reader, North Bengal University, Darjeeling.	Equilibrium and Kinetics of Sorption and Desorption at Sold-Liquid Interface.	1000	-do-
27.	Dr.O.P.Vig, Reader, Panjab University, Chandigarh.	Synthetic Investigations in Terpenoids.	1000	Applied Chemi- cals.
28.	Dr.S.V.Kesser, Reader, Panjab University, Chandigarh.	Synthesis of Slanum alkaloids.	1000	Chemicals.
29.	Dr.A.K.Bhattacharya, Reader, Calcutta University, Calcutta.	Isolation & Structure Elucidation of natural products with special reference to Alkaloids and Triterpenes.	1000	Chemicals and Books.
30.	Dr.Bani Talapatra, Lecturer, Victoria Institution, Calcutta.	Studies on the active prin- ciples of some Indian medical plants.	1000	Apparatus & Chemicals.
31.	Shri S.K.Talapatra, Lecturer in Chemistry, University College, Calcutta.	Studies on Teppenoids and related compound of some medicinal plants.	1000	Apparatus and Chemicals.

1.	2.	3.	4.	5.
<u>BIOCHEMISTRY</u>				
32.	Dr. Miss C.Z. Hussain, Lecturer in Biochemistry, Maulana Azad Medical College, New Delhi.	Anticoagulant properties of Fibrinogen Split products and their role in Vitro	1500	Chemicals, Books & Apparatus..
33.	Dr. (Mrs.) R. Pant, Lecturer in Biochemistry, Allahabad University.	Chemical and Bio- chemical study on plant.	2000	Chemicals, Glassware && Books.
34.	Shri H.M. Dhani, Lecturer, Panjab University, Chandigarh.	Boron Metabolism	1000	Equipment && Books.
35.	Shri N. Nath, Lecturer in Biochemistry, Nagpur University.	Effect of Keton Bodies Vitamins B reducing compound on the growth & Metabolism of E. 113-3-	1000	Chemicals && Books.
36.	Shri G.D. Kalyankar, Professor of Biochemistry, St. John Medical College, Bangalore.	Mechanism of Photodeg- radation of Amino Acids.	1500	Chemicals, Books & Apparatus...
<u>ZOOLOGY</u>				
37.	Smt. R. Sarojini, Head of the Deptt. S.B. College, Aurangabad.	Systematic Survey of An- nuran of India.	1500	Books, Glasss ware & Field Work.
38.	Shri B.R.T. Rao, Demonstrator, St. Joseph's College, Bangalore.	The Studies on the Organism in the Sewage channels at Bangalore.	1000	Glassware Chemicals & Books.
39.	Shri M.G. Venkatesha, Demonstrator, St. Joseph's College, Bangalore.	Artificial Breeding of Toads Study of the Duration of Metamorphosis of Bufo Melanostictus (Toad).	1000	Chemicals and Glassware.
40.	Shri J.C.B. Abraham, Professor, American College, Madurai.	Studies on the Ecology of the Annrans (Amphibia) of Madurai.	1000	Books, Equip- ment, Field Work.
41.	Shri Bholanath Banerjee, Lecturer, B.N. Mahavidyalaya, Itachuna Hoogly (West Bengal).	A study of the life history and early stages of Indian Heleids (Diptera)	1000	Books, Chemi- cals and Apparatus.
42.	Dr. C.K.G. Nayar, Lecturer, Christ College, Irinjalaknda.	Studies on the fresh water zooplankton of Kerala.	1000	Chemicals, Equipment and Field work..

1.	2.	3.	4.	5.
43.	Smt.K.Sarin, Lecturer, Maharani's College, Jaipur.	Studies on Nutritional requirements and Deficiency effects of Riboglavin Resistant Strain of Trogod-erma.	1500	Chemicals, Equip-ment and Books.
44.	Shri V.P.Dixit, Lecturer, Maharaja's College, Jaipur.	Histological and Histochemical studies on the cuadal neurosecre-tary system in some local fresh water Teleosta.	1500	Chemicals, Books Apparatus, Field Work.
45.	Dr.M.Khattar, Lecturer, Government College, Ajmer.	Studies on Schizodactylus Monstrocus Don(Orthopetra) with special reference to Histology and Histo Chemis-try of Neurosecretary cells and their relationship Ococyte development.	1000	Chemicals, Books Equipment.
46.	Dr.R.D.Gulati, Lecturer, Hans Raj College, Delhi.	Limnological Studies on some North Indian lakes and reservoirs.	500	Field work.
47.	Shri C.M.Shankarappa Lecturer, Govt.College, Tumkur.	Cytological and Cyto-chemical studies of Ciliates around Thumkur	1000	Chemicals and Equipment.
48.	Dr.P.D.Prasada Rao, Lecturer, Vikram University, Ujjain.	Studies on the Regulatory Mechanism of the Teleost Hypophysics.	1500	Field Work Chemicals.
49.	Shri B.C.Mazumdar, Lecturer, Sree Chaitnya College, Habra(W.Bengal).	A study on the Alluaudomyia and Stilobezzia spices of Biting Midges (Ceratopogondae) Dipteria of Eastern India.	1500	Chemicals Books & Equipment.
50.	Dr.S.Kannan, Professor & Head Ghiagarajar College, Madurai.	Biochemical Studies on the Root Knot Nematode Parasitiam in some Economic Plants.	2000	Field work Chemicals.
<u>BOTANY</u>				
51.	Shri A.S.Salanki, Demonstrator, Marathwada University, Aurangabad.	Study of the entrainment of feedback oscilations in Plants.	1500	Equipment, Chemi-cals, Books.
52.	Shri. Udai Narain, Head of the Deptt. Rajendra College, Chapra.(Bihar).	Ecology of Microfungi Associated with the Decaying Leaves of Mangifera Indical and of their succession.	500	Field work.
53.	Dr.V.B.Sharma, Assstant Professor, Government College, of Science, Raipur(M.P)	Ecology of Westlands of Chhattisgarh	1000	Field work.



1.	2.	3.	4.	5.
54.	Shri V.P.K.Nambiar, Lecturer, Govt. Victoria College, Palghat.	Morphological and Embryolo- gical studies in Podostemaceae.	1500	Chemicals & Journals.
55.	Dr.Naresh Chandra, Lecturer, Meerut College, Meerut.	Growth and differentiation in Tissue, Cultures and singles cells of some monocots.	1500	Equipment, Glass ware & Chemicals
56.	Shri R.S.Gupta, Lecturer, Udaipur University, Udaipur.	Systematic and Ecological Study of Blue green algae of Rajasthan.	1000	Field work.
57.	Shri A.K.Dutt, In-charge Raj College, Burdwan.	Flora of Burdwan District West Bengal.	1000	Field work.
58.	Shri S.K.Tandon, Lecturer, Govt.College, Bhilwara.	Floristic and Ecological studies of Bhilwara & its neighbourhood.	1000	do-
59.	Dr.D.D.Nautiyal, Lecturer, Allahabad University, Allahabad.	Studies of the coal flora of Indian seams with special reference to the repro- ductivity of structures.	1000	do-
60.	Shri K.K.Bhingra, Lecturer, P.G.Vigyan Mahavidyalaya, Gwalior(Lashkar).	Flora of Gwalior	500	Material, Books and field work.
61.	Smt.Maqbool Begum, Lecturer, Maharani's College, for Women Bangalore.	Embryological Studies in Eriocaulaceae.	1500	Books and Field work.
62.	Shri S.D.Patil, Lecturer, Poona University, Poona.	Studies on the Fungi of Western Ghats.	1500	Books, Glassware Photo material and collection.
63.	Dr.C.K.Shah, Reader, Gujarat University, Ahmedabad.	The Cyperaceae of Gujarat 1.	1000	Field work.
64.	Dr.B.B.Sharma, Lecturer, Lucknow University, Lucknow.	Pythium Diseases of cucurbitaceous vegetables.	500	Glassware and Apparatus.

1.	2.	3.	4.	5.
65.	Shri R.S.P.Rao, Head of the Deptt. Government Arts and Science College, Chittor (A.P.)	Floristic Study of Ahobilam forest in Mallamalai Hills.	1000	Field work
66.	Dr. Manmohan Singh, Head of the Department, S.G.T.B. Khalsa College, New Delhi.	Algal Flora of Delhi	500	Field work
67.	Dr. D.N. Sen, Lecturer, Jodhpur University, Jodhpur.	Seed coat and seed germi- nation studies on desert plants of Rajasthan.	500	Field work.
68.	Dr. C.S.P. Rao, Reader, Banaras Hindu Univer- sity, Varanasi.	Cytology and life Histories of Algae from the West coast of India.	1000	Field work.
69.	Shri R. Ramabandran, Lecturer, Faculty of Agriculture, Annamalai University.	Studies on Thermophilic Microorganisms.	1500	Equipment, Chemicals.
70.	Shri Narendra Mohan Biswas, Lecturer, Ananda Mohan College, Calcutta-9.	Nutritional influences on the reproductive organs.	2000	Animals and Chemicals.
71.	Miss Sabita De, Lecturer, Pharmacy, Jadavpur University.	Study on the antibiotic effect of mitomycin.	1,000	Apparatus and Chemicals.
72.	Dr. Amalendu Choudhury, Reader in Physics, Jadavpur University, Calcutta-32.	A study on the growth of defect centres in Ionic Crystals due to Proton Bombardment.	3000	Equipment.
73.	Shri Narinder Kumar Puri, Lecturer, Panjab University, Chandigarh.	X-Ray diffraction techni- ques and studies of the Crystalline Materials.	1500	Equipment.
74.	Shri D. Shanmugasundaram, Lecturer, Annamalai University, Annamalainagar.	Magnetic Study of Molecular Interactions.	2000	Equipment
75.	Shri N. Vasudevan Nair, Lecturer, Mahatma Gandhi College, Trivandrum.	Micro wave generation using semi-conductors. Study of very long waves and directional trans- mission of radio waves.	2500	Equipment

1.	2.	3.	4.	5.
76.	Dr. (Mrs.) S.V. Itagi, Lecturer, Marathwada University, Aurangabad.	Chemiluminescence in nitrogen oxygen after glow.	2000	Equipment.
77.	Dr. A. Srinivasa Rao, Reader in Physics, Marathwada University, Aurangabad.	Nuclear Magnetic Resonance in ferro- magnetic materials.	3000	Fabrication of Equipment.
78.	Shri Biswa Ranjan Gupta, Lecturer, Jalpaiguri Engg. College, P.O. Danguajhar, Jalpaiguri (W. Bengal).	Study of 'Ultrasonic Pulse' velocity through different types of Soil & Concrete samples and hence to co-relate between pulse velocity and different physical properties of soil and concrete.	2000	Equipment
79.	Shri Benoy Krishna Talukdar, Lecturer, Bolpur College, Bolpur (W. Bengal).	A relativistic study of the Auger effect and other related processes.	2000	Equipment.
80.	Dr. A.N. Nigam, Reader, Rajasthan University, Jaipur.	Study of X-ray spectra of vapours produced by high frequency high Voltage source"	2000	-do-
81.	Sh. Mucherla Venkata Ramavaiah, Lecturer, S.D.G.S. College, Hindupur, Anantapur Distt.	Determination of diss- ociation energies of the diatomic molecules.	1800	-do-
82.	Shri N.R. Joshi, Assistant Professor & Head of Physics Deptt. Engineering College, Gulbarga.	Study of nonelectrolytes in aqueous & nonaqueous solutions, with ultrasonic interferometer.	1500	-do-
83.	Dr. S.K. Varma, Udaipur University, Udaipur.	Studies on the effect of flux on the properties of sulphide Phosphers.	2000	-do-
84.	Shri Charanjit Kumar <sup>Virmani</sup> Lecturer in Physics, Bareilly College, Bareilly.	Plasma Physics Propagation of Electromagnetic waves through Plasma.	1000	For books & Journals..
85.	Shri K. Sathianandan, Reader in Physics, Poona University, Poona.	"Molecular vibrations of Inorganic Compounds with special reference to Raman Spectra at High temperatures.	2500	Equipment

1.	2.	3.	4.	5.
86.	Dr. Joy George, Reader, Kerala University, Trivandrum.	Epitaxial growth of zinc and cadmium from vapour.	2500	Equipment
87.	Shri Jogendra Nath Chakravorty, Sr. Lecturer, Ramakrishna Mission Residential College, P.O. Narendrapur, 24 Parganas (W. Bengal).	Oscillometric and light scattering investigations on colloidal solutions.	1000	Equipment.
88.	Dr. P. K. Sharma, Lecturer, Allahabad University.	Electron-Phonon Inter- action in metals.	1000	Equipment.
<u>GEOPHYSICS</u>				
89.	Shri C. L. Singh, Reader, Banaras Hindu University, Varanasi.	Study of Prominent Aquifers in the districts of Varanasi and Azamgarh using Electrical Methods.	1500	Field Work & Contingencies.
90.	Dr. V. V. J. Sarma, Lecturer, Andhra University, Waltair.	Experimental Investigations on the Applicability of the Geophysical Prospecting for Manganese Ores.	500	Field work
91.	Dr. V. B. Rao, Reader, Andhra University, Waltair.	Regional Magnetic Investi- gations in Parts of Godavari Valley in East Godavari District, Andhra Pradesh.	500	Field work.
92.	Shri Nilakantha Acharya, Lecturer, Utkal University.	Magnetic Studies of Iron Ore Deposits of Umerkote Area of Korapur District Orissa.	500	Field work.
<u>BIO- PHYSICS</u>				
93.	Shri G. S. Gupta, Lecturer, Panjab University.	Biochemical & Histochemical Studies of Mammalian Tests after Irradiation.	1000	Chemicals.
<u>ANTHROPOLOGY</u>				
94.	Km. Ranika Das, Lecturer, Arya Vidya College, Gauhati.	A study of Morphological Characters of Foot of Some Population of Assam.	2000	Books & Field Work.
<u>MATHEMATICS</u>				
95.	Shri R. N. Gupta, Lecturer, Ramjas College, Delhi.	Ring Theory	1000	Books & Photo- copies.

1.	2.	3.	4.	5.
96.	Shri P.K.Jain, Lecturer in Mathematics, Hans Raj College, Delhi.	Entire Convex and Mero- morphic Functions (Complex Analysis).	1000	Books etc.
97.	Shri R.D.Agrawal, Lecturer in Mathematics, S.A.Technical Institute, Vidisha.	Some problems in operational Calculus and its Application to Engineering Problems.	1000	Books.
98.	Shri R.C.Gupta, Asst. Professor in Mathematics, Birla Institute, Ranchi.	Trigonometry in Ancient and Medieval India.	1000	Books and Field Work.
99.	Dr.B.D.Malviya, Lecturer in Mathematics, Allahabad University, Allahabad.	Functional Analysis.	1000	Books etc.
100.	Dr.R.C.Choudhary, Reader in Mathematics, Ranchi University, Ranchi.	Magnetop hydrodynamics, Hydromagnetic Flow in the presence of Transverse Magnetic field.	1000	Books and Field work.
101.	Dr.K.Anjanayulu, Lecturer in Mathematics, Marathwada University, Aurangabad.	Quasi-Housdroff Transforms of Truberian series.	1000	Books and field work.
102.	Shri Amar Nath, Lecturer in Mathematics, K.G.K.Postgraduate College, Moradabad(U.P).	Second order Differential Equations with special reference to Bessal functions.	750	Books.
103.	Shri S.Ganguly, Lecturer in Mathematics, Barasat Govt.College, Barasat.	Some problems connected with the structure of integral transfor.s.	500	Books
104.	Smt. M.Sugunamma, Lecturer in Mathematics, S.P.W.College, Tirupati(A.P.)	The Theory of Numbers Contributions to the Theory of General Arithmetic Functions.	500	Books and Jour-- nals.
105.	Shri M.C.Jaiswal, Reader, Gujarat University, Ahmedabad.	The tabulation of per- centage points involved in testing the equality of parameters in certain non-regular densities.	1000	Computer Work
106.	Shri Mahendra Pratap, Head of the Department, J.V.College, Baraut.(Meerut)	Tests of Homo Geneity of Related Statistical infer- ence.	1000	Books and Field Work.

1.	2.	3.	4.	5.
<u>CIVIL ENGINEERING</u>				
107.	Shri Y. Ananthanarayana, Asstt. Professor, P.S.C. College of Technology, Peelamedu (Coimbatore).	Analysis of thin walled R.C. Prismatic structural elements under combined Bending & Torsion.	1500	Cost of material and specimens.
108.	Shri B.P.S. Rao, Associate Professor, Walchand College of Engg. Sangli.	Anaerobic Digestion of Distillary Waste Effluents.	2450	Apparatus & Fabrications.
<u>ELECTRICAL ENGINEERING</u>				
109.	Shri Manohar Lal, Associate Professor, Roorkee University, Roorkee.	Synthesis of automatic control systems.	2000	Components and field work.
<u>CHEMICAL ENGINEERING</u>				
110.	Dr. Nand Lal Jain, Reader, College of Engineering, Raipur.	Crystal growth in polymers (Synthetic).	2500	Apparatus.
<u>GEOLOGY</u>				
111.	Dr. S.S. Rao, Lecturer, Vikram University, Ujjain.	Problems of Deccan traps.	500	Field work
112.	Shri M.S.R. Jamkhandi, Demonstrator, Karnatak University, Dharwar.	Geology of the area around Kankanhalli and Uyamballi Bangalore Distt. Mysore State.	1000	Chemicals and field work.
113.	Dr. R.N. Sukheswala, Professor, St. Xavier's College, Bombay.	Investigations of Sar- bonatite of Ambadongar and other areas.	1500	Geiger counter, Micro sections and Photography
114.	Shri K. Anjanappa, Associate Lecturer in Engineering Geology, S.V. University College of Engineering, Tirupati.	Geological and Petro- logical Studies of parts of Archaens in Peninsular India.	400	Field work.
115.	Dr. S.M. Casshyap, Lecturer, Aligarh Muslim University, Aligarh.	Stratigraphy and Sedi- mentology of the Araballi system, Rajasthan.	500	Field work.
116.	Dr. V.K. Srivastava, Reader, Aligarh Muslim University, Aligarh.	The Nature and configura- tion of the Western Part of Vindhyan Basin.	500	Field work

1.	2.	3.	4.	5.
117.	Shri K.K.Tandon, Lecturer, Lucknow University, Lucknow.	Biostratigraphy of the Marine Tertiary Bocks of Kutch and Kathiawar with reference to Foraminifera, Echino- dermata and Ostrocoda.	1000	Field work and contingencies.
118.	Shri Y.V.Deshpande, Lecturer, B.V.B.Engg.College, Hubli.	Geology of the Area around Ankola and Gokara	500	Micro-sections.
119.	Shri Girjesh Chandra, Lecturer, Lucknow University, Lucknow.	Geomorphology and Stratigraphy of Chakrata Simla area with special reference to the Age of Deoban Limestone.	500	Contingencies
120.	Dr.S.C.Sarkar, Lecturer, Jadavpur University, Calcutta.	A detailed Geological & Mineralogical study of the Sulphide Ores from Singra Valley, Assam.	250	Field work.
121.	Shri P.Dutta, Lecturer, Cotton College, Gauhati.	Origin and Granitisation of Porphyritic-Granites of the Bhoi area of Khasi Hills Assam.	500	Field work.
<u>GEOGRAPHY</u>				
122.	Shri N.K.Singh Lecturer, Banaras Hindu University, Varanasi.	Variability of probability of Rainfall and water deficit in U.P. and its effects and methods of improvement on the crop patterns in U.P.	300	Field work.
123.	Prof.J.Singh, Lecturer, Deptt.of Geology, Banaras Hindu University, Varanasi.	Spatial structure of Industry in N.E.Plates of India. A study in Regional Planning.	300	Field work.
124.	Prof.V.M.Raju, Lecturer in Geology, D.N.R.College, Bhimavaram.	A geographical study of Andhra Pradesh.	300	Field work.
125.	Shri Ayodhya Prasad, Lecturer, Ranchi University, Ranchi.	Rural settlement of Chotanagpur a study in cultural landscape.	300	Field work.
126.	Miss A.E.Dass, Lecturer, Rajasthan University College, Jaipur.	Geographical basis of Industrial locations in Rajasthan.	300	Field work.

1.	2.	3.	4.	5.
27.	Shri N.P.Ayyar, Reader, Saugar University, Sagar.	Land use studies in M.P.	300	Field work.
28.	Dr.(Smt.)Pramila Varma, Asstt.Professor, Saugar University, Sagar.	Land use planning of Rural urban fring of Jabalpur.	300	Field work.
29.	Shri R.C.Barua, Lecturer, A.C.Training College, Jalpaiguri.	Settlement Geography of district of Darjeeling.	500	Field work.
30.	Shri A.K.Pal, Lecturer, North Bengal University, Siliguri.	A study of Fluvial Geo- morphology in the Sub- Himalayan zone of E. Himalaya.	300	-do-
31.	Shri R.C.Chandna, Lecturer, Panjab University, Chandigarh.	Changes in demographic character of Rohtak and Gurgaon Districts 1951-61 A geographical analysis.	250	-do-
32.	Miss S.K.Mehta, Lecturer, Panjab University, Chandigarh.	Some aspects of changes in demographic character of Bis Doab . 1951-61 A Geographical Analysis	250	-do-
33.	Shri D.C.Jayasankar, D.B.College of Commerce & Arts, Mysore.	Import and Export area Delineation of three Southern parts, Madras.	250	-do-
34.	Shri P.K.Chakravarti, Lecturer, North Bengal University, Siliguri.	Social aspect of Regional economic development. A case study from the sub- montageregion of North Bengal.	250	-do-
35.	Shri B.Bhattacharya, Lecturer, North Bengal University, Siliguri.	A locational analysis of urban growth and its future in North Bengal.	250	-do-
36.	Mrs.A.Bhattacharya, Lecturer, North Bengal University, Siliguri.	Changing social structure of the population of North Bengal.	500	-do-



UNIVERSITY GRANTS COMMISSION

APPENDIX II TO ITEM NO. 2 (a-28) Contd.

Teachers selected for first award during 1967-68  
under the scheme of financial assistance for research  
or learned work in Humanities and Social Sciences.

No.	Name and Designation	Title of the Research Project.	Amount sanctioned Rs.	Purpose
1.	2.	3.	4.	5.
	Dr. D.N. Shukla (Lecturer) Srieth Soorajmull Jalan Girls' College, Calcutta.	Hindi Me Carit Kavya Ki Parampara Aur Usaka Adhyayan	250	Books
	Dr. B. Tiwary, Assistant Professor, Saugar University.	Procurement and Editing of the eminent poet Har Charandas an eminent poet of 18th century.	500	Books
	Dr. Suman Lata Saxena Lecturer A.N.D.M.M. Kanpur.	Adi aur Madhya Yugin Hindi Kavya Roop 1200-1600	500	Books
	Dr. B.D. Upreti, Lecturer, Allahabad University.	Pithauragarh Ki Boli Aur Uska Lok Sahitya	750	Books and Field work.
	Shri B.P. Verma 'Kamal' Lecturer, Deoghar College, Tatkalin Bihar.	Ritikalin Kavya Granth on Ke Adha Char Per Tatkalin Samajik Jeevan- Ka Adhyayan	250	Books
	Dr. C.L. Prajbat, Prof. & Head, K.C. College, Bombay.	Hita Chaurasi Thata Sfuta Pada	1000	Books
	Sh. Janak Gupta, Lecturer, Jammu & Kashmir University.	Comparative Study of Dogri and Hindi Folk Songs.	750	Books and Field Work.
	Sh. Kailash Prasad, Lecturer, Patna University.	Magadh Lok Gathaon Ka Adhyayan	500	Field Work
	Shri K.S. Satyanarayana Lecturer, Naarsapur College, Naarsapur.	Comparative Study of the Moral Literature in Hindi and Telugu.	500	Books and collection of manuscripts.
	Dr. N.N. Upadhaya, Lecturer, Central Hindu College, Varanasi.	Tentrik Bauddha Apa- Bhransa Racana on Ka Vaijnanika Aur Adyatanina Sampadana Aur Adhyayana	750	Books and Manu- scripts.
	Shri Padam Singh, Lecturer, Govt. College, Kotputli (Raj).	The comparative study of Western Rajasthani and Gujarati languages.	500	Books and Field Work

S.No.	Name and Designation	Title of the Research Project	Amount sanctioned	Purpose
1.	2.	3.	4.	5.
12.	Sh.G.M.Umapati, Head Basavesvara College, Bagalkot.	Prabhudeva and Gorakh- nath: A comparative study.	650	Books
13.	Dr.G.N.Rajguru, Lecturer, Panjab University.	History of Apabhramsa Literature	1000	Books and Fieldd Work.
14.	Dr.H.P.Gupta, Lecturer, Rajdhani College, Delhi University.	Kashmir Peasants Life	700	Books and Fieldd work.
15.	Dr.Om Prakash, Reader, Delhi University.	Braja Bhusha Text	800	Books and Fieldd Work.
16.	Sh.R.K.Seth, Lecturer, D.A.V.College, Delhi.	Tirruvalluvar and Kabir: A comparative study.	1000	Books and Fieldd Work.
17.	Dr.U.B.Singh, Lecturer, Delhi University.	Critical Edition of the Vinayapatrika (By Tulsi Dasa)	750	Books and Fieldd Work.
18.	Shri R.K.Shukla, Lecturer, M.M.Modo College, Modinagar.	A comparative study of Ravishena's Parma- purana.	500	Books
19.	Sh.R.M.Sharma, Lecturer, College, Jind.	Ram Naresh Tripathi and his literature.	500	Books and Fieldd work.
20.	Sh.R.C.Lavania, Lecturer, S.D.College, Ghaziabad.	The values of Life as depicted in the 20th Century Hindi Short Stories.	500	Books.
21.	Sh.S.M.R.Swany, Lecturer, Maharani's College, Mysore.	A comparative study of the Characters of Ramakavyas in Hindi and South Indian Languages.	500	Books and Fieldd Work.
22.	Dr.Ram Gopal Sharma 'Dinesh' Lecturer, M.B.College, Udaipur.	Surati Mishra Granthawali: Sampadan Tatha Bhumika	750	Field work and Manuscripts
23.	Dr.K.R.Rao, Lecturer, Andhra University.	A comparative study of Indian Riddles (in Hindi)	500	Field work

2.	3.	4.	5.
1. Drr.S.S.Misra 'Madhupa' Head of the Deptt. R.L.M.P.Degree College, Sitapur.	Avadhi Ka Jan Padiya Sahitya - Sankalan Aur Addhyayan	500	Books and Field Work.
2. Shri.M.P.Sharma, Leecturer, Rajasthan University.	The Origin and Develop- ment of Mewati.	500	Field work
3. Smnt.Hymavathy Thampuran, Paart Time Lecturer, Unniversity(Kerala)Centre, Krrnakulam.	A Comparative Study of the Language and Word Pattern of Biharilal.	500	Books and Field Work.
4. KmN.Shiv Rani Garg, Leecturer, A..K.P.Degree College, Khnurja.	Hindi Ke Atihasik Charit Ka Alochnatmak Adhyayan (12th Century to 15th Century).	500	Books
5. Smnt.Radha Krishnamurthy, Leecturer, M..E.S.College of Arts and Commerce, Maallesearam.	Daks and Bharat Ki Sant Parampara	750	Books and Field Work.
6. Shh.R.K.Saraf, Asssistant Professor, Goovrment Degree College, Baalaghat	Prachin Aur Arvachin Naty Padytiyon Ke Adhar Par Prasad Aur Kalidas Ke Natkon Ka Tulnatamak Adhyavan	250	Books
7. Drr.Raghuvansh, Leecturer, Allahabad University.	Translation and Commentary of Natyashastra	500	Books
8. Shnri R.K.Kaushik, Leecturer, M..M.H.College, Ghnaziabad.	Nirala Sahitya Men Abhivyanjana Shilp	250	Books
9. Shnri Sanker Rao Kappikeri, Leecturer, Kaarnatak University.	Kabir and Basava : A Comparative Study.	600	Books and Field Work.
10. Shnri R.P.Singh, Leecturer, T.N.B.College, Bhnagalpur.	Hindi Kavya Ki Nirguna Dhara Men Yoga	250	Books
11. Shnri K.B.Sehal, Leecturer, Goovt.College Tonk, (R.Rajasthan).	Rajasthan Lok Gathayen Aur Niharde Sultan	500	Books and Field Work

1.	2.	3.	4.	5.
<u>SANSKRIT</u>				
35.	Shri K.V.Sharma, Lecturer-cum-Asstt.Editor, Varahamihira's Brhat- Vishveshvaranand Instt. of Sanskrit and Indological Studies, Panjab University.	A critical edition of Samhita with the commentary of Bhaskara- Yogi.	1000	Books, Manu- scripts and Field Work.
36.	Shri Krishna Kant Chaturvedi Lecturer, Jabalpur University.	Sanskrit Bali Aur Prakrit Ke Pracheen Sahitya Ki Saman Kathaon Ka Kosha	1500	Books and Field work.
37.	Shri P.F.Davis, Head of the Deptt.of Sanskrit, Loyola College, Madras.	The socio-economic con- ditions in the Arthasastra of Kautilya in relation to Mahabharata	1000	Books and Field Work.
38.	Shri Rama Kant Jha Lecturer, Teachers' Training College, Samastipur.	A comparative study of students life in the great epics.	500	Books
39.	Shri Veda Prakasha Senior Lecturer, Government College, Sangrur.	A grammatical poem in sanskrit: A critical exposition and edition with Commentary.	500	Photostat copies and field work.
40.	Shri Shivraj, Reader, Department of Sanskrit, Kurukshetra University.	Editing and critical study of the Sankhayana Brahmana	1000	Field Work.
41.	Shri P.Sriramamurti, Lecturer, Andhra University College of Arts Commerce & Law, Waltair(A.P).	Critical Edition of Raghuṇāṭhacarita	500	Books and field work.
42.	Shri A.N.Jani, Reader and Head of Faculty of Arts, M.S.University of Baroda.	A critical edition of the Sahitya Vidyadhari the earliest commentary (written in Gujarat) on Sriharasa's Naisdhiya- caritam.	500	Books and Field Work.
<u>ENGLISH</u>				
43.	Shri K.S.Parihar, Lecturer, G.S.College of Commerce and Economics, Jabalpur.	Development of the Art of Ernest Hemingway.	500	Books
44.	Shri H.G.Phansalkar, Assistant Professor, Shri Shivaji Mahavidyalaya, Barsi Distt.Sholapur Maharashtra.	Novels of Sirt C.P. Snow.	500	Books

1.	2.	3.	4.	5.
45.	Shri R.S.Verma, Lecturer, M.R.Engineering College, Jaipur.	Mrs.Aphsa Behn and her Novels.  <u>URDU</u>	500	Books
46.	Shri A.F.I.Usmani, Lecturer, Govt.Degree College, Tonk.	Contribution of Non- Muslims towards Urdu Literature in Rajasthan.	1000	Books and Field Work.
47.	Syed M.Rafat, Lecturer, Maharani's College, Mysore.	A survey of Deccani spoken Urdu Language in the different areas of Mysore State.	2500	Books, Manuscripts Field work and Tape Recorder.
48.	Md.Qasim Ahsan, Lecturer, Patna University, Patna.	Zahoorul Haque, Zahur of Bhulwari Sharif as a poet.  <u>GUJARATI</u>	750	Books and Field Work.
49.	Shri J.M.Pate, Lecturer, Gujarat Vidyapith.	Two Dark Decades of Fiction in Gujarati. (1866-1886) <u>PUNJABI</u>	500	Books
50.	Shri Nirmal Singh, Lecturer, G.N.College Tegbahadur, Garh .	The Concept of Moksa in the Poetry of Guru Nanak in the 500 Background of Ancient Indian Thought.  <u>BENGALI</u>		Books
51.	Shri A.K.Biswas, Lecturer, Sonamukhi College, Sonamukhi (Bankura)	The influence foreign and local on the works of Michael Madhusudan Datta and His own Unique Achievement.	500	Books
52.	Shri S.B.Roy, Lecturer, Goenka College, Commerce and Business Administration, Calcutta University.	Sister Nivedita her contri- bution and influence on Renaissance in India specially in Bengal.	1000	Books
53.	Km.Archana Mujamdar, Lecturer, Patna University.	Treatment of Tatsama (Sanskrit Words) in Bengali literature.	500	Books
54.	Shri B.C.Ghose, Lecturer, Dinabandhu Mahavidyalaya, Bongaon.	Allegory and Symolism in Bengali literature.	500	Books

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<u>MAITHILI</u>				
55.	Shri K.L.Jha, Lecturer, Janta College, Jhangharpur.	Maithili Men Vairagi Sant Parampara Avam Laximnath Goshain.	700	Books and Field Work.
56.	Shri Ramdeo Jha, Lecturer, C.M.College, Darabanga.	Sahiva Literature in Maithili.	700	Books and field work.
57.	Dr.Lekh Nath Mishra, Lecturer, Patna College.	The history and Palaeo- graphy of Maithili Script.	500	Field Work
58.	Dr.Shailendra Mohan Jha, Lecturer, C.M.College Darbhanga.	Varna Ratnakar Kosha	500	Books
<u>ASSAMESE</u>				
59.	Shri N.P.Bordoloi, Head of the Department, B.Barooah College, Gauhati.	Treatment of nature in Assamese Poetry.	500	Books
60.	Km.Nirmali Das, Lecturer, Bajali College Pathaala Kamrup(Assam).	Development of Assamese Prose.	500	Books
61.	Dr.S.N.Sarma, Secretary, P.G.Departments, Gauhati University.	Medieval Dramas of Assam Bengal, Hithila and Nepal (14th to 18th Century)	1000	Books and Field Work.
62.	Shri Sabreswar Rajguru, Lecturer, Nowpong College, Nowpong.	Medieval Assamese Society - As gleaned from contemporary Biographical and Historical Literature (1228-1826)	1000	Books and Field Work.
63.	Parikshit Hazarika, Lecturer, Kanoi College, Dibrugarh.	The Growth and Development of the Assamese Novel.	500	Books
<u>ORIYA</u>				
64.	Shri Janaki Ballav Mohanty, Lecturer, Ravenshaw College, Cuttack.	The role of Orissan Jatras in the study the Indian Theatres.	1000	Books and Field Work.
<u>KANNADA</u>				
65.	Shri M.H.Krishnaiah, Lecturer, Government College, Bangalore.	Kannada Shataka Sahitya	500	Books

1.	2.	3.	4.	5.
<u>ORIYA</u>				
66.	Dr. Kanhu Charan Mishra, Senior Lecturer, Ravenshaw College, Cuttack.	The Mediaeval Religious Movements in Orissa and their impact on the life and literature of the region.	500	Books.
<u>LINGUISTICS</u>				
67.	Shri G.M. Patil, Lecturer, Government College of Arts, Aurangabad.	Language Survey of Dialects in Marathwada.	1000	Books and Field work.
68.	Shri T.N. Singh, Lecturer, Lucknow University, Lucknow.	Structure of Awadhi	500	Books
69.	Dr. D.D. Sharma, Lecturer, Panjab University, Chandigarh.	Phonology of Kumauni (with special reference to Dardo-Pahari) governing the area from Kashmir to Nepal.	1000	Books and Field work.
<u>MARATHI</u>				
70.	Shri Bhilwadikar, Shripad Ramachandra Full time Tutor in English, Paile College, (Bombay University)	Western Influence in Marathi theatre.	200	Books
71.	Shri Bapu Shamrao Kumbhojkar, Lecturer, Ramakrishna Paramhansa Mahavidyalaya, Osmanabad.	Critical Study of Mythological and Historical Dramas in Marathi.	500	Books
<u>HISTORY</u>				
72.	Shri M.N. Acharyya, Lecturer in History, Gauhati University, Gauhati.	A bibliography of Medieval Assam	1000	Books and Field Work
73.	Shri Balram Srivastava, Lecturer, Banaras Hindu University, Varanasi.	The Evolution of Cult Art in Orissa.	2000	Books and Field work.
74.	Shri J.F. De Souza, Professor, Elphinstone College, Bombay.	The symbol of the Double Headed Eagle - its origin Diffusion and Significance	1000	Books and Field work

1.	2.	3.	4.	5.
75.	Shri J.N.Rastogi, Head of the Deptt. Modi College, Modinagar.	'Legal, Institutions in Ancient India'.	1000	Books & Field work.
76.	Shri M.L.Kapur, Lecturer, J & K University, Jammu.	Social & Economic condi- tions in the Jammu and Kashmir State from 1885 - 1925"	1000	Field work
77.	Shri P.G.Bhatt, Reader, M.G.M.College Udipi, S.K.(Mysore State).	A study of the Architecture and sculptures of the thousand Pillared Basadi of Moodbidri South Kanara.	500	Books and Fieldd Work.
78.	Shri Sheo Ratan Lal Verma Asstt.Professor, Government College, Khargone.	Military Organisation of the Rajputs (725 -1526)	500	Books & Field work.
79.	Shri S.K.Pandey, Assistant Professor, University of Saugar, Sagar.	A study of the Pre-historic paintings in Mahakoshal inclu- ding Bhopal and Raisen districts.	1000	Field work.
80.	Shri P.B.Gadre, Head of the Department, Ahmednagar College, Ahmednagar.	Socio-Ecnomic and Archaeo- logical Survey of Ahmednagar City.	1000	Field work
81.	Shri N.B.Sarkar, Kharagpur College, Kharagpur.	Cultural contact of Bengal with Greater India.	1000	Books and Fieldd work
82.	Dr.S.P.Sangar, Panjab University, Chandigarh.	Hindu Social life in Mughal India	1000	Books and fieldi work.
83.	Shri Prakash Shukla, Lecturer, Birla Institute of Technology & Science, Pilani.	Indo -Pakistan Relations (1956- 60 )	500	Books and Fieldi work
84.	Shri R.S.Avasthi, Christ Church College, Kanpur.	Bramanical Inconography at Khajuraho with reference to Siva,Sakti Brahma and other dieties".	500	Books and Fieldi Work.
85.	Shri L.K.Tripathi, Lecturer, Banaras Hindu University, Varanasi.	Evolution of Temple Archi- tecturer in Northern India.	1000	Field work
86.	Shri Z.L.Jala, Lecturer, Jammu & Kashmir University, Srinagar.	Social and Economic con- ditions in the Jammu & Kashmir State from 1846 to 1885 A.D.	500	Field work.



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		<u>MUSIC</u>		
87.	Dr. K.M. Verma, Reader, Rabindra Music and Dance, Sangita Bhavana, Santiniketan, West Bengal.	Collection of the Kathakali Dance Tech. Terms in Malayalam From the Masters Pesiding in Kerala.	1000	Field work
88.	Mrs. Madhuvani Mukund Mirashi Head of Music Department, S.N.D.T. College, Queens Road, Bombay-1.	The nature of Musical Expression.	500	Equipment and Field work.
		<u>FINE ARTS</u>		
39.	Smt. Sita Sharma, Lecturer, in Drawing & Paintings, Meerut College, Meerut University.	Krishna Legend in Rajasthani Paintings.	300	Field work
		<u>POLITICAL SCIENCE</u>		
90.	Shri J. Bandyopadhyaya, Reader, Jadavpur University, Calcutta-32.	Politics in a Developing Society, India a case study.	1000	Field Work.
91.	Shri K.L. Kamal, Lecturer, Rajasthan University, Jaipur.	Evolution of Political Parties in Rajasthan.	500	Field work.
92.	Shri M. Chatterjee, Lecturer, K.C. College, Hhetampur, (West Bengal).	Problems and prospects of Panchayat, System in West Bengal.	500	Books & Field Work.
93.	Shri P. Natarajan, Lecturer, Sir Theagaraya College, Madras.	Panchayat Administration in Tiruvalur Taluk (Madras State).	500	Books & Field work.
94.	Shri Vishnpo Bhagwan, Lecturer, Government College, Rohtak.	Municipal Government and Politics at Rohtak.	500	Books & Field work.
95.	Shri H.T. Ramakrishna, Lecturer, Kialpataru College, Tiptur.	An Exploratory Study of Nonvoting.	1000	Books and Field Work.
96.	Shri R.P. Singh (Head) R.S. College, Tarpur (Monghyr) Bihar.	The organisation and the working of District Boards in Bihar.	500	Books and field work.

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1.	2.	3.	4.	5.
97.	Shri R.N.Jha, Lecturer, Indian School of International Studies, New Delhi.	The U.S.A. and the Kashmir Problem ; A case study in a great Power's attitude to- wards Localised conflict.	200	Books & Field Work.
98.	Shri K.S.Lal, Lecturer, B.N.College, Patna.	People & Government of Federation Malaya (Malayaia).	250	Books & Field Work.
99.	Shri Vishnu Prasad, (Head) Gaya College, Gaya.	Nature and working of Indian Administration Tribunals with special reference to Bihar.	300	Books and Field work.
			<u>LAW</u>	
100.	Shri P.Goplakrishnan, Lecturer, Lucknow University, Lucknow.	An Enquiry into the Nature Genesis & Causes of Bank Disputes & How far the Awards has settled it so as to ensure industrial peace and harmony.	500	Books and Field Work.
101.	Dr.A.T.Markose, Prof.& Head of the Deptt. of Law University Centre, Ernakulam.	The Preparation of a Source book on Kerala Land Tenures.	500	Books and Field Work.
		<u>ECONOMICS</u>		
102.	Shri A.A. Siddiqi, Reader, Aligarh Muslim University, Aligarh.	Indian Economic Thought in the 19th Century.	500	Books.
103.	Shri A.V.Rangachari, Lecturer, Annamalai University, Annamalainagar.	Rent Theory and Pattern of Rent in Madras State.	500	Books & Field Workk
104.	Shri R.Sankararamalingam, Lecturer, Annamalai University, Annamalainagar.	Economics and Banana Cultivation in Madras State.	500	Books and Field work.
105.	Shri D.N.Prasad, Professor, Vardhamen College, Bijnor.	External Resources in Economic Development of India.	500	Books and Field work.
106.	Dr.Balasubramanian, Reader, Annamalai University, Annamalainagar.	Saving & Capita formation among working class in the organised sector in Madras State since 1951 with ref. to some selected large scale industries.	500	-do-

1.	2.	3.	4.	5.
07.	Dr.M.H.Patel, Professor and Head V.S.Patel College of Arts & Science, Bilimora	Agricultural productivity input output Analysis in Agricultural production with special reference to Bulsar District (Gujarat State)	500	Field Work.
08.	Shri G.D.Kulkarni, Assistant Professor Gokhale Institute of Economics, Poona.	Trade Associations in India.	750	Books and Field work.
09.	Shri S.N.Chaturvedi Lecturer, M.L.B.College, Gwalior.	Economic aspects of Man Made Fibre Industry in India.	500	Field work.
10.	Shri N.P.Vyas, Reader, Gujarat Vidyapith, Ahmedabad.	Determinants of cropping pattern W.s.r. to two districts of Gujarat State.	570	Books & Field Work.
11.	Shri B.R.Mahadeo, Lecturer, Dr.B.A.College of Arts Science & Commerce, Mahad Kolaba.	A socio Economic Study of the Families of coppersmiths in Kolaba District, Maharashtra	500	Books
112..	Shri J.Denaid Somasundram, Lecturer, Deptt.of Business Management & Industrial Administration, University of Delhi.	The Study of Management through systems analysis and systems an applications of the approach to the Chemical Industry.	750	Books and Field Work.
113..	Dr.Abad Ahmad, Reader, Deptt.of Business Manage- ment & Industrial Adminis- tration, University of Delhi.	Survey of Management Prac- tices in selected Indian Industries.	750	Books and field work.
114..	Dr.J.K.Irani, Reader & Head of the Deptt. of Post graauate studies & Research in Commerce Manangotri, University of Mysore.	A study of the working of the Regulated Market Mysore .	500	Field work.
115.	Shri Sami Uddin, Lecturer, Department of Commerce, Aligarh Muslim University.	A critical study of cooperative farming with reference to Aligarh District.	500	Field work.
116.	Sh.H.K.N.Mishra, Lecturer, Deptt.of Commerce & Hausa, Administration, Allahabad University.	Financing of new companies in India.	200	Field work.

1.	2.	3.	4.	5.
117.	Shri Mahesh Chandra, Lecturer, Ramjas College, Delhi.	Nationalised Road Transport in U.P.	300	Books & Field work.
<u>SOCIOLOGY</u>				
18.	Dr.V.S.Sharma, Lecturer, Government College, Baran.	A study into the utilisation of the Manpower of students.	500	Field work
19.	Prof.V.S.Vanikar, Principal, B.Ed.College, Bhavnagar.	Survey of Top Ranking students (as judge from their examination result of 1967) of different classes from S.S.C.(Gujarat Board) to the First Degree Exam. of Gujarat University with reference to their I.Q.Methods of study Environmental condition, Health etc.	1000	Books and Field work.
20.	Leela Dube, Assistant Professor, Saugar University, Sagar.	Impact of Islam on mitriiny in Laccadives and Kerala.	1000	Field work.
21.	Shri Gadadhar Mohapatra, Khallikote College, Berhampur.	Sadha Saoras (A study on Hinduization of a Tribal Community in Orrisa).	500	Books and Field Work.
22.	Mrs.Chandra Bharill, Lecturer, Malviya Regional Engineering College, Jaipur.	Social and Political Ideas of Dr.B.R.Ambedkar.	500	Books and Field Work.
<u>PHILOSOPHY</u>				
23.	Shri B.N.Kar, Lecturer, Utkal University, Bhubaneswar.	The theories of error in Indian Philosophy.	500	Books
<u>EDUCATION</u>				
24.	Miss Gita Bose, Lecturer in Education, Calcutta University, Science College, Calcutta.	Backwardness in Tibetan Children (Darjeeling, West Bengal).	500	Books
25.	Sh.Ghulam Rasool, Instructor, Education Department, Gorakhpur University.	A study of leadership amongst youth in our Secondary schools.	500	
26.	Sh.Brijesh Kumar Gumashta, P.G.B.T.College, Ujjain.	Missions to Indian Education from 1800 to 1900.	500	Books and field work.

1.	2.	3.	4.	5.
127.	Shri Govind Narain Bhardwaj, Lecturer, S.S.G.T.T.College, Jaipur.	Effectiveness of concepts in Mathematics in the higher secondary curriculum.	750	Books & field work.
128.	Shri S.M.Mosavi, Head of Education Department, Shibli National Degree College, Azamgarh (U.P.)	An investigation into the attitudes of undergraduates girls of Azamgarh District towards marriage and teaching professions.	500	Books and Field work.
129.	Sh.S.M.Aggarwal, Lecturer, Govt.Training College, <u>Solan</u> (H.P.)	Evaluation of the Higher Secondary(Core)curriculum in Mathematics of the Panjab University in terms of content and objectives.	750	Books and field work.
130.	Sh.Pramod Kumar Jain, Lecturer in Education, Meerut College, Meerut.	A study of the personality Traits of Pupils who are socially accepted socially neglected and socially rejected.	300	
<u>PSYCHOLOGY</u>				
131.	Shri Beer Singh, Lecturer, D.Jain College, Baraut.	Development of F and K Validatory scales and Pt.Sc.D.Pa,Ma clinical scales of the M.M.P.conditions	500	Books and field work.
132.	Shri Jaladhar Mullick, Lecturer in Psychology, M.B.B.College,Agartala, Tripura.	Structure of Sterotypes of the Tribal and non-tribal students of Tripura.	500	Books and field work.
133.	Miss Santi Das, Lecturer, Rammohan College, University of Calcutta.	The Role of social maturity over educational achievements of School Children.	750	Books
134.	Sh.Lala Indu Bhushan, Lecturer, Department of Psychology, Bhagalpur University.	To study the relationship between certain personality correlates and indicated preference for democratic and authoritorial types of leadership.	500	Books and filed work.
<u>LIBRARY SCIENCE</u>				
135.	Sh.Vasant Vishnu Nulkarni, Head of the Department of Library Science, Nagpur University.	Academic Library system of Maharashtra State.	500	Books and field work.

EXTENSION IN THE TENURE OF AWARD GRANTED TO THE AWARDEES  
UNDER THE SCHEME OF 'UTILISATION OF THE SERVICES OF  
RETIRED TEACHERS' .

No.	Name of the Awardee and Centre of Work.	Subject	Period of Extension	
			From	to
	Prof. S.K.Ghosh Patna University.	Engineering and Technology.	16.2.1967	15.2.1968
	Shri A.P.A.Brito Muthunayagam, Kerala University.	Agricultural Chemistry	1.4.1967	31.3.1968
	Shri E.J.Vorghese, Agricultural College, Vellayani.	Agriculture	15.3.1967	14.3.1968
	Shri K.Srinivasachari Annamalai University.	Sanskrit	10.4.1967	9.4.1968
	Shri K.Venkataramappa, Mysore University.	Kannada	6.4.1967	5.4.1968
	Shri T.S.Shama Rao, Mysore University.	Kannada	5.3.1967	4.3.1968
	Shri A.A.A.Fyzee, Bombay University.	Law	7.4.1967	6.4.1968
	Dr. M.M.Bhattacharya, Rabindra Bharati.	English	1.4.1967	31.3.1968
	Shri R.N.Chaudhuri, Allahabad University.	Mathematics	1.4.1967	31.3.1968
	Prof. D.D.Vadekar, Poona University.	Philosophy	20.6.1967	19.6.1968
1.	Shri D.L.Narasimhachar Mysore University.	Kannada	1.4.1967	31.3.1968
2.	Dr. S.L.Katre, Vikram University.	Sanskrit	1.4.1967	31.3.1968
3.	Dr. J.D.Tewari, Allahabad University.	Chemistry	1.4.1967	31.3.1968
4.	Shri S.Rangachar, Mysore University.	Sanskrit	4.4.1967	3.4.1968
5.	Prof. G.C.Basu, Rabindra Bharati	Bengali	9.4.1967	8.4.1968
6.	Shri G.P.Rajaratnam, Central College, Bangalore.	Kannada	1.4.1967	31.3.1968
7.	Shri M.P.Srivastava, Allahabad.	Physics	1.7.1967	30.6.1968
8.	Dr. A.C.Sen, Ranchi University.	Zoology	20.7.1967	19.7.1968

S.No.	Name of the awardee and Centre of Work.	Subject	Period of extension	
			From	To
19.	Shri Lalji Ram Shukla, Kashi Vidyapith, Varanasi.	Education	10.8.1967	9.8.1968
20.	Dr.G.D.Rasheed, Osmania University.	Persian	8.6.1967	7.6.1968
21.	Dr.M.V.Krishna Rao, A.P.College of Arts Commerce and Science, Bangalore.	Political Science.	1.7.1967	30.6.1968
22.	Dr.K.K.Sharma, Meerut College, Meerut.	Commerce	1.7.1967	30.6.1968
23.	Prof.S.S.Bhawe, Bombay University.	Sanskrit	17.3.1967	16.3.1968
24.	Shri K.Balarama Panicker, Kerala University.	Sanskrit	22.7.1967	21.7.1968

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RESEARCH SCHOLARSHIPS - ALLOCATION  
FOR THE YEAR 1967 - 68.

S.No.	University	No. of Scholarships allocated
1.	Agra	5
2.	Aligarh	10
3.	Allahabad	12
4.	Andhra	12
5.	Annamalai	8
6.	Banaras	12
7.	Bangalore	6
8.	Baroda	8
9.	Bhagalpur	2
10.	Bihar	2
11.	Bombay	8
12.	Burdwan	6
13.	Calcutta	15
14.	Delhi	12
15.	Dibrugarh	2
16.	Gauhati	3
17.	Gorakhpur	3
18.	Gujarat	2
19.	Indore	2
20.	Jabalpur	4
21.	Jadavpur	5
22.	Jammu & Kashmir	4
23.	Jivaji	2
24.	Jodhpur	2
25.	Kalyani	2
26.	K.S.Darbhanga Sanskrit Vishvavidyalaya	1
27.	Karnatak	8
28.	Kerala	8
29.	Kurukshetra	4
30.	Lucknow	10
31.	Madras	15
32.	Madurai	6
33.	Magadh	2
34.	Marathwada	2
35.	Meerut	2
36.	Mysore	10
37.	Nagpur	6
38.	North Bengal	2
39.	Osmania	8
40.	Panjab	12
41.	Patna	6
42.	Poona	10
43.	Panjabi	4
44.	Rabindra Bharti	1
45.	Rajasthan	8
46.	Ranchi	2
47.	Ravi Shankar	2
48.	Roorkee	4
49.	Sardar Patel	4
50.	Saugar	6
51.	Shivaji	2
52.	Sri Venkateswara	6
53.	Udaipur	4
54.	Varanaseya Sanskrit Vishvavidyalaya	2



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S.No.	University	No.of scholarships allocated
55.	Vikram	3
56.	Visva Bharati	2
57.	Kashi Vidyapeeth	1
58.	Birla Institute of Technology & Science, Pilani.	4
59.	Gujarat Vidyapith	2
60.	Utkal	2
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	Total	320
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Annexure I to Item No.2(a-38).

HUMANITIES SECTION

ESTABLISHMENT OF HOBBY WORKSHOP

Name of the University	Date of approval	Year of appointment of the staff	Date upto which recurring assistance may be provided.	Remarks
1	2	3	4	5
1. Aligarh Muslim University.	8.7.1959	1959-60		Being finalised
2. Baroda University.	17.11.1959	1961-62		being Finalised
3. Delhi University	25.3.1960	1960-61		Recurring grant has been paid in full.
4. Nagpur University.	10.6.1958	1961-62		Final instalment of Rs.1000/- is to be paid.
5. Poona University.	19.9.1958	1960-61		Recurring grant has been paid in full.
6. Roorkee University.	22.3.1960	1961-62		Being finalised.
7. Saugar University.	14.6.1958	1959-60		Recurring grant has been paid in full.
8. Sri Venkateswara University.	3.7.1959	1961-62		Being finalised.
9. Annamalai University.	4.5.1965	Not appointed		) ) ) ) Upto the end of IV Plan.
10. Banaras Hindu University.	13.8.1963	-do-		
11. Gujarat Vidyapith.	8.9.1964	-do-		
12. Jadavpur University.	31.1.1963	-do-		
13. Karnatak University.	25.5.1964	1965-66	1969-70	
14. Nashi Vidyapith.	31.X.1964	Not appointed		Upto the end of 4th Plan
15. Madras University.	12.2.1959	1963-64	1967-68	
16. Rajasthan University	7.2.1962	1965-66	1969-70	
17. Visva Bharati.	16.11.1959	Not appointed		Up to the end of 4th Plan.

Record of discussion with Shri L.R. Nair, Director,  
Institute of Mass Communication and Shri Shankar  
Narain, Audio-visual Department NCERT.

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The Commission, at its meeting held on May 3, 1967 desired that the question whether the facilities now provided by the University Film Council could be provided by the department of Audio-Visual Education of the NCERT or the institute of Mass Communication be further examined. In pursuance of this decision, the Chairman, Secretary, Joint Secretary and D.O.(H) had a discussion with Shri L.R. Nair Director, Institute of Mass Communication, New Delhi and Shri Shankar Narain, officiating Head of the department of Audio-Visual Education of the NCERT in the U.G.C. office on June 17, 1967.

At the outset, the Secretary gave background information about the origin and the activities of the University Film Council since its inception in 1959 and of the events leading to the Commission's resolution's cited above.

Mr. Nair said that the Institute of Mass Communication would be happy to take over this programme if necessary funds were provided for the purpose by the Government (Ministry of Information & Broadcasting). Mr. Nair also felt that it should be possible to have assistance from the UNESCO and other national and international voluntary organizations for such a programme.

A view was expressed that association of the Institute of Mass Communication with the activities pursued so far by the University Film Council would be welcomed by the universities especially in view of the fact that the Institute was doing work in the field and would soon be a part of the proposed Nehru University.

Shri Shankar Narain said that the department of Audio-Visual Education of the NCERT had more than 4,000 titles of films and about 6,000 prints in its library and about 10% of these films would be suitable for university audiences. In fact the Film Council used to borrow from them heavily the films they supplied to the universities and they could directly supply the needs of universities if finances were provided.

Mr. Nair kindly agreed to prepare a brief note on the organizational set up and financial resources which would be required by the Institute of Mass Communication in the event of its providing facilities now provided by the University Film Council.

The Chairman said that it would be important to find the reaction of the users to the programmes sponsored by the University Film Council. The question of funds was important but more important was the worthwhile-ness of the whole programme. He suggested that a sample study be made of the implementation of the scheme, including students' reactions in the universities of Delhi, Panjab and Aligarh. The study may also assess:(a) the kind and level of the activities pursued by the University Film Clubs in these universities with the cooperation of the University Film Council and independently (b) whether it is desirable to develop this activity further on its merits and (c) the resources and the organization that would be needed to implement the programme for the next five years.

It was agreed that this study may be conducted at an early date jointly by the University Grants Commission and the Institute of Mass Communication and department of Audio-Visual Education of NCERT.

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.3: To approve the statement of grants released after the last meeting of the Commission held on 3rd May, 1967.

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P L A N

Name of the University	Purpose	Grant released
1	2	3
1. Agra.	Grant towards holding a Summer School in Geography.	6,600
	Unassigned grant for the Fourth Plan period.	11,000
	Cultural Exchange programme between India and Hungary for the year 1966-67.	230.05
	<u>Affiliated Colleges.</u>	
Govind Ballab Pant Degree College, Kachla.	Grant towards revision of salary scales of teachers as per II Plan Scales of pay.	140
D.S.M. Degree College, Kanth (Moradabad).	-do-	567.74
Moti Ram Babu Ram Degree College, Haldwani.	-do-	245.64
Dayanand Arya Kanya Degree College, Moradabad.	-do-	1,301.25
Women's Training College, Dayal Bagh, Agra.	-do-	634.24
Almora College, Almora.	-do-	525.48
Kanya Mahavidyalaya Degree College, Bareilly.	-do-	261.28
Shiv Kastriya College, Shikohabad.	-do-	278.21
S.R.K.(P.G) College, Firozabad.	-do-	132.27
Narain Degree College, Shikohabad.	-do-	693.73
Bareilly College, Bareilly.	Development of postgraduate studies in Humanities and Social Sciences.	15,000
S.R.K.(P.G) College, Firozabad.	Expansion of Science Education	7,000
Kishori Raman College, Mathura.	-do-	10,000
B.S. Agarwal College, Mathura.	-do-	14,500
Gokal Dass Hindu Girls' College, Moradabad.	-do-	45,000
G.B. Degree College, Kachla.	Establishment of Non-Resident Students' Centre.	3,000
B.S. Agarwal College, Mathura.	Establishment of Hobby Workshop.	500
Diggambar Jain College, Baraut.	-do-	2,155

p.t.o.

C.L. Jain College, Firozabad.	Construction of staff quarters and purchase of equipment for Physics and Chemistry.	10,000
St. John's College, Agra.	Renovation of three hostel buildings.	1,059
B.R. College, Agra.	Remodelling of the Central Block const- ruction of an additional Block for class rooms and Auditorium and purchase of furniture and equipment.	20,000
Agra College, Agra.	Contingency grant for Sr. Research fellowships in Humanities.	1,000
St. John's College, Agra.	-do- Jr. research	500
K.G.K. Postgraduate College, Moradabad.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	375
Bareilly College, Bareilly.	-do-	500
Agra College, Agra.	-do-	750
Christ Church College, Kanpur.	-do- Science Engg. & Technology.	500
S.D. College, Ghaziabad.	-do- in Humanities & Social Sciences.	250
Vardhman College, Bijnor.	-do-	250
D.S.N. College, Unnao.	-do-	1,000
A.K.P. Degree College, Khurja.	-do-	250
R.M.P. Degree College, Sitapur.	-do-	250
St. John's College, Agra.	Development of postgraduate deptt. of Physics.	30,000
B.R. College, Agra.	-do- Physics & Chemistry.	36,000
M.K.P. Degree College, Dehradun.	Construction of permanent short shooting range.	400
G.M. College, Chandausi.	Purchase of water cooler.	373
Kisan Degree College, Dehradun.	-do-	430.96
Almora Degree College, Almora.	Establishment of Text Book Library.	1,000
M.K.P. College, Dehradun.	-do-	1,000
B.S. Agarwal College, Mathura.	-do-	1,000
D.A.V.(P.G) College, Bullandshaher.	-do-	1,000
Jain Girls' Degree College, Muzafarnagar.	Establishment of Students Aid Fund.	500
A.K.P. Degree College, Hapur.	-do-	762
K.R. Degree College, Mathura.	-do-	952
National Degree College, Bhagaun.	-do-	1,040
Janta Agriculture Degreed College, Ajitmal.	-do-	1,234
Agra College, Agra.	-do-	2,000
P.P.N. College, Kanpur.	-do-	1,050
V.S.S.D. College, Kanpur.	-do-	3,000
Gujar Agricultural Degree College, Rampur.	-do-	662
Gung Dundwara College, Gunjdundwara.	-do-	1,500
Digambar College, Dibai.	-do-	661
P.C. Bagla College, Hathras.	-do-	1,500
	Total:	<u>2,42,513.85</u>

2. Aligarh Muslim University.

Grant for Aligarh Pre-election Survey project.	1,000
Construction of the building for the Deptt. of Mathematics.	50,000
Improvement of water supply and Gas connections.	38,474
Purchase of library books and journals in Science subject.	40,000
Grant towards the salaries of additional staff for the development of Humanities departments.	40,000
Grant for research work in Himalayan Geology.	4,734
Unassigned grant for the Fourth Plan period.	22,500
Extension in fellowship tenure in Sr. Research fellowships in Science/Humanities.	2,990.32
Contingency grant for Junior Research fellowships in Humanities.	1,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
-do-	250
-do- Science Engg. &	250
-do- Technology.	500
-do- Humanities and Social Sciences.	250
-do-	250
Purchase of equipments under the scheme of separate laboratories and workshops for the University Polytechnic.	80,000
Grant-in-aid for the establishment of a Girls' Polytechnic.	8,000
-do-	20,000
Grant-in-aid for the construction of Civil Engineering, laboratories Bldg.	35,000
Award of fellowships to Post-graduate students.	18,000
Payment of recurring grant for appointment of Training and Placement Officer during 1964-65 and 1965-66.	4,177
Payment of Recurring grant for Draftsmanship Certificate Course at the University Polytechnic.	10,000
Payment of recurring grant for the introduction of 5-year integrated course at the College of Engineering.	50,000
Construction of Hostel for 100 Men students.	2,496.60
Construction of Hostel for 480 Engg. students.	1,00,000
Construction of staff quarters for teaching staff of Medical College.	50,000
-do- Non-teaching staff.	50,000

Aligarh Contd:

Construction of hostel for 325 Men students for Medical College.	1,00,000
Construction of building of the Jawaharlal Nehru Medical College.	1,50,000
Purchase of furniture for Jawaharlal Nehru Medical College.	25,000
Purchase of equipment for Jawaharlal Nehru Medical College.	1,00,000
Total:	10,05,121.92

3. Allahabad.

Grant towards holding a seminar on teaching Non-Indian History.	5,000
Unassigned grant for the Fourth Plan period.	13,500
Purchase of Scientific equipment for various science deptts.	1,09,000
Grant towards holding a Summer School in Zoology.	11,000
Extension in fellowship tenure of Sr. Research fellowships in Humanities.	3,000
-do-	3,000
Utilisation of services of retired teachers.	4,500
-do-	1,000
Contingent grant for -do-	473.37
Financial assistance to teachers for research work in Science, Engg. and Technology.	250
-do-	500
-do- science subjects	500
-do-	500
-do-	500
-do-	1,000
-do-	750
-do- Humanities and Social Sciences.	375
-do-	100
-do-	250
Cultural Exchange programme between India and Hungary.	57.97

Affiliated Colleges.

Ewing Christian College, Allahabad.	Grant towards revision of salary scales of teachers as per II Plan scales of pay.	382.83
C.M.P. Degree College, Allahabad.	Expansion of Science Education.	12,123
M.N.R. Engg. College, Allahabad.	Financial assistance to teachers for research work in Science, Engg. and Technology.	500
	Total:	1,68,332.17

p.to

4. Andhra.

Basic grant for the purchase of Scientific equipment.	56,000
Unassigned grant for the Forth Plan period	13,500
Payment for organising Summer Institute in Physics for School teachers.	10
Grant towards arrears of pay of teachers of Akkineni Nageswara Rao College, Gudivada for the period 1964-66.	2,658.43
Construction of Teachers' Hostel.	20,000
Construction of Gandhi Bhavan.	10,000
-do- Guest House.	10,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	2,393.98
Award of Jr. Research fellowships in Humanities and Social Sciences.	4,975
Contingent grant for utilisation of services of retired teachers.	1,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
-do-	250
-do- Humanities and Social Sciences.	250
-do-	250
Payment of recurring grant under the scheme of introduction of Postgraduate Courses in Electrical Engineering.	64,000
-do- Civil Engineering.	35,000
Basic grant for the purchase of library books and journals for the development of Engg. and Technological education.	30,000

Affiliated Colleges.

Himdu College, Guntur.	Construction of N.R.S. Centre Bldg.	18,000
A.N.R. College, Gudivada.	-do- Science Laboratory Buildings.	9,000
Gowt. Arts College, Rajahmundry.	Centenary grant for the construction of Geology Block.	10,000
Maharaja's College for Women, Vizianagram.	Establishment of Students' Aid Fund.	664
P.R. Govt. College, Kakindda.	-do-	3,000
The Narsapur College, Narsapur.	-do-	250
D.M.R. College, Bhimavaram.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	150
The Narsapur College, Narsapur.	-do- Humanities & Social Sciences.	250

Total: 2,91,851.41

p.t.o



5. Annamalai.

Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
-do-	250
-do-	250
-do- Science subjects.	750
-do-	1,000
Construction of a hostel for the Centre of Advanced Study in Marine Biology at Porto Novo.	75,000
Grant-in-aid for the construction of building of Muthiah Polytechnic.	60,000
-do- Development of Engg. and Technological education.	10,000
Grant-in-aid towards the purchase of library books/journals in Engg./Technology.	30,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	1,794.19
Award of Junior fellowships to the students of Post-graduate Courses in Engineering/Technology.	39,000
Grant for organising Summer Institute in Chemistry for School teachers.	294.48
Unassigned grant for the Fourth Plan period.	13,500
Grant towards expenditure on Field Training of M.Sc. Geology students.	1,480
Total:	<u>2,33,568.67</u>

6. Banaras Hindu University.

Grant towards holding a Summer Institute in Indian History.	16,000
Grant towards construction of Archaeology block of the College of Indology.	30,000
Grant towards the award of LL.B and LL.M Scholarships to law students.	29,000
Grant towards the T.A. and D.A. of experts on the preparation of Historical Grammar of Hindi language.	446.80
Unassigned grant for the Fourth Plan period.	22,500
Extension in fellowship tenure of Junior Research fellowships in Humanities.	1,800
-do-	1,800
-do-	3,000
Contingency grant for Junior Research fellowships in Humanities.	1,000
-do-	1,000
Award of Research fellowships in Chemical Engg. at the College of Technology.	5,000
-do-	371.42

Banaras Hindu Univ. Contd.

Award of Junior fellowships to students admitted to the postgraduate courses other than those approved by the A.I.C.T.E.	1,500
Award of Junior fellowships for the postgraduate Course in Coal mining and Metal Mining.	15,000
-do- Chemical Engg. & Technology.	8,000
-do- Chemical Engg.	5,000
-do- Advanced Metallurgy.	15,685.48
Financial assistance to teachers for undertaking research or learned work in Science subjects.	150
-do-	150
-do-	750
-do-	500
-do-	1,000
-do-	500
-do- Humanities and Social Sciences.	500
-do-	1,000
-do- Science, Engg. and Technology.	250
Grant-in-aid for introduction of 5-year integrated Course at the College of Mining & Metallurgy.	50,000
Grant-in-aid for reorganisation of Courses in Applied Arts.	1,33,700
Grant towards the "Electric supply Reorganisation Scheme".	1,00,000
Construction of 12 staff quarters for Technicians of the College of Medical Sciences.	20,000
Grant for meeting the extra expenditure on account of revision of scales of pay of teachers in the Schools run by the University.	2,50,000
Total:	<u>7,15,978.70</u>

7. Bangal

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate & Training Colleges.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Cultural Exchange programme between India and Hungary for the year 1966-67.	264.98
-do- India & Yugoslavia	654.94
-do- India & U.S.S.R.	108.75
-do-	100
-do-	645.35

p.t.o

Bangalore Contd.

Affiliated Colleges.

Govt. College, Bangalore.	Purchase of Science equipment.	50,000
Mount Carmel College, Bangalore.	Construction of library building.	20,000
Central College, Bangalore.	Utilisation of services of retired teachers.	6,000
-do-	Contingent grant for utilisation of services of retired teachers.	1,000
A.P. College of Arts, Commerce and Science, Bangalore.	Utilisation of services of retired teachers.	4,500
St. John's Medical College, Bangalore.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	750
St. Joseph's College, Bangalore.	-do-	500
-do-	-do-	500
Maharani's College for Women, Bangalore.	-do-	750
Govt. College, Bangalore	-do- Humanities & Social Sciences.	250
Acharya Pathshala College of Arts, Commerce and Science, Bangalore.	Establishment of Students' Aid Fund.	2,500
College of Engg. Bangalore.	-do-	2,500
Mount Carmel College, Bangalore.	-do-	2,250
M.E.S. Teachers' College, Malleswaram, Bangalore.	-do-	591
Ramnarain Chellaram College of Commerce, Bangalore.	-do-	2,112
	Total:	<u>1,29,977.02</u>

8. Bhagalpur.

Purchase of books and journals for the Community Development Cooperation and Panchayati Raj.	2,500
Unassigned grant for the Fourth Plan period.	9,000

Affiliated Colleges.

Bharat Sewak Samaj College, Supaul.	Establishment of Non Resident Students' Centre.	10,000
R.S. College, Tarapur.	Financial assistance to teachers for research work in Humanities and Social Sciences.	250
-do-	-do-	250
G.B. College, Nangachhia.	-do-	150
T.N.B. College, Bhagalpur.	-do-	250
-do-	-do-	125
Deoghar College, Deoghar.	-do-	125

Bhagalpur Contd.

Purnea College, Purnea.	Establishment of Students' Aid Fund.	1,925
-do-	-do-	2,250
S.K.R. College, Barabigha.	-do-	1,380
R.S. College, Tarapur.	-do-	1,500
Purnea College, Purnea.	Construction of permanent short shooting range.	400
	Total:	30,105

9. Bihar.

Unassigned grant for the Fourth Plan period. 9,000

Affiliated Colleges.

Rajindra College, Chapra (Bihar).	Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
Janta College, Jhangbarpur.	-do- Humanities & Social Sciences.	350
C.M. College, Durbhanga.	-do-	250
-do-	-do-	350
Teachers' Training College, Samastipur.	-do-	250
Jagdish Nandan College, Madhubani.	Establishment of Students' Aid Fund.	500
Marwari Mahavidyalaya, Darbhanga.	-do-	500
JaiParkash Mahila College, Chapra.	-do-	794
Shri L.N. College, Muzaffarpur.	-do-	1,411
Gopeshwar College, Natha.	-do-	868
N.D.D.M. College, Muzaffarpur.	-do-	1,011
H.R. College, Madhubani.	-do-	3,000
Teachers' Training College, Turki.	-do-	610
Tirhut College of Agriculture, Dholi.	-do-	1,500
	Total:	20,644

10. Bombay.

Grant towards holding a Summer School in Science & Culture.	1,926
Purchase of library books and journals (Humanities).	20,000
Unassigned grant for the Fourth Plan period.	22,500
Contingency grant for Jr. Research fellowships in Humanities.	1,000
-do-	1,000
Utilisation of services of retired teachers.	6,000

Bombay Contd:

Cultural Exchange programme between India and West Indies.	789.85
-do- India and Hungary	436.05
-do- India & U.S.S.R.	400.81
-do-	597.96
-do-	472.21
-do-	369.19
-do-	850.60

Affiliated Colleges.

Sophia College, Bombay-26.	Expansion of Science Education.	25,000
Ruparel College, Bombay.	Construction of Library building.	25,000
St. Xavier's College, Bombay.	Utilisation of services of retired teachers.	5,137.93
Grant Medical College, Bombay.	Financial assistance to teachers for research work in Science, Engg. and Tech.	1,000
Parle College, Bombay.	-do- Humanities & Social Sciences.	100
St. Xavier's College, Bombay.	-do- science subjects.	750
K.C. College, Bombay.	-do- Humanities and Social Sciences.	500
Ramnarain Ruia College, Bombay.	-do-	1,000
Elphinistone College, Bombay.	-do-	500
N.N.D.T. College, Bombay.	-do-	250
Sophia College, Bombay-26.	Establishment of Students' Aid Fund.	2,500
M.M. College of Arts and M.M. Institute of Science, Bhavan's College, Bombay.	-do-	2,560
K.C. College, Bombay.	-do-	3,000
Ruparel College, Bombay.	-do-	3,000
Total:		<u>1,26,640.60</u>

11. Burdwan.

Cultural Exchange programme between India & Yugoslavia.	476.05
Basic grant for the purchase of Scientific equipment.	25,000
Unassigned grant for the Fourth Plan period.	9,000

Affiliated Colleges.

Sri Ramakrishna Sarada Vidya Mahapitha, Hoogly.	Purchase of equipment and furniture for Science laboratories.	22,000
Suri Vidya Sagar College, Suri.	Purchase of Laboratory equipment.	7,500
Bankura Sammilani College,	Improvement of library & laboratory facilities.	10,000
Bankura Christian College, Bankura.	Construction of Womens' Hostel.	2,000

Burdwan Contd:

Burdwan Raj College, Burdwan.	Financial assistance to teachers for research work in Humanities & Social Sc.	500
Balpur College, Balpur	-do- Science, Engg. & Tech.	250
-do-	-do-	250
-do-	-do- Science subjects.	1,000
B.N. Mahavidyalaya, Itachuna.	-do-	500
Raj College, Burdwan.	-do-	500
K.C. College, Hetampur	-do- Humanities and Social Sciences.	250
Banwarilal Bhatolia College, Asansol.	Establishment of Text Books Library.	4,000
Regional Engg. College, Durgapur.	Establishment of Students' Aid Fund.	2,250
Bolpur College (Day), Bolpur.	-do-	1,138
Netaji Mahavidyalaya, Arambagh.	-do-	2,250
Raja Peary Mohan College, Uttarpara.	-do-	2,000
Raja Ram Mohan Roy Mahavidyalaya Radhanagar.	-do-	738
Katwa College, Katwa.	-do-	3,000
Abhedananda Mahavidyalaya Sainthia, Birbhum.	-do-	700
Rampurhat College, Rampurhat.	-do-	2,088
Nistarini College, Purulia.	-do-	831
Triwendevi Bhalotia College, Raniganj.	-do-	2,250
Banwari Lal Bhalotia College, Asansol.	-do-	2,050
A Asansol Girls' College, Asansol.	Purchase of water cooler.	500
Total:		1,03,021.05

12. Calcutta.

'On account' grant towards one fellow- ship in the deptt. of Geography for understating research work in Himalayaan Geology.	1,670
'On account' grant towards the salary of 75,000 additional staff appointed in the various departments.	
Unassigned grant for the Fourth Plan period.	22,500
Purchase of library books and journals for the development of Engg. & Technological Education.	3,000
-do- for Science departments.	15,600
Construction of multistoreyed Science building (Eastern Block) for the Deptt. of Chemistry (Puri).	3,50,000
Grant for implementing the Three Year Degree Course Scheme in non-Govt. Colleges.	9,788.25

Calcutta Contd:

Cultural Exchange programme between India and Hungary.		677.89
-do- India and U.S.S.R.		283.30
Grant towards holding Refresher Course in History.		5,500
Grant for holding a Summer School in Physiology.		8,000
Grant towards the scheme of preparation of Topographical list of inscription.		3,000
Grant towards development of Linguistic studies.		50,000
Purchase of library furniture.		2,00,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.		500
-do-		500
Contingent grant for Senior Research fellowships in Engg. & Technology.		1,383.55
-do-		1,000
-do- Science		1,000
-do- Engg. & Tech.		1,000
-do-		1,000
Extension in Fellowship tenure of Sr. Research fellowships in Science.		3,000
-do- Engg. & Tech.		2,400
-do-		2,400
-do-		2,400
-do-		2,400
-do-		2,400
-do-		2,400
-do- Jr. Research		1,800
fellowships in Humanities.		
Award of Senior Research fellowships in Humanities.		6,000
<u>Affiliated Colleges.</u>		
Midnapore College, Midnapore	Purchase of Laboratory equipment and furniture.	3,500
Vidyanagar College, Vidyanagar.	Purchase of Library Books.	4,333
Uluberia College, Uluberia.	-do-	2,000
Ramsaday College Amta. (Howrah)	Improvement of library and laboratory facilities.	30,000
The Ramakrishna Mission Vidya Mandira, Belur Math.	Estt. of Hobby Workshop.	1,000
Temralipta Mahavidyalaya, Tamluk.	Estt. of Non Resident Students' Centre	5,000
Victoria Institution, Calcutta-9.	Construction of Women's Hostel.	30,000
Prabhat Kumar College, P.O. Contai Distt. Midnapore.	-do- Library building.	15,984
Sanskrit College, Calcutta.	-do-	20,000

Calcutta Contd.

Vivekanand Centenary College, Construction of Men's Hostel. P.O.Rohara(24-Praganas).		4,000
Asntosh College, Calcutta. Financial assistance to teachers for research work in Science, Engg. and Technology.		250
Sihri Chaitnya College, Habra.	-do- science subjects.	750
Ananda Mohem College, Calcutta-9.	-do-	1,000
Barasat Govt. College, Barasat.	-do-	250
Bangalori Evening College, Calcutta.	-do-	500
Midnapore College, Midnapore.	-do-	500
Kamkrishna Mission Residential College, Narendrapur.	-do-	500
Victoria Institution, Calcutta.	-do- undertaking research or learned work in science subjects.	5 00
Khargpur College, Kharagpur	-do-	500
R.E.B. College, Agartala(Tripura).	-do- Hum.& social sc.	250
Seth Soorajmal Jalan Girls' College, Calcutta.	-do-	125
Rammohan College, Calcutta.	-do-	375
Goenka College, Calcutta.	-do-	500
Dinabandhu Mahavidyalaya, Bongaon.	-do-	250
Presidency College, Calcutta. Contingency grant for Jr. Research fellowships in Humanities.		500
Ulberia College, Ulberia. Construction of permanent short shooting range.		400
-do-	-do-	500
Gobardanga Hindu College, Gobardanga.	-do-	400
Biagnon College, Baguon.	-do-	500
Khargpur College, Kharagpur. Purchase of water cooler.		500
Bangabasi Morning College, Estt. of Text Book Library. Calcutta		5,000
Krishnagar Women's College, Krishnagar.	-do-	5,000
S Surendranath College, Calcutta.	-do-	4,000
Sarojini Naidu College for Estt. of Students' Aid Fund. Women, Calcutta.		2,500
Krishanagar Women's College, Nadia.	-do-	500
-do- -do-	-do-	941
Panskura Banamali College, Panskura.	-do-	1,500
Harimohan Ghose College, Calcutta.	-do-	777
Sihri Sik Shyatan College, Calcutta.	-do-	2,250
Gobardanga Hindu College, Gobardanga.	-do-	3,000
Kandi Raj College, Kandi.	-do-	1,372
Seth Ananda Ram Jaipuria College, Calcutta.	-do-	3,000
Belda College Belda(Midnapore.)	-do-	656
Union Christian Training College, Berhampore.	-do-	1,072
Bajbul Milani Mahavidyalaya, Bajbul.	-do-	500
Jharg Ram Raj College, P.O. Jhargram.	-do-	130
Fakir Chand College Diamond Harborur (24-Praganas).	-do-	2,500
Bankim Sardar College, Tangrakhali.	-do-	802



Calcutta Contd:

City College, Calcutta.	Estt. Students' Aid Fund.	1,000
P.K. College, P.O. Contai, (Midnapore).	-do-	2,000
Vidyanagar Evening College, Calcutta.	-do-	3,000
Krishnagar College, Krishnagar.	-do-	1,744
	Total	<u>9,44,133.99</u>

13. Delhi.

Payment of recurring grant for Research scheme "Market Strategy and Distribution System of style Merchandise in India".	10,000
Award of national scholarships at the Centre of Advanced Study in Physics.	3,300
Unassigned grant for the Fourth Plan period.	22,500
Grant towards Architects' Fees.	25,000
Grant to meet expenses regarding accommodation etc. to the participants of the Seminar on Modern Techniques in the Historical Studies".	8,000
Grant for the organisation of International Symposium on Endocrinology at the Centre of Advanced Study in Zoology.	20,000
Grant towards holding of Summer School in Theoretical Physics at Dalhousie.	30,000
Development of the deptt. of Library Science.	90,000
Grant towards Salary of staff in the department of Modern Indian History.	15,000
Grant towards the scheme of Certificate Course in Hindi and Urdu.	20,000
Construction of an Extension to the Botany Block.	25,000
-do- Glass House in the deptt of Botany.	10,000
-do- Extension to the main Administrative Building.	50,000
Construction of Staff quarters for Miranda House.	20,000
-do- Staff quarters.	70,000
-do- Class IV staff quarters.	20,000
-do- Science Block for Miranda House.	50,000
-do- Examination Hall.	50,000
-do-	6,700
-do- Guest House-cum-Club.	50,000
-do- staff quarters.	70,000
-do- Law Faculty Bldg.	20,000
Grant towards the teaching of Courses in Marathi and Gujarati.	35,000
Grant towards the scheme of institution of Diploma Course in Modern Persian.	15,000

Delhi Contd:

Basic grant for purchase of Scientific equipment in the Deptt. of Chemistry.	25,000
Purchase of equipment for the development of the deptt. of Human Geography.	8,000
Purchase of furniture for the main building of Delhi School of Social Work.	10,019
-do- for Law Faculty Bldg.	15,000
Purchase of library books & journals (Humanities).	13,000
Basic grant for the purchase of library books and journals for the development of Engg. and Tech. Education.	22,000
Purchase of Scientific equipment for the Mathematics and Anthropology deptts.	35,000
Institution of Diploma Course in Radiation Medicine under the Faculty of Medical Sciences.	10,000
Payment of recurring grant towards the salary of staff appointed in the Geology Department.	9,000
Recurring grant for the Diploma Courses in Child Health and Anaesthesia.	50,000
Award of Senior Research fellowships in Humanities and Social Sciences.	7,535.71
Financial assistance to teachers for research work in Science Engg. Tech.	250
-do- Humanities & Social Sciences.	250
-do-	375
-do-	375
-do-	250
-do-	375
-do-	500
-do-	400

Affiliated Colleges.

Maulana Azad Medical College, New Delhi.	Estt. of Students' Aid Fund.	1,750
Hans Raj College, Delhi.	-do-	1,750
Ramjas College, Delhi.	-do-	1,750
-do-	-do-	2,500
Janki Devi Mahavidyalaya, N. Delhi.	-do-	2,250
Delhi School of Social Work, Delhi.	-do-	630
St. Stephen's College, Delhi.	-do-	1,750
Rajdhani College, N. Delhi.	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	350
Lady Sri Ram College, N. Delhi.	-do-	374.50
Ramjas College, Delhi.	-do-	150
-do-	-do-	500
Maulana Azad Medical College, New Delhi.	-do-	750
S.G.T.B. Khalsa College, Delhi.	-do-	250
Hans Raj College, Delhi.	-do-	250
-do-	-do-	500
Dyal Singh (Evening) College, N. Delhi.	-do-	300
do-	Purchase of library books in connection with starting of B.A. (Hons.) in Mathematics w.e.f. 1963-64.	2,500

Delhi Contd:

Maulana Azad Medical College, New Delhi.	Purchase of Library Books.	6,000
Ramlal Anand College, New Delhi.	Purchase of library books, accessories and equipment.	7,248
-do-	Purchase of furniture fittings and office equipment.	1,002
-do-	Construction of College Bldg.	25,000
Sri Venkateswara, N. Delhi.	Purchase of library books.	6,729
Hastinapur College, Moti Bagh, New Delhi.	-do-	4,500
Daulat Ram College, Delhi.	Purchase of Duplicating Machine.	1,830
Lady Shri Ram College for Women, New Delhi.	Repairs to the existing Tube well.	2,000
Daulat Ram College, Delhi.	Construction of Principal Bungalow Servants' quarters and Garage.	46,236
Hans Raj College, Delhi.	Construction of Extension to library Canteen and N.C.C. Store.	70,000
	Total:	11,31,679.21

14. Dibrugarh.

	Purchase of library books and journals (Humanities)	10,000
	Grant for the salary of the staff relating to Humanities and Social Sciences departments.	20,000
	Grant-in-aid for the development of Scientific education and research.	10,000
	Purchase of library books & journals on Science subjects.	50,000
	Unassigned grant for the Fourth Plan period.	6,500

Affiliated Colleges.

Kanoi College, Dibrugarh.	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Dergaon K.D. College, Dergaon.	Purchase of library books and furniture.	2,000
Dibrugarh H.S. Kanoi.	Purchase of library books.	1,000
Commerce College, P.O. Dibrugarh.		
	Total:	99,750

15. Gauhati.

	Grant towards holding a Summer School in Mycology, Plant Pathology and Plant Bio-Chemistry.	9,000
	Construction of Press building.	3,400
	Grant for implementing the three year degree course scheme in the colleges.	1,29,467.67
	Appointment of staff for UGC Unit.	1,000

p.t.o

Gauhati Contd.

Unassigned grant for the Fourth Plan period.	6,500
Financial assistance to teachers for research work in Science, Engg. and Tech.	250
-do- Humanities & Social Sciences.	500
-do-	500

Affiliated Colleges.

Bajali College, Pathsala, Distt. Kamrup (Assam).	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Nowgang College, Nowgang.	-do-	500
B. Barooah College, Gauhati.	-do-	250
Tinsukia College, Tinsukia.	Construction of permanent short shooting range.	400
A.D.P. College, Nowgang.	Estt. of Text Book Library.	1,000
Gurcharan College, Silchur.	Establishment of students Aid fund.	3,000
Lady Keane Girls' College Shillong.	-do-	2,500
North Lakhimpur College, North Lakhimpur.	-do-	921
Arya Vidya College, Gauhati.	Financial assistance to teachers for research work in Science subjects.	1,000
Cotton College, Gauhati.	-do-	250
Total:		<u>1,60,688.67</u>

16. Gorakhpur.

Construction of University library building.	40,000
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Construction of Teachers' Hostel.	40,000
-do- Men's Hostel.	40,000
-do- Women's Hostel.	20,000

Affiliated Colleges.

K.B. Degree College, Mirzapur.	Construction of permanent short shooting range.	400
M.I.K. Degree College, Balrampur.	-do-	400
K.S.Saket Mahavidyalaya, Faizabad.	-do-	400
Degree College, Ghazipur.	Purchase of water cooler.	575
-do-	Estt. of Text Books Library.	1,000
National Degree College, Barhalganj.	Estt. of Students' Aid Fund.	1,000
Kisan Degree College, Basti.	-do-	1,500

Gorakhpur Contd:

Degree College, Pratapgarh.	Grant towards revision of salary scales of teachers as per II Plan scales of pay	115.65
T.D. College, Jaunpur.	-do-	1,862.03
Udai Pratap College, Varanasi.	-do-	1,076.03
Harish Chandra Degree College, Varanasi.	-do-	962.50
Town Degree College, Ballia.	-do-	1,574.70
Budha Degree College, Kushinagar(Deoria).	-do-	460.88
Kisan Degree College, Bahraich.	-do-	1,511.04
Sri Durgaji Degree College, Chandesar, Azamgarh.	-do-	2,209.51
S.N. College, Azamgarh.	Expansion of Science Education.	5,000
St. Andren's College, Gorakhpur.	-do-	10,000
Harish Chander Degree College, Varanasi.	-do-	5,000
D.A.V. College, Azamgarh.	Construction of laboratory and purchase of equipment furniture and books.	15,000
Shibli National Degree College, Azamgarh.	Financial assistance to teachers for research work in Humanities and Social sciences.	250
K.S.Saket Mahavidyalaya, Faizabad.	-do-	250
Total:		1,99,797.34

17.Gujarat.

	Grant towards revising salary scales of teachers as per II Plan scales of pay.	810.67
	-do-	1,813.33
	-do-	597.34
	-do-	1,089.64
	-do-	1,514.64
	-do-	860
	-do-	554.66
	-do-	624.99
	-do-	600.32
	-do-	1,244.67
	-do-	2,090.66
	-do-	1,429.34
	-do-	725.33
	-do-	661.33
	-do-	1,487.72
	-do-	1,194.67
	-do-	810.64
	-do-	725.32
	-do-	1,066.65
	Grant for implementing three year Degree Course scheme in the Colleges.	4,00,000
	Unassigned grant for the Fourth Plan period.	13,500
	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
	-do-	500
	-do-	500

Affiliated Colleges.

Gujarat Contd:

V.S. Patel College of Arts and Science, Bilimora.	Purchase of water cooler.	1,100
-do-	Financial assistance to teachers for research or learned work in Humanities and Social Sciences.	250
B. Ed. College, Bhavnagar.	-do-	500
V.S. Patel College of Arts & Science, Bilimora.	Estt. of Text Book Library.	1,000
S.B. Garda and B.P. Baria Science Institute, Navsari.	-do-	334.30
Arts & Science College, Bardoli.	-do-	1,000
Kamani Science College and Prataprai Arts College, Awreli.	-do-	1,000
L.D. College of Engg. Ahmedabad.	Establishment of Students' Aid Fund.	2,250
Lallubhai Motilal College, of Pharmacy, Ahmedabad.	-do-	1,750
Sheth H.A. College of Commerce Ahmedabad.	-do-	3,000
St. Xavier's College, Ahmedabad.	-do-	3,000
City Law College, Ahmedabad.	-do-	1,750
M.S. Science Institute, Ahmedabad.	-do-	3,000
New Law College, Ahmedabad.	-do-	1,750
S.V. Regional College of Engg. and Tech. Surat.	-do-	835
Arts & Science College, Bhadran	-do-	500
-do- Rajkot.	-do-	894
J.M. Sha Arts & Commerce College, Jambusar.	-do-	976
Vidya Mandir College for Women, Surat.	-do-	748
Navjivan Arts & Commerce College, Dohad.	-do-	687
L.D. Arts College, Ahmedabad.	Estt. of General Education library.	500
Shree H.K. Arts College, Ahmedabad.	Construction of Mens' Hostel.	1,323
	Total:	<u>4,63,149.22</u>

18. Indore.

Unassigned grant for the year 1966-67.	6,000
-do- for the Fourth Plan period.	9,000

Affiliated Colleges.

Govt. New Girls' Degree College, Indore.	Purchase of Library books	2,000
-do-	Estt. of Students' Aid Fund.	1,500
	Total:	<u>18,500</u>

p.t.o.

19. Jabalpur.

Construction of University library building.	30,000
Purchase of furniture for Arts Block Building.	30,000
Construction of Arts Block Bldg.	60,000
Grant for implementing Three Year Degree Course Scheme in the Govt. Colleges.	17,145
-do- Non-Govt. Colleges.	28,752.19
Establishment of Students Health Centre.	10,000
Construction of Guest House.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Purchase of library books & journals for various Science Deptts.	25,000
Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	750
Construction of post-graduate hostel for 100 students.	35,000
-do- 8 Lecturers' quarters.	20,000
-do- Teachers' Hostel.	5,000

Affiliated Colleges.

Hitka ni Mahavidyalaya, Jabalpur.	Development of postgraduate studies in Humanities and Social Sciences.	2,000
G.S. College of Commerce and Economics, Jabalpur.	-do-	6,445.50
-do-	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Shyam Sundar Agrawal College, Sibora	Construction of Mens' Hostel and Wardens' quarters.	1,510
	Total:	<u>3,05,852.69</u>

20. Jadavpur.

Purchase of books on general education.	500
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	125
-do- Science, Engg. & Tech.	375
-do- Science.	1,500
-do-	500
-do-	750
-do-	500
Grant-in-aid for postgraduate course in Electrical Engineering.	40,000
Grant-in-aid for construction of multi-storeyed building for postgraduate Courses in Civil Engg. Telecommunication, Engineering etc.	3,00,000

Jadavpur Contd:

Grant-in-aid for major repairs to the Workshop of the College of Engg. & Tech.	5,960.69
Grant-in-aid for postgraduate Course in 18,000 Food Technology.	
Cultural Exchange programme between India and Bulgaria.	184
Total:	<u>3,77,394.69</u>

21. Jammu & Kashmir.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate and Training Colleges at Srinagar.	25,000
Grant towards holding a Refresher Course in English.	6,500
Unassigned grant for the Fourth Plan period.	13,500
Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	250
-do-	500
-do-	375
Construction of Teachers' Hostel at Univesity Campus, Jammu.	10,000

Affiliated Colleges.

Govt. Agriculture College	Construction of permanent shooting range.	2,400
Total:		<u>58,525</u>

22. Jiwaji.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate and Training Colleges at Gwalior.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Basic Grant for the purchase of Scientific equipment.	15,000

Affiliated Colleges.

P.G. Vigyan Mahavidyalaya, Gwalior.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
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Jiwaji Contd:

Madhav Engg. College, Gwalior.	Establishment of Students' Aid Fund.	2,250
Govt. Girls' Degree College, Moror.	-do-	1,500
	Total:	<u>53,000</u>

23. Jodhpur.

Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for research work in Science, Engg. and Technology.	500
-do-	250
-do-	375
-do- Science subjects.	250
Purchase of library books and journals for the development of Engg. & Tech. Education.	10,000
	<u>20,375</u>
Total:	

24. Kalyani.

Unassigned grant for the Fourth Plan period.	9,000
Total:	<u>9,000</u>

25. Kanpur.

Grant for organising a Summer Institute in Mathematics for teachers for Secondary Schools/PUC/Intermediate and Training Colleges at Kanpur. 25,000

Affiliated Colleges.

Bipin Behari College, Jhansi.	Grant towards revising salary scales of teachers as per II Plan scales of pay.	122.50
Badri Vishal Degree College, Farukhabad.	-do-	1085.00
Bundelkhand College, Jhansi.	-do-	112.50
H.K.P. Degree College, Sitapur.	-do-	346
Kanya Kubja College, Kanpur.	-do-	315
Dayanand Subhas National Degree College, Unnao.	-do-	898.30
Atarra Degree College, Atarra.	-do-	533.66
Dayanand Vedic College, Orai.	-do-	52.50
Bundelkhand College, Jhansi.	Development of postgraduate studies in Humanities and Social Sciences.	10,000
Janta Degree College, Ajitmal.	Expansion of Science education.	10,000
D.V. College, Orai.	Construction of Science Block.	20,000
-do-	Expansion of Science education.	10,000

Kampur Contd:

S.S.V. College, Hapur.	Grant of Junior Research fellowship for undertaking research work in Himalayan Geology.	3,600
A.N.D.M.M. College, Kampur.	Financial assistance to teachers for research work in Humanities and Social Sciences.	250
Christ Church College, Kampur.	-do-	250
Acharya Narendra Dev Mahapalika Mahila Degree College, Kampur.	Establishment of Text Books Library.	5,000
	Total:	<u>87,565.46</u>

26. Karnatak.

	Grant towards the scheme of research in Social Welfare entitled "A profile of rural youth".	2,500
	-do- "Child problems and Welfare measures in Hubli".	3,000
	Purchase of library books and journals for Various Science Deptts.	10,000
	Unassigned grant for the Fourth Plan period.	13,500
	Award of Senior Research fellowships in Science.	995.38
	Extension in fellowship tenure of Junior fellowships in Humanities.	1,795.48
	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
	-do- Humanities and Social Sciences.	300
	Purchase of water cooler.	1,500
	<u>Affiliated Colleges.</u>	
P.C.. Jabin College, Hubli.	Estt. of Text Book Library.	1,000
Karnatak Science College, Dharwar.	Estt. of Students' Aid Fund.	2,250
Shri Kadasiddeshwar Apts College, H.S.K. Science Institute, Hubli.	Construction of staff quarters.	10,000
B. College of Arts & Science, Gulbarga.	-do-	35,000
G.I. Bagewadi Arts & Science College, Nipam.	-do-	16,658
B.V. B. Engg. College, Hubli.	Financial assistance to teachers for research or learned work in Science subjects.	250
Engg.. College, Gulbarg.	-do-	750
Engg.. College, Bagalkot.	-do- Humanities & Social Sciences.	375
Manipal Engg. College, Manipal.	Construction of permanent short shooting range.	400
	Total:	<u>1,00,773.86</u>

27. Kerala.

	Grant for organising a Summer Institute in Physics for teachers from Higher Secondary Schools/PUC/Intermediate & Training Colleges.	25,000
	-do- Biology.	25,000
	-do- Animal Physiology.	25,000
	Grant towards the scheme of small scale Dialect Survey Project.	1,200
	Purchase of library books & journals for Various Science Deptts.	50,000
	Unassigned grant for the Fourth Plan period.	13,500
	Extension in fellowship tenure of Jr. Research fellowships in Humanities.	1,800
	Contingency grant for Junior Research fellowships in Humanities.	500
	Utilisation of services of retired teachers.	4,161.29
	Financial assistance to teachers for research work in Humanities and Social Sciences.	1,000
	-do-	250
	-do-	250
	-do- Science subjects.	1,250
	Cultural Exchange programme between India and Hungary.	183.10
	-do- India and U.S.S.R.	504.60
	<u>Affiliated Colleges.</u>	
Sri Sankara College, Kalady	Construction of permanent short shooting range.	400
N.S.S. College, Pandalam.	Estt. of Text Book Library.	1,000
N.S.S. College of Engg. Palaghat.	Establishment of Students' Aid Fund.	1,368
Medical College, Trivandrum.	-do-	2,408
N.S.S. Hindu College, Changanacherry.	Development of postgraduate studies in Humanities and Social Sciences.	10,000
Mar Thoma, College, Tiruvalla.	Estt. of Hobby Workshop.	2,500
St. Berchmans' College, Changanacherry.	-do-	2,500
-do-	Utilisation of services of retired teachers.	1,500
Govt. Victoria College, Polghat.	Financial assistance to teachers for research work in Science subjects.	750
Christ College, Irinjalakuda.	-do-	500
Mahatma Gandhi College, Trivandrum.	-do-	1,250
St. Teresa's College, Ernakulam.	Development of postgraduate deptt. of Botany.	10,000
	Total:	<u>1,83,774.99</u>

28. Kurukshetra.

Grant towards holding a Summer School in Physics and Chemistry on Macromolecules.	18,000
Construction of Press building.	6,652.95
Grant towards the salary of the staff relating to Humanities and Social Sciences Deptts.	50,000
Unassigned grant for the Fourth Plan period.	9,000
Grant- for meeting the expenses for crating, packing, and freight of the Cyclotron from Rochester(USA) to Kurukshetra.	11,422
Construction of Physics Block Bldg.	2,50,000
Grant-in-aid for the construction of Chemistry Block Building.	2,00,000
Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	500
Construction of 2nd Women's Hostel.	1,00,000
-do- Women's Hostel.	6,789
-do- Readers and Lecturers' quarters.	2,253
	6,54,616.95
Total:	

29. Lucknow.

Grant for publishing the proceedings of Seminar on Local Government.	2,700
Grant for holding a Summer School in Modern Trends of Sociology and Social Work.	5,500
-do- Modern Algebra.	8,000
Construction of buildings for the deptts. of Physics, statistics & Geology.	1,60,000
Grant towards the scheme of upgrading University - research and teaching in development planning and administration through Survey Research Programme.	800
Grant towards research fellowships in Himalayan Geology.	9,200
Purchase of Scientific equipment for Various Science Deptts.	15,622.37
Travel grant to Dr. M.K. Goel to attend the International Orthopaedic Conference at Singapore & Hong Kong.	284
Unassigned grant for the Fourth Plan period.	13,500

p.t.o

Lucknow Contd:

Financial assistance to teachers for undertaking research or learned work in Science Subjects.	250
-do-	500
-do-	250
Contingency grant for Senior Research fellowships in Humanities.	500
-do- Jr. Research -do-	1,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	3,010.22
Contingent grant for Sr. Research fellowships in Science.	999.76
-do- Jr. Research fellowships in Humanities.	500
Financial assistance to teachers for undertaking research or learned work in Science subjects.	750
-do- Humanities & Social Sciences.	250
-do-	250
Grant for the establishment of Delegacy Centres..	10,000

Affiliated Colleges.

Isabella Thourburn College, Lucknow.	Purchase of water cooler.	500
D.A.V. Degree College, Lucknow	Grant towards revising of salary scales of teachers as per II Plan scles of pay.	1,187.98
Nari Shiksha Niketan Degree College, Lucknow.	d-do-	26.25
Karamat Hussain Girls' Degree College, Lucknow.	-do-	761.25
Lucknow Christian College, Lucknow.	Expansion of Science Education.	7,358
Kanya Kubja Degree College, Lucknow.	d-do-	8,000
Total:		<u>2,51,699.83</u>

30. Madras.

Grant towards the scheme of preparation of Topographical list of inscription.	2,754
Construction of Solvent Storage room for organic Chemistry deptt.	8,000
Unassigned grant for the Fourth Plan period.	22,500
Contingent grant for utilisation of services of retired teachers.	664.17
Financial assistance to teachers for research work in Humanities and Social Sciences.	750
Grant-in-aid for the increase in intake capacity and introduction of 5-year Integrated Course in Chemical Engg. at A.C. College of Technology.	31,000

Madras Contd:

Grant-in-aid towards the award of Jr. fellowships to the students admitted to the Courses in Town Planning at the School of Architecture.	5,022.58
-do- postgraduate courses in Engg. and Technology.	18,000
Grant-in-aid for the introduction of Courses in Town Planning at the school of Architecture.	15,000
Scheme for the award of travel grant to teachers, research scholars etc.	401
Scheme for the establishment of Students' Home.	20,000
Cultural Exchange programme between India and Hungary.	502.63
Construction of postgraduate hostel for 100 students.	75,000
Cultural Exchange programme between India and Yugoslavia.	440.85
-do- India & Bulgaria.	236.65.
-do- India & West Indies.	638.35
-do- India & U.S.S.R.	407.78
-do-	317.10
-do-	337.50
Grant for meeting the expenditure on the Centre of Advanced Study in Botany.	1,68,000

Affiliated Colleges.

Islamia College, Vaniyambadi.	Construction of permanent short shooting.	400
P.S.G.R. Krishnammal College for Women, Coimbatore.	Estt. of Text Book Library.	1,000
A.V.C. College, Mayuram.	Estt. Students Aid Fund.	2,122
Govt. College, Salem-7.	Estt. of Non-Resident Students' Centre.	5,000
The Ethiraj College, Egmore.	-do-	5,000
Rajah Serfoji Govt. College, Thanjavur.	-do- Hobby Workshop.	1,000
D.G.V. College, Madras.	Extension of Laboratory and Library facilities.	10,000
The Women's Christian College, Madras.	Construction of library building and purchase of library books & furniture.	50,000
Sri Theagraya College, Madras.	Estt. of Non Resident Students' Centre.	8,000
Madras Christian College, Tumberam(Madras).	Contingency grant for Jr. Research fellowships in Humanities.	700
Madras Veterinary College, Madras.	Financial assistance to teachers for research work in Science, Engg. and Technology.	1,000
P.S.G. College of Technology, Coimbatore.	-do- Science subjects.	750
Madras Christian College, Madras.	-do-	1,000
Vivekananda College, Madras.	-do-	750
Coimbatore Institute of Technology Coimbatore.	-do-	750
Sri Thiagraja College, Madras.	-do- Hum. & Social Sc.	250
Loyola College, Madras.	-do-	500

Madras Contd:

St. Joseph's College, Tiruchirapalli.	Grant towards the development of postgraduate deptts. of Physics, Chemistry, Botany and Mathematics.	60,000
National College, Tiruchirapalli.	-do- Physics.	2,000
Total:		5,18,194.61

31. Madurai.

Unassigned grant for the Fourth Plan period.	6,500
Purchase of library books and journals for Various Science Deptts.	31,200

Affiliated Colleges.

American College, Madurai.	Financial assistance to teachers for research work in Science subjects.	500
-do-	-do-	750
Thiagrajar College, Madurai.	-do-	1,000
Sri Palani Andavar Arts College, Palani.	Estt. of Text Book Library.	5,000
-do-	Estt. of Students' Aid Fund.	2,022
Agricultural College, Madurai.	-do-	664
Total:		47,636

32. Magadh.

Unassigned grant for the Fourth Plan period.	9,000
Contingency grant for Jr. Research fellowships in Humanities.	1,000
Utilisation of services of retired teachers.	7,625
Award of Jr. Research fellowships in Humanities and Social Sciences.	5,039.29
-do-	4,942.86
Construction of Teachers' Hostel.	30,000

Affiliated Colleges.

Ajabit Singh College, Bikramanj.	Estt. of Text Book Library.	5,000
Kisan College, Sohsarai.	-do-	1,000
Sheodani College, Mehandia (Arwal) Gaya.	Estt. of Students' Aid Fund.	615
B.S. College, Dinapore.	Purchase of library books.	7,500
Kisan College Sohsarai.	Construction of Mens' Hostel.	10,000
M.V. Mahavidyalaya, Buxar.	Establishment of Non-Resident Students' Centre.	10,000
Gaya College, Gaya.	Financial assistance to teachers for research or learned work in Humanities and Social Sciences.	150
-do-	-do-	250
Total:		92,122.15

p.t.o.

33. Marathwada.

Grant for organising a Summer Institute in Physics for School teachers.	453.62
Grant for purchase of Semi Micro Analytic equipment.	4,950
Unassigned grant for the Fourth Plan period.	9,000
Purchase of Scientific equipment for Various Science deptts.	91,000
Construction of building for the deptts. of Chemistry, Botany and Math.	60,000
Construction of building for the deptt. of Physics.	25,000
Financial assistance to teachers for research or learned work in Science subjects.	500
-do-	1,500
-do-	1,000
-do-	750

Affiliated Colleges.

Si. B. College, Aurangabad.	Financial assistance to teachers for research or learned work in Science subjects.	750
Ramakrishna Mahavidyalaya, Osmanabad.	-do- Science, Engg. & Tech.	250
-do-	-do- Humanities and Social Sciences.	250
Govt. College of Arts, Aurangabad.	-do-	500
Dr. Ambedkar College of Aurangabad.	Estt. of Text Book Library.	1,000
		1,96,903.62
Total:		

34. M.S. University of Baroda.

Purchase of books & Journals for the Community Development, Cooperation and Panchayati Raj.	1,000	
Unassigned grant for the Fourth Plan period.	13,500	
Construction of Animal House for the Deptts. of Bio-chemistry, Zoology and Faculty of Home Science.	50,000	
Contingent grant for utilisation of the services of retired teachers.	1,000	
-do-	1,000	
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250	
-do-	250	
Grant-in-aid for the development of the Five Year Degree Course in Chemical Engg.	32,000	
Cultural Exchange programme between India and Hungary.	213.45	
		99,213.45
Total:		



35. Meerut.

On account advance grant for organising a Summer Institute in Mathematics for College teachers. 25,000

Affiliated Colleges.

Meerut College, Meerut.	Utilisation of services of retired teachers.	4,500
-do-	Financial assistance to teachers for undertaking research or learned work in Science Subjects.	750
J.V. College, Baraut.	-do-	500
College of Science Gurukul Kangri.	Grant towards revision of salary scales of teachers as per II Plan scales of pay.	138.38
Digamber Degree College, Dibai, Bullandshahr	-do-	367.50
Arya Kanya Pathashala Degree College, Hapur.	-do-	1,001.73
K.L.D.A.V. College, Roorkee.	-do-	392.33
Multanimal Modi College, Modinagar.	-do-	804.69
M.M. Degree College, Khekra.	-do-	17.50
R.S.K. Degree College, Simbhaoli.	-do-	1,293.30
Jat Vedic College, Baraut.	-do-	435.16
Kund Kund Jain College, Khatauli.	-do-	13.25
Meerut College, Meerut.	-do-	16.45
K.V. Degree College, Machhra.	-do-	1,234.05
D.A.V. College, Dehradun.	-do-	4.59
Multani Mal Modi College, Modinagar.	Development of postgraduate studies in Humanities & Social Sciences.	2,230.26
D.A.V. College, Dehradun.	Construction of Women's Hostel.	2,563
M.K.P. College, Dehradun.	Expansion of Science Education.	35,000
D.N. College, Meerut.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
Meerut College, Meerut.	-do- Humanities.	150.
-do-	-do-	150
D. Jain College, Baraut.	-do-	250
M.M. Modi College, Modinagar.	-do-	250
-do-	-do-	500
M.M.H. College, Ghaziabad.	-do-	125
Total:		78,087.19

36. Mysore.

Grant towards revision of salary scales of University teachers. 1,90,000  
 Grant towards survey of mentally handicapped children in Mysore City. 583  
 Development of the Sociology and Commerce deptts. 50,000

Mysore Contd:

Construction of the building for the Institute of Kannada Studies.	50,000
Unassigned grant for the Fourth Plan period.	13,500
Contingency grant for Jr. Research fellowships in Humanities.	1,000
-do-	500
Utilisation of services of retired teachers.	6,000
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Cultural Exchange programme between India & U.S.S.R.	490.19

Affiliated Colleges.

M.G.M. College, Udipi.	Financial assistance to teachers for research or learned work in Humanities and Social Sciences.	250
Maharani's College, Mysore.	-do-	250
-do-	-do-	1,250
M.R.S. College of Arts & Commerce, Malleswaram.	-do-	375
Kalapat aru College, Tiptur.	-do-	500
Govt. College, Tumkur.	-do- Science subjects	500
D.R. College of Commerce and Arts, Mysore.	-do-	125
D. Banumiah's College of Commerce, Mysore.	Estt. of Text Book Library.	1,000
Smt. Vishin Devi Harbhagwandas Dhanoomal Central Institute of Home Science, Bangalore.	Estt. of Students' Aid Fund.	750
M.R.S. College of Arts & Commerce, Mallerwaram(Bangalore).	-do-	1,318
Saradavilas Teachers' College, Mysore.	-do-	500
Kalpataru College, Tiptur.	Construction of library building.	17,667
St. Ann's Training College, Mangalore.	-do- Women's Hostel.	8,425
D. Banumiah's College of Commerce & Arts, Mysore.	Purchase of library books.	10,000

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3,55,233.19

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Total:

37.Nagpur.

Improvement of salary scales of College teachers.	90
Implementation of the scheme of Research in Social Welfare entitled "An investigation - Delinquency in School-going children in Wardha town.	2,790

Nagpur Contd:

Development schemes of higher education and research in (i) Humanities and Social Sciences (ii) Law Deptt.	60,000
Unassigned grant for the Fourth Plan	13,500
Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
-do- Science, Engg. & Technology.	500
-do- Humanities & Social Sciences.	250
Construction of Teachers' Hostel.	75,000
Establishment of Non-Resident Students' Centre.	15,000

Affiliated Colleges.

St. Francis de sales College, Nagpur.	Construction of permanent short shooting range.	400
S.B. City College, Nagpur.	Estt. of Text Book Library.	1,000
Yeshwant Arts College, Wardha.	-do-	5,000
Shri Shivaji College of Arts & Commerce, Akola.	Estt. of Students' Aid Fund.	1,350
D.V.S.P. College, Digras.	-do-	775
Hislop College, Nagpur.	-do-	3,000
Bharatiya Mahavidyalaya, Amravati.	-do-	750
G.P. & Berar Education Society's College, Nagpur-2.	-do-	2,155
Swavalambi College of Education, Wardha.	-do-	152
K.N. College of Arts & Commerce Karanja.	-do-	500
Hislop College, Nagpur.	Construction of Science laboratories.	6,445
S.B. City College, Nagpur.	Purchase of equipment for Hobby Workshop.	2,000
-do-	Recurring grant for Hobby Workshop.	1,000
Vidarbha Mahavidyalaya, Amravati.	Financial assistance to teachers for research work in Science, Engg. and Technology.	250

Total: 1,92,387

38. North Bengal.

Construction of University Library building.	20,000
Purchase of sacred books of the East Series.	3,400
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	125
-do-	125
-do-	150
-do-	500
-do-	500

p.t.o

North Bengal Contd:

Construction of Teachers' Hostel.	70,000
-do- Hostels for Men Students.	2,50,000

Affiliated Colleges.

Alipurduar College, Alipurduar.	Estt. of Text Book Library.	1,000
-do-	Estt. of Students' Aid Fund.	2,250
-do-	Construction of permanent short shooting range.	400
Jalpaiguri Engg. College, Jalpaiguri.	Financial assistance to teachers for research work in Science.	1,000
A.C. Training College, Jalpaiguri.	-do-	250
Ananda Chandra College, Jalpaiguri.	-do-	750
Loreta College, Darjeeling.	-do- Hum. & Social Sc.	250
		3,59,700
	Total:	3,59,700

39. Osmania.

Grant towards the field training of Geology students.	760
Purchase of library books and journals for Various Science depts.	60,000
Unassigned grant for the Fourth Plan period.	13,500
Grant-in-aid for meeting the expenditure on field training work in Geology.	412
Utilisation of services of retired teachers.	4,883.33
Grant for Cyclostyling lecture notes of Prof. Gritzaenko, Unesco consultant to Geology Deptt.	750
Institution of postgraduate Research scholarships.	6,000
Award of Junior fellowships in Engg. Technology.	5,250
Construction of building of the P.G. Course in Civil Engineering.	1,00,000

Affiliated Colleges.

New Science College, Hyderabad.	Estt. of Text Book Library.	1,000
Anwar-ul-Uloom College, Hyderabad.	-do-	1,000
Badruka College of Commerce & Arts (Evening), Hyderabad.	Estt. of Students' Aid Fund.	1,750
Anwar-ul-uloom College (Evening) Hyderabad.	-do-	854
Vivek Vardhini College, Hyderabad.	-do-	2,500

Osmania Contd:

St. Francis College for Women, Secunderabad.	Establishment of Students Aid Fund.	1,590
Anwar-ul-uloom College, New Mallapalli(Hyderabad)	-do-	2,250
Women's College, Nizamabad.	-do-	500
New Science College, Hyderabad.	Construction of Library and laboratory facilities.	8,000
Anwar-ul-Uloom College, Hyderabad.	Construction of store room for Chemistry & Zoology laboratory.	10,000
-do-	Purchase of books.	1,000
-do-	Purchase of Science equipment	7,370
Total:		2,29,169.33

40. Panjab.

Grant towards the deptt. of Hindi at the Regional Centre for postgraduate studies at Simla.	3,000
Supply of sacred books of the East series.	3,349
Grant towards the scheme of a study of fourth General Election in India.	1,000
Construction of Cycle Shed for Arts Block III.	33.78
Unassigned grant for the Fourth Plan period.	13,500
Grant towards the scheme of research & training in development, Planning and Administration through Survey Research Programme.	10,000
Grant towards the Project for undertaking a Study of North-East Frontier of India with China.	3,000
Grant of providing gas pipe line for the deptts. of Bio-Chemistry, Bio-Physics and Micro Biology.	1,386
Utilisation of services of retired teachers.	2,816.67
Financial assistance to teachers for undertaking research or learned work in Science subjects.	125
-do-	750
-do-	500
-do-	125
-do-	750
-do-	500
-do-	500
-do-	500
-do- Sc.Engg. & Tech.	250
-do- Hum. & Social Sc.	250
-do-	250
-do-	500
-do-	500
-do-	500

Panjab Contd:

Grant-in-aid for water supply and storage arrangements for laboratories and workshops for the deptt. of Chemical Engg./Tech.	8,761
Award of Junior fellowships to students of Postgraduate Course in Engg./Tech.	6,000
Recurring grant for the Postgraduate courses in Chemical Engg./Tech. and Pharmacy.	1,00,000
Purchase of library books and journals for the development of Engg./Tech. education.	10,000
Construction of Teachers' Hostel.	50,000
Establishment of students' Aid Fund.	10,000

Affiliated Colleges.

Govt. College, Bilaspur.	Purchase of water cooler.	1,000
Vaish College, Bhiwani.	-do-	386.87
A.S. College, Khanna.	-do-	500
Khalsa College, Amritsar.	-do-	500
Govt. College, Muktsar.	Estt. of Text Book Library.	5,000
Dayal Singh College, Karnal.	-do-	1,000
Arya College, Panipat.	Estt. of Students' Aid Fund.	1,750
Govt. College, Dharamsala.	-do-	2,250
Khalsa College for Women, Sidhwan Khurd.	-do-	1,400
R.K.S.D. College, Kaithal	-do-	1,500
Fateh Chand College for Women (Lahore) Hissar.	-do-	1,500
Govt. College for Women, Chandigarh.	-do-	3,000
G.G.H. Khalsa College, Ludhiana.	-do-	1,750
A.I.Jat Heros Memorial College, Rohtak.	-do-	2,250
V.V. Research Institute, Hoshiarpur.	Grant towards the salary of Shri S.K. Swami Research Associate to Dr. Siderhwar Verma.	1,734.20
Lajpat Rai Memorial College, Jagraon.	Purchase of library books.	2,000
Sikh National College, Banga.	Estt. of Non-Resident Students' Centre.	10,000
Teachers' Training College, Rewari.	Purchase of Library equipment, furniture and books.	15,000
Baring Union Christian College, Batala.	Estt. of Non-Resident Students' Centre.	5,000
Hindu College, Sonapat.	-do-	5,000
Govt. Training College, Solan.	Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	375
G.N. College, Guru Tegh Bahadur Garh.	-do-	250
Vishveshvaramand Institute of Studies, Chandigarh.	-do-	500
Govt. College, Sangrur.	-do-	250

Total: 2,92,742.52

41. Panjab Agricultural University, Ludhiana.

Affiliated Colleges.

College of Agriculture, Hissar.

Establishment of Students' Aid Fund.	764
Total:	<u>764</u>

42. Patna.

Grant towards holding a Seminar in History.	6,000
Grant towards holding a Summer School in Geography.	6,000
Purchase of library books and journals (Humanities).	1,00,000
Grant for implementing the three year Degree Course scheme in non-Govt. Colleges.	59,387.16
Unassigned grant for the Fourth Plan period.	13,500
Financial assistance to teachers for research work in Science, Engg. & Tech.	500
-do- Humanities & Social Sciences.	500
-do-	750
-do-	250
-do-	250
Construction of teachers' Hostel.	50,000

Affiliated Colleges.

B.N. College, Patna.

Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	125
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Total: 2,37,262.16

43. Poona.

Grant for holding a Summer Institute in English.	11,300
Grant towards the scheme of a study of General Elections 1967.	1,500
Unassigned grant for the Fourth Plan period.	13,500
Financial assistance to teachers for undertaking research or learned work in Science.	1,250
-do-	750
Grant towards the expenditure in respect of the Russian teacher deputed to the University under the Indo-Soviet Cultural Exchange Programme.	4,200

Affiliated Colleges.

M.J. College, Jalgaon.	Estt. of Text Book Library	1,000
M.S.G. Arts Science & Commerce College, Malegaon.	-do-	5,000

Poona Contd:

S.P.D.M. Arts & Commerce College, Shirpur.	Estt. of Students' Aid Fund.	963
Pratap College, Amalner.	-do-	2,500
M.J. College, Jalgaon.	Estt. of General Education Library.	500
Sir Parshurambhan College, Poona.	Special grant for the extension of Physical facilities and laboratory equipment.	1,000
B.Y.K. College of Nasik.	Estt. of General Education Library	500
Nowrosjee Wadia College, Poona.	Special grant for the purchase of books equipment, furniture and extension of Physical facilities.	10,000
Maharashtra Association for the Cultivation of Science, Poona.	Contingent grant for utilisation of Services of retired teachers.	1,000
M.E.S. College, Poona.	Financial assistance to teachers for research work in Science subjects.	600
-do-	-do- Humanities & Social Sciences.	375
Dr. B.A. College of Arts and Commerce, Mahad.	-do-	250
-do-	-do-	250
Ahmednagar College, Ahmednagar.	-do-	500

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56,938

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Total:

44. Punjabi.

Grant for preparation of reading material in connection with General Education programme.	5,000
Unassigned grant for the Fourth Plan period.	9,000
Purchase of Scientific equipment for Various Science depts.	50,000
Total:	<u>64,000</u>



45. Rabindra Bharati.

Unassigned grant for the Fourth Plan period.	4,500
Utilisation of Services of retired teachers.	6,000
Contingent grant for utilisation of services of retired teachers.	737.24
Utilisation of services of retired teachers.	2,000
Award of Junior Research fellowships in Humanities and Social Sciences.	5,277.42
	18,514.66
Total:	

46. Rajasthan.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate and Training Colleges.	25,000
Grant for organising a Summer Institute in Biology for College teachers.	25,000
Grant towards the scheme of research unit in para-psychology.	20,000
-do- upgrading unit-Research and Teaching in development Planning and administration through survey Research Programme.	3,000
Unassigned grant for the Fourth Plan period.	13,500
Contingency grant for Junior Research fellowships in Humanities.	1,000
Financial assistance to teachers for research work in Science, Engg. and Technology.	250
-do- Sc. Engg. & Tech.	575
-do-	250
-do-	500
-do- Science subjects.	150
-do-	1,000
-do- Humanities and Social Sciences.	250
-do-	250

Affiliated Colleges.

Govt. College Tonk.	Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	250
Govt. College, Baran	-do- -do- Science subjects.	850
Govt. College, Ajmer.	-do-	500
Maharajas' College, Jaipur	-do-	750
Maharani's College, Jaipur.	-do-	750
Govt. College, Ajmer.	-do- Science, Engg. and Technology.	500
M.R.E. College, Jaipur.	-do- Science subjects	750
Govt. College, Bhilwara.	-do-	250
Maharani's College, Jaipur.	-do- Sc. subjects & Tech.	500
Govt. College, Ajmer.	-do-	500
Govt. College Bhilwara	-do- p.t.o	500

Rajasthan Contd:

Malviya Regional Engg. College, Jaipur.	Financial assistance to teachers for undertaking research of learned work in Humanities & Social Sciences.	250
S.S.G. Pareek Teachers' Training College, Jaipur.	-do-	375
Govt. College, Kotputli.	-do-	250
M.R. Engg. College, Jaipur.	-do-	250
Govt. Degree College, Tonk.	-do-	500
Seth R.N. Rana College, Ramgarh.	Construction of permanent short shooting range.	400
Agrawal College, Jaipur.	Purchase of water cooler.	500
Bangur College, Didwana.	Estt. of Students' Aid Fund.	495
Govt. College, Bundi.	-do-	608
S.G.N. Khalsa College, Sriganganagar.	-do-	1,500
Govt. College Barmer.	-do-	609
Chirawa College, Chirawa.	-do-	1,410
Raj Rishi College, Alwar.	-do-	1,000
Seth G.L. Bihani S.D. (P.G.) College, Sriganganagar.	Purchase of Library books.	5,000
Dayanand College, Ajmer.	Estt. of Hobby Workshop.	1,800
		<hr/>
	Total:	<u>1,10,972</u>

47. Ranchi.

Grant towards the scheme of strengthening of teaching staff.	60,000
Unassigned grant for the Fourth Plan period.	9,000
Utilisation of services of retired teachers.	4,193.55
Financial assistance to teachers for undertaking research or learned work in Science subjects.	150
-do-	500
-do-	500

Affiliated College.

Jamshedpur Cooperative College, Jamshedpur.	Construction of staff quarters.	10,000
Birla Institute, Ranchi.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
		<hr/>
	Total:	<u>84,843.55</u>

48. Ravishankar.

Unassigned grant for the Fourth Plan period.	9,000
Contingency grant for Sr. Research fellowships in Humanities.	1,000
Extension in fellowships tenure of Research fellowships in Humanities.	3,000
Grant towards implementation of the scheme of exchange of teachers during the academic year 1965-66.	2,565.10

Ravishankar Contd:

Affiliated Colleges.

Durga Mahavidyalaya, Raipur.	Estt. of Students' Aid Fund.	3,000
J.N.M. College. Dongargarh.	-do-	750
-do-	Purchase of library books.	1,500
Govt. College of Science, Raipur.	Financial assistance to teachers for research work in Science subjects.	500
College of Engg. Raipur.	-do-	1,250
College of Science, Raipur.	-do- Sceicne, Engg. & Tech.	250
Total:		<u>22,815.10</u>

49 Roorkee.

Grant towards holding a Seminar in Photo Elast ity and Instrumentation.	6,700	
Grant towards holding a Summer School in Engg. problems.	6,500	
Unassigned grant for the Fourth Plan period.	9,000	
Financial assistance to teachers for undertaking research or learned work in Science subjects.	1,000	
-do- Science, Engg. & Tech.	1,000	
Grant-in-aid for additional facilities on the bifurcation of the deptts. of Electrical and Telecom. Engg.	50,000	
Grant-in-aid towards the award of Jr. 3, fellowships to the students admitted to M.E. Courses during 1966-67.	3,35,000	
-do- 1965-66	49,925	
Grant-in-aid for the introduction of Postgraduate Course in Telecom. Engg.	75,000	
-do- Civil Engg.	1,00,000	
Grant-in-aid for additional space for degree classes in Engg.	10,000	
Construction of staff quarters.	40,000	
Cultural Exchange Programme between India and U.S.S.R.	18.40	
-do-	162.12	
Estt. of Students' Aid Fund.	10,000	
Total:		<u>6,94,305.52</u>

50 S.N.D.T. Women's  
University, Bombay.

Unassigned grant for the Fourth Plan period.	9,000	
Utilisation of services of retired teachers.	7,500	
Total:		<u>16,500</u>

51.Sardar Patel  
University.

Unassigned grant for the Fourth Plan period. 9,000

Affiliated Colleges,

B.A. College of Agriculture, Anand. Estt. of Students'Aid Fund. 2,155

Total: 11,155

52.Saugar.

Grant towards the scheme of holding Seminar on "Abolition of the post of the Block Development Officer in M.P." 3,000

Grant towards the salary of additional staff appointed in Various Science Deptts. 38,777

Purchase of Library books & journals in Science subjects. 80,000

Grant for implementing the three year year degree course scheme in the colleges. 25,000

Unassigned grant for the Fourth Plan period. 13,500

Financial assistance to teachers for undertaking research or learned work in Science subjects. 150

-do- 150

-do- Humanities and Social Sciences. 250

-do- 500

-do- 500

Contingency grant for Junior Research fellowship in Humanities. 1,000

Award of studentships to the post-graduate students in Applied Geology Course. 11,358

Affiliated Colleges.

Govt. Degree Colleges, Balaghat. Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences. 125

Chhatisgarh College,Raipur. -do- 250

Govt. Science College,Rewa. -do- Science subjects. 500

Govt. Degree College, Sidhi. Estt. of Students' Aid Fund. 929

Govt. College, Satna. -do- 2,500

S.R.T.N.E.S. College, Barman. -do- 618

Govt. Degree College, Piparia. -do- 500

-do- Jagdalpur. -do- 1,408

Narmada Mahavidyalaya, Hoshangabad. Estt. of Hobby Woerkshop. 2,000

Total: 1,83,015

p.t.o

53. Shivaji.

Construction of University Library building.	20,000
Grant towards the salary of additional staff appointed in Various Science Deptts.	44,000
Purchase of library books and journals for Science deptts.	20,000
Construction of building for the deptt. of Chemistry.	50,000
-do- Zoology.	20,000
-do- Physics & Mathematics.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Utilisation of services of retired teachers.	5,774.119
Financial assistance to teachers for research work in Science, Engg. & Technology.	150

Affiliated Colleges.

Walchand College, of Engg. Sangli.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	1,225
-do-	-do- Science, Engg. & Tech.	1,000
Shri Shivaji Mahavidyalaya, Barsi.	-do- Humanities and Social Sciences.	375
-do-	-do-	250
Pandharpur College, Pandharpur.	-do- Science, Engg. & Tech.	500
Dayanand College of Education, Sholapur.	Purchase of water cooler.	345
D.A.V. Velankar College of Commerce, Sholapur.	-do-	500
Dayanand College of Arts & Science, Sholapur.	-do-	500
Rajaram College, Kolhapur.	Estt. of Text Book Library.	2,500
D.A.V. Velankar College of Commerce, Sholapur.	Estt. of Students' Aid Fund.	1,750
K.B.P. College, Urun Islampur.	-do-	1,500
Arts and Commerce College, Tasgaon.	-do-	1,500
Sangli College, Sangli.	Purchase of Science laboratory equipment and books.	20,000
R.P. Gogate College, Ratnagiri.	Construction of Women's Hostel.	10,000
-do-	-do- Library building.	4,093
Rajaram College, Kolhapur.	Contingent grant for utilisation of services of retired teachers.	1,000

Total: 2,40,962.19

54. Sri Venkateswara.

Grant towards the salary of additional staff appointed in Various Arts Deptts.	25,000
-do- Science deptts.	66,200
Unassigned grant for the Fourth Plan period.	9,000

p.t.o

Sri Venkateswara  
Contd:

Financial assistance to teachers for undertaking research or learned work in Science subjects.	200
-do- Science, Engg. & Technology.	250
Construction of building for the establishment of University College of Engineering.	1,00,000
Purchase of library books/journals for Engg./Technological education.	15,000
Estt. of Non Resident Students' Centre.	5,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	1,795.48
-do-	1,795.16

Affiliated Colleges.

Govt. Arts & Science College, Chittoor.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
S.D.G.S. College, Hindupur.	-do-	900
S.P.W. College, Tirupati.	-do-	250
V.R. College, Nellore.	-do-	500
Govt. College, Cuddapah.	Estt. of Text Book Library.	4,000
Total:		2,30,390.64

55. Udaipur.

Unassigned grant for the Fourth Plan period.	9,000
Grant-in-aid for establishment of workshop during the Fourth Plan period.	33,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
-do-	1,000
-do-	750

Affiliated Colleges.

M.B. College, Udaipur.	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	375
Vidya Bhawan Rural Institute, Udaipur.	-do-	250
Sharamjeevi College, Udaipur.	Estt. of Students' Aid Fund.	868
Udaipur School of Social work, Udaipur.	-do-	561
Total:		46,304

p.t.o

56. U.P. Agricultural  
University, Pant Nagar,  
(Nainital).

Award of Senior Research fellowships in Science.	5,616.67
Total:	<u>5,616.67</u>

57. Utkal.

Unassigned grant for the Fourth Plan period.	13,500
Purchase of Scientific equipment for deptt. of Geology.	10,000
Purchase of library books and journals on Science subjects.	20,000
Establishment of a Students' Health Centre.	25,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
-do- Humanities & Social Sciences.	250
Purchase of furniture for the postgraduate Women's Hostel.	5,000

Affiliated Colleges.

Science College, Keonjhar. Estt. of Students' Aid Fund.	207
Kendrapara College, Kendrapara.	-do- 1,269
Kshatrabasi College, Nirkarpur.	-do- 196
Khurda College, Khurda.	-do- 820
Govt. Training College, Angul.	-do- 631
Women's College, Bolangir.	-do- 542
N.C. College, Jajpur.	-do- 822
Khallikote College, Berhampur. Estt. of General Education Library.	500
Stewart Science College, Cuttack.	-do- 500
B.J.S. College, Bhubaneswar. -do- Non Resident Students' Centre	5,000
Khallikote College, Berhampur. Construction of Mens Hostel.	30,000
-do-	Financial assistance to teachers for research or learned work in Humanities and Social Sciences. 250
Ravenshaw College, Cuttack.	-do- 250
-do-	-do- 500

1,15,487

Total:

58. Varanaseya Sanskrit  
Vishwavidyalaya.

Estt. of Printing Press.	25,000
Estt. of Health Centre.	10,000
Unassigned grant for the Fourth Plan period.	4,500

Total:

39,500

p.t.o

59.Vikram.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate and Training Colleges.	25,000
Purchase of sacred books of the East series.	306
Construction of Arts Block Building.	50,000
Grant for implementing the three year degree course scheme in the colleges.	26,253.50
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	750
-do-	250
Construction of staff quarters.	75,000

Affiliated Colleges.

S.A. Technological Institute, Vidihata.	Financial assistance to teachers for research or learned work in Science subjects.	500
M.V. Mahavidyalaya, Bhopal.	-do- Science, Engg. & Tech.	250
Govt. College, Khargone.	-do- Humanities & Social Sciences.	250
Govt. Degree College, Shajapur.	-do-	250
P.G.B.T. College, Ujjain.	-do-	250
Govt. Degree College, Mandsur.	Estt. of Students' Aid Fund.	2,250
-do- Rajgarh.	-do-	859
-do- Narsinggarh.	-do-	1,304
Regional College of Education, Bhopal.	-do-	500
M.L.B. Girls' Degree College, Bhopal.	-do-	<u>1,000</u>
	Total:	<u>1,93,972.50</u>

60.Visva Bharati.

Development of postgraduate studies in Humanities & Social Sciences.	2,00,000
Construction of extension to the school laboratories for Physics, Chemistry and Biology.	45,000
Unassigned grant for the Fourth Plan period.	1,3500
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	500
Grant towards the water supply scheme.	2,00,000
	<u>4,59,000</u>
	Total:



INSTITUTIONS DEEMED TO BE UNIVERSITIES

1. Birla Institute of  
Technology & Science,  
Pilani.

Financial assistance to teachers for research work in Science, Engg. and Technology.	500
-do- Humanities & Social Sciences.	250
Purchase of library books and journals for the development of Engg. & Tech. Education.	8,000
Unassigned grant for the Fourth Plan period.	6,500
Grant towards the salary revision of University teachers.	13,536.94
Estt. of Students' Aid Fund.	3,968
Total:	<u>32,754.94</u>

2. Gujarat Vidyapith.

Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
-do-	250
Unassigned grant for the Fourth Plan period.	6,500
Estt. of Hobby Workshop.	10,000
Total:	<u>17,000</u>

3. Gurukul Kangri Vishwa-  
vidyalaya, Hardwar.

Unassigned grant for the Fourth Plan period.	4,500
Purchase of books & Journals for all Science Departments.	3,000
-do- (Humanities)	10,000
Total:	<u>17,500</u>

4. Indian Agricultural Research  
Institute, New Delhi.

Award of Senior Research fellowships in Science.	6,000
Grant towards holding International Symposium on Plant Pathology.	2,500
Total:	<u>8,500</u>

5. Indian Institute of Science,  
Bangalore.

Extension in fellowship tenure of Senior Research fellowships in Engg. and Tech.	4,800
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Indian Institute of  
Science, Bangalore Contd:

Grant towards the change over of the Power system from 4.4 KV. to 11 KV.	50,000
Unassigned grant for the Fourth Plan period.	13,500
Construction of Guest House.	75,000
Total;	1,43,300

6. Indian School of Inter-  
national studies, New Delhi.

Estt. of Students' Aid Fund.	500
Unassigned grant for the Fourth Plan period.	9,000
Grant towards cost of land for school and hostel buildings.	13,338
Development of higher education and research in Humanities and Social Sciences.	1,50,000
Construction of School Building.	50,000
-do-	50,000
Total:	2,72,838

7. Jamia Millia Islamia,  
New Delhi.

Unassigned grant for the Fourth Plan period.	4,500
Grant towards furnishing of Arts Building.	8,000
Grant towards the salaries of additional /staff /approved during III Plan.	50,000
Total:	62,500

8. Kashi Vidyapith.

Utilisation of services of retired teachers.	3,854.84
Construction of staff quarters.	10,000
-do- Vice-Chancellors' House.	5,000
-do- Men's Hostel.	50,000
-do- Guest House,	5,000
Estt. of Non Resident Students' Centre.	6,000
-do- Hobby Workshop.	10,000
Construction of bldg. for the college of Social work.	20,000
-do- press building.	10,000
Unassigned grant for the 4th Plan period.	6,500
Total:	1,26,354.84

9. Tata Institute of  
Social Sciences, Bombay.

Unassigned grant for the Fourth Plan period.	6,500
Total:	6,500

N O N P L A N

1. Aligarh Muslim University.

Maintenance grant for 1967-68	13,00,000
-do-	16,00,000
Grant for meeting the additional expenditure involved on pay of Nawab Ali Yavar Jung as Vice-Chancellor during 1967-68.	6,000
Total:	<u>29,06,000</u>

2. Banaras Hindu University.

Maintenance grant for 1967-68.	16,00,000
-do-	18,00,000
-do- 1962-63	2,57,184.70
Total:	<u>36,57,184.70</u>

3. Delhi.

Maintenance grant for 1967-68	18,00,000
-do-	9,00,000
-do- in respect of Delhi School of Social Work.	53,000
-do-	30,000
-do- Institute of Postgraduate evening Studies.	1,16,000
-do-	64,000
-do- Miranda House.	1,58,000
-do-	88,000

Constituent Colleges.

Dyal Singh College, New Delhi.	Maintenance grant for 1967-68.	1,00,000
-do-	-do-	55,000
Indraprastha College for Women, Delhi.	-do-	1,25,000
-do-	-do-	69,000
Lady Shri Ram College for Women, New Delhi.	-do-	1,17,000
-do-	-do-	65,000
Hastinapur College (Evening) Moti Bagh, New Delhi.	-do-	36,000
-do-	-do-	20,000
Dyal Singh College (Evening) Lodi Road, New Delhi.	-do-	37,000
-do-	-do-	20,000
Deshbandhu College (Evening) Kalkaji, New Delhi.	-do-	34,000
Modern College for Women, Defence Colony, New Delhi.	-do-	89,000
-do-	-do-	49,000
Ramjas College, Delhi.	-do-	1,02,000
-do-	-do-	1,23,000
-do-	-do-	56,000

pt.o

Delhi Contd:

Ramlal Anand College, New Delhi.	Maintenance grant for 1967-68.		23,000
-do-	-do-		12,000
St. Stephen's College, Delhi.			1,03,000
-do-	-do-		57,000
Daulat Ram College, Delhi.	Grant for purchase of a duplicating machine.		24
Women's College, Timarpur, Delhi.	Maintenance grant for 1967-68.		53,000
-do-	-do-		30,000
P.G.D.A.V. College, (Evening) Chitragupta Road, New Delhi.			36,000
-do-	-do-		20,000
Hastinapur College, Moti Bagh, New Delhi.			68,000
-do-	-do-		38,000
Delhi College (Evening), Ajmeri Gate, Delhi.			42,000
-do-	-do-		23,000
P.G.D.A.V. College (Day classes) New Delhi.			59,000
-do-	-do-		27,000
Shri Ram College of Commerce, Delhi.			75,000
-do-	-do-		41,000
Rajdhani College, Kirtinagar, N. Delhi.			84,000
-do-	-do-		45,000
W.A.F. Memorial Shivaji College, P.O. Matiala (Via New Delhi-1).			54,000
-do-	-do-		30,000
S.G.T.B. Khalsa College, New Delhi.			1,39,000
-do-	-do-		77,000
Shyamlal College, Shahdara, Delhi.			45,000
-do-	-do-		24,000
Hindu College, Delhi.			92,000
-do-	-do-		51,000
Sri Venkateswara College, New Delhi.			50,000
-do-	-do-		28,000
Lady Irwin College, New Delhi.			93,000
-do-	-do-		52,000
Janki Devi Mahavidyalaya, N. Delhi.			86,000
-do-	-do-		47,000
Kirori Mal College, Delhi.			1,30,000
-do-	-do-		72,000
Daulat Ram College, Delhi.			91,000
-do-	-do-		50,000
Deshbandhu College, Kalkaji, N. Delhi.			1,29,000
-do-	-do-		71,000
Delhi College, Ajmeri Gate, Delhi.			1,60,000
-do-	-do-		89,000
Deshbandhu College (Evening) N. Delhi.			19,000
Lady Shri Ram College for Women, New Delhi.		1964-65	1,927
Hans Raj College, Delhi.		1967-68	68,000

Total: 68,90,951

p.t.o

4. Visva Bharati.

Maintenance grant for the year	5,00,000
1967-68.	
-do-	2,00,000
Total:	<u>7,00,000</u>

Total Plan: 1,41,68,985.66

Total Non-Plan: 1,41,34,135.70

Grand total of  
Plan & Non-Plan: 2,83,03,121.56

University Grants Commission

Date: Meeting:  
5th July, 1967  
Time: 10.00 A.M.  
Place: UGC Building,  
New Delhi.

A G E N D A

1. To receive the minutes of the meeting of the Commission held on 3rd May, 1967.
- \*2. (a) To approve the action taken on certain matters.  
(b) To receive items of information.
- \*3. To approve the statement of grants released after the last meeting of the Commission held on 3rd May, 1967.
- \*4. To receive a statement of expenditure incurred by the University Grants Commission during 1967-68 (upto 31.5.1967).
5. To receive a note on the recognition of degrees awarded by the Delhi University through Correspondence Courses. p.1-2
6. To receive the report of the Committee appointed by the Commission to consider the extension of the scheme of Correspondence Courses to more Universities. p.3-6
7. To receive the report made by Academician V.I. Goldanski, Unesco Consultant, who visited Indian Universities under the United Nations Expanded Programme of Technical Assistance during the year 1966-67. p.7-9
8. To receive the report made by Dr. A.N. Kholodilin on the completion of his assignment as first Unesco Coordinator to U.G.C. for Centres of Advanced Study Project in Indian Universities. p.10-12
9. To receive a note on the visit of Unesco Mission appointed to evaluate programme of Unesco Assistance to Centres of Advanced Study Project in Indian Universities. p.13-15.
10. To receive a note on the Centre of Advanced Study in Education, M.S. University of Baroda. p.16-37
11. To receive a reference from the Government of India, Ministry of External Affairs with regard to Correspondence with Taiwan Government Organisations. p.38
12. To consider the reports of the U.G.C. Visiting Committees for development of Universities with particular reference to the Fourth Plan. *Will follow.*

13. To consider the following proposals received from the Banaras Hindu University: p.39
  - (a) Reorganisation of the Library. p.40-43
  - (b) Health Examination of students. p.44-45
  - (c) Certain ancillary works for the College of Medical Sciences. p.46-48
14. To consider the following proposals received from Delhi University:- p.49
  - (a) Establishment of the Department of Geology. p.50-52
  - (b) Payment of a grant of Rs.12,000/- towards stipends to two Visiting Professors for a period of one year. p.53
  - (c) Payment of an ad hoc grant to the Lady Irwin College for the Department of Food and Nutrition. p.54-58
  - (d) Creation of two additional posts of Lecturers in Commerce in the Institute of Post-graduate(Evening) studies. p.59-61
  - (e) Continuance of the Planning Unit in the Delhi University. p.62-65
15. To consider a proposal from the University of Burdwan for the appointment of Deans of Students. p.66
16. To consider the following proposals received from Jadavpur University: p.67
  - (a) Sanction of additional equipment grant on account of Devaluation. p.68
  - (b) Establishment of a Computer Centre. p.69-77
17. To consider the proposal of the Meerut University for assistance towards the development of a University Library. p.78
18. To consider a proposal from the University of Mysore for approval of certain projects pending consideration of the Report of the Visiting Committee for the IV Plan. p.79-80
19. To consider a proposal from the Patna University for assistance towards projects to be undertaken in connection with the Golden Jubilee Celebrations of the University. p.81
20. To consider the proposal received from the Poona University for conversion of the post of a Reader in Economics, approved by the Commission under Third Plan Development Schemes to that of a Professor. p.82
21. To consider the question of applicability of the revised scales for teachers to retired personnel. p.83

22. To consider the question of the basis of assistance for non-recurring expenditure in respect of B.Sc.(General) Group-B Courses in the Delhi Colleges. p.84-86
23. To consider the question of minimum qualification prescribed by the Delhi University for admission to the Correspondence Courses for the B.A.(Pass) Degree. p.87
24. To consider participation of universities in India in the 10th Commonwealth Universities Congress to be held at Sydney (Australia) in 1968. p.88
25. To consider the allocation of unassigned grants to newly established universities. p.89
26. To consider further the amendment of regulation relating to recognition of colleges under section 2(f) of the U.G.C. Act, 1956. p.90-97
27. To consider the recommendations of the Standing Advisory Committee on Area Studies. p.98
28. To consider if the committed expenditure for the establishment of postgraduate institutes of Basic Medical Sciences at 4 University Centres of Calcutta, Panjab, Madras and Bombay are to be met out-side the allocation for the development of higher education and research in Sciences and Humanities during the Fourth Five Year Plan. p.99-104
29. To consider the question of extension of the Text Book Library Scheme to cover colleges with enrolment of less than 500 students. p.105-106
30. To consider the period for which assistance may be given to the universities towards staff appointed under the General Education Scheme. p. 107-108
31. To consider the question of permitting the State Universities and the Institutions deemed to be universities to give advance increments to teachers on their first appointment against approved posts. p. 109
32. To consider the report of the Committee appointed by the University Grants Commission to review the working of the 4-year integrated course for the training of Science and Mathematics Teachers at Sardar Patel University. p.110-112
33. To consider the proposal of the Bharatiya Vidya Bhawan for financial assistance for organising a Camp for the Universities for an intensive study of the problem of ethical and spiritual values as the basis of national integration. p.113
34. To consider the following proposals received from the Ministry of Education: p.114
  - (a) Starting diploma courses in Sanskrit for university students. p.115-116



- (b) Taking over of the Scheme of preparation of a Historical Grammar of Hindi Language and Literature by the Central Hindi Directorate. p.117-118
- (c) Payment of direct subsidy to college students for purchasing text books. p.119-122
- (d) Recognition of Associateship of Documentation Research and Training Centre as equivalent to the Degree of Master of Library Science. p.123-125
35. To consider a proposal of the Government of Andhra Pradesh regarding extension of the benefit of the salary revision scheme to the temporary teachers in Government Colleges. p.126-127
36. To consider further the proposal from the State Government of West Bengal for development of the Post-graduate Research and Training Department of the Sanskrit College, Calcutta into an Indological Institute with the status of a 'deemed University' under U.G.C. Act. p.128-136
37. To consider a proposal of the State Government of Bihar for the establishment of Mithila University by reorganising the existing K.S. Darbhanga Sanskrit Vishwavidyalaya, Darbhanga. p.137
38. To consider a reference from the Government of India, Ministry of External Affairs, with regard to relations with organisations in South Africa. p.138
39. To consider the recommendations made at the meeting of the Scientists and members of the Institute of Industrial Engineers convened by the Planning Commission. p.139-140
40. To consider the recommendations of the A.I.C.T.E. regarding additional requirements of the Civil Engineering Department of the Roorkee University. p.141-142
41. To consider a proposal from the India International Centre, New Delhi for organising a Seminar on Library Architecture and its role to be held during August-September, 1967 for a period of five days. p. 143 With draw
42. To consider the request of the Indian School of International Studies for an additional grant of Rs.2,500/- for organising the Seminar on Asian States and International Law. p.144
43. To consider proposals received from the Universities of Osmania, Banaras, I.S.I.S. New Delhi and Delhi regarding appointments under the scheme of 'Utilisation of services of retired teachers. p.145-146
44. To consider further the establishment of Post-graduate Centres in Universities. p.147-151

45. To consider a proposal for the purchase of a new Ambassador Mark II Staff Car for the Commission in place of the existing staff car No. DLF-3880. p.152-153
46. To consider certain establishment matters of the University Grants Commission.
47. To note the date and place for the next meeting of the Commission.

Any other item.

UNIVERSITY GRANTS COMMISSION

PROCEEDINGS OF THE 86TH MEETING OF THE UNIVERSITY  
GRANTS COMMISSION HELD IN NEW DELHI ON 3RD MAY, 1967.

The following were present :-

- |    |                        |                 |
|----|------------------------|-----------------|
| 1. | Dr. D.S. Kothari       | Chairman        |
| 2. | Dr. S. Dhawan          | Member          |
| 3. | Dr. D.S. Reddi         | "               |
| 4. | Shri B. Shiva Rao      | "               |
| 5. | Prof. A.R. Wadia       | "               |
| 6. | Shri K.L. Joshi        | Secretary       |
| 7. | Shri G.K. Chandiramani | (By invitation) |

Secretariat

- |    |                        |                     |
|----|------------------------|---------------------|
| 1. | Shri R.K. Chhabra      | Deputy Secretary    |
| 2. | Dr. D. Shankar Narayan | Development Officer |
| 3. | Dr. R.C. Gupta         | "                   |
| 4. | Dr. R.D. Deshpande     | "                   |
| 5. | Dr. J.N. Kaul          | "                   |

Apology of absence was received from Shri D.C. Pavate, Nawab Ali Yavar Jung, Shri T.P. Singh and Shri P.N. Kirpal.

Item No.1: To receive the minutes of the meeting of the Commission held on 5th April, 1967.

The Minutes of the 85th meeting of the Commission held on 5th April, 1967 already circulated, were confirmed with Resolution No.28 to be read as follows:

(Item No.28: To receive and approve statement about the cost of commodities transferred to the universities on grant basis for the organisation of summer institutes for school and college teachers organised in collaboration with NCERT and US Agency for International Development during 1965-66). -

It was noted that the University Grants Commission had received certain equipment including books and films to be used for Summer Institutes during 1965-66. The Commission was informed that there was delay in the receipt and clearance of the commodities from the USA. An unforeseen factor was the US Dock Workers strike.

The Universities were most anxious to have the equipment quickly despatched to them as the Summer Institutes were in session. The equipment on arrival at Bombay was immediately despatched to the Universities concerned and it was not found practicable for the UGC office to maintain a stock register.

The Commission noted that the Universities to whom equipment was sent had been asked to supply to the U.G.C. a certificate that the equipment sent to them had been received and entered in their own stock registers in accordance with the rules of the university concerned.

The Commission further agreed that the statement of cost of the commodities transferred to the universities on grant basis for the Summer Institutes for schools and colleges as indicated in Appendix III be conveyed to the universities concerned and their certificate obtained as indicated above.

Item No.2(a): To approve the action taken on certain matters.

(b) To receive items of information.

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

(b) This was noted.

Item No.3: To approve the statement of grants released after the last meeting of the Commission held on 5th April, 1967.

The Commission approved the grants released after the last meeting of the Commission held on 5th April, 1967, as listed in Appendix II\*.

Item No.4: To receive a statement of expenditure incurred by the University Grants Commission during 1966-67.

This was noted.

Item No.5: To receive the report of the Committee appointed by the Commission to review the working of the Kashi Vidyapith, Varanasi.

The Commission desired that the report may be sent to the Vidyapith requesting for the Vidyapith's views on the recommendations and suggestions made in the report. It may also be brought to the notice of the Vidyapith that any further assistance to it from the U.G.C. would depend on the satisfactory implementation of the recommendations made by the Committees of the U.G.C. and accepted by the Commission from time to time. In particular, the attention of the Vidyapith may be drawn to the recommendations made by the Committee on the basis of which the Kashi Vidyapith was declared to be deemed as a university under Section 3 of the U.G.C. Act.

Item No.6: To receive the revised rules framed by the Bar Council of India on the standards of Legal education.

This was noted.

Item No.7: To receive a report on the implementation of cultural exchange programmes.

This was noted.

Item No.8: To consider the proposal of Aligarh Muslim University for construction of a building for Electrical Engineering under the Double Intake Scheme.

The Commission noted that the expenditure now estimated for the completion of the building was much more than the original envisaged by the AICTE and desired that the case may be further examined with a view to finding out if economy could be exercised in the construction of the building; and the matter brought up before the Commission at a later meeting.

Item No.9: To consider further the proposal from Banaras Hindu University for the establishment of a Central Engineering Service and Research Station.

The Commission accepted in principle the proposal of the Banaras Hindu University for the establishment of a Central Engineering Service and Research Station as recommended by Dr. S. Dhawan. It was noted that because of scarcity of funds the Commission was not in a position to make any grants for the scheme in the immediate future.

Item No.10: To consider the following proposals received from the Delhi University:

- (a) for re-imbusement of hospital expenditure to the staff of the University.
- (b) for the creation of an additional professorship by conversion of posts of a Reader and Lecturer at the Centre of Advanced Study in Botany.
- (e) for additional staff and accommodation for the Departments of Physics and Chemistry for increased admissions to the Honours Courses.
- (d) for financial assistance for reconstruction of the Assembly Hall of the Hindu College, Delhi.
- (e) for hiring residential accommodation for Professor Vahiduddin, Head of the Department of Philosophy.

(a) The Commission desired that the University may be requested to intimate if they would be willing to increase the subscription of the employees towards the health service scheme in case it was decided to provide for the hospitalisation facilities for the staff and if so to what extent.

(b) The Commission desired that the Chairman may discuss this matter with the Vice-Chancellor.

(c) The Commission agreed to the construction of additional accommodation upto 10,000 sq.ft. built-up area for each of the Departments of Physics and Chemistry. As regards the maintenance expenditure for running the laboratories including the laboratory staff for the additional number of students the Commission desired that the University be requested to take this up as a part of the normal annual budget of the University.

With regard to the additional staff the Commission desired that a committee be appointed to look into the requirements of the departments for additional staff for the increased admissions after taking into account the vacancies the university would have consequent upon the teachers going on study leave and otherwise, and also the possibility of (part-time) appointment of assistant lecturers/Research Assistants to look after the practical classes.

(d) In view of the financial stringency the Commission could not accept the proposal of the Delhi University for financial assistance for the reconstruction of the Assembly Hall of the Hindu College, Delhi.

(e) This was withdrawn as the University has already provided a house for Professor S. Vahiduddin.

Item No.11: To receive a proposal from the Ministry of Education regarding co-ordination between State Governments and University Grants Commission in sanctioning development schemes of State Universities.

The Commission agreed with the desirability of consultations with the State Governments, and noted that on the whole the present arrangements were satisfactory. Difficulties arising with any particular scheme or University may be examined and dealt with individually, rather than lay down a rigid procedure which may not be helpful in bringing about the desirable development and progress in the universities.

Item No.12: To consider a proposal from Annamalai University for extension of the period of UGC assistance towards the scheme of additional facilities in Engineering degree courses.

It was agreed that the matter may be looked into further and brought up at the next meeting of the Commission.

Item No.13: To consider the proposals from the Universities of Bombay, Kerala, Agra, Kanpur and Poona for assistance to affiliated colleges for the development of Post-graduate studies in Science subjects during the Fourth Five Year Plan period.

The Commission desired that further information may be obtained and the matter brought up before the Commission at the next meeting.

Item No.14: To consider a proposal from the University of Madras for grants in connection with the installation of IBM-1130 computer and purchase of peripheral equipment at the Centre of Advanced Study in Physics.

The Commission accepted the proposal of the Madras University and agreed to give a non-recurring grant of Rs. 3 lakhs for the purchase of "peripheral" equipment and the installation of IBM-1130 computer etc.. and a recurring expenditure not exceeding Rs.50,000/- per annum for its maintenance.

Item No.15: To consider the proposal of the Panjab University for assistance to the Regional Centre for post-graduate studies at Simla for a period of five years from 15th September, 1965.

The Commission agreed that the assistance of the Panjab University towards the Regional Centre for post-graduate studies at Simla may continue upto 31st March, 1970 on the existing basis.

Item No.16: To consider a proposal from the University of Poona to institute studies in Forestry Economics at the Centre of Advanced Study in Economics located in the Gokhale Institute of Politics and Economics.

The Commission was of the view that it could consider this proposal of the University of Poona to institute studies in Forestry Economics at the Centre of Advanced Study in Economics located in the Gokhale Institute of Politics and Economics provided the State Government was agreeable to share the expenditure involved.

Item No.17: To consider a proposal from Osmania University for strengthening the existing Examination Unit at the University.

The Commission accepted the proposal of Osmania University for strengthening the existing Examination Unit at the University under the examination reform scheme at a total expenditure not exceeding Rs.25,000 per annum for the Plan period on 50:50 sharing basis.

Item No.18: To consider the proposal of Tilak Dhari College, Jaunpur (Gorakhpur University) for the development of Science education.

In this connection the Commission noted that the U.P. State Government had provided a grant of Rs.79,000/- to the Tilak Dhari College, Jaunpur for the development of science education and agreed to sanction a grant not exceeding Rs.1.13 lakhs within the Fourth Plan ceiling to the College for the construction of the Biology Block.

Item No.19: To consider the proposal of Maharaj Singh College, Saharanpur (Meerut University) for the development of Science Education.

The Commission noted that U.P. State Government had provided a grant of Rs.41,500/- to Maharaj Singh College, Saharanpur for the development of science education and agreed to sanction a matching grant of Rs.41,500/- within the Fourth Plan ceiling for the scheme, on the usual sharing basis.

Item No.20: To consider the recommendations of the All India Council for Technical Education for starting postgraduate diploma course in Business Management (a) Banaras Hindu University and (b) Rajasthan University.

In view of the present difficult budgetary position, the Commission desired that the proposal may be brought before the Commission at a later meeting. In this connection the Commission noted that it would not be possible for the universities to start these courses before July 1968, in any case.

Item No.21: To consider further the method of selection of students for admission to Engineering and Technological Institutions in the country.

It was agreed that the report of the Committee be referred to the Inter-University Board for advice.

Item No.22: To receive the report of the Committee on Physical Education (including Games and Sports) appointed by the U.G.C.

The Commission received the report of the Committee and desired that the same may be circulated to the universities for comments.

The Commission further desired that as recommended by the Commission, a review committee for Physical Education be appointed.

Item No.23: To consider a proposal for National Committee for the Gandhi Centenary for the constitution of National Integration Samities in Universities.

It was agreed that the suggestion of the Gandhi Centenary for the constitution of National Integration Samities in Universities be commended to the universities. Assistance from the Commission for the scheme may be provided under the head of "un-assigned grant" to universities.

Item No.24: To consider further the request for salary revision of University teachers of Osmania University.

The Commission accepted the proposal of the Osmania University to grant the notional benefit of revised scale for those teachers whose salaries were not revised with effect from 1st April, 1963 but without retrospective benefit of arrears of pay upto 1st April, 1965.

Item No.25: To consider the request of the Bihar Government regarding changes in the mode of fixation of pay of college teachers.

The Commission noted the proposal of the Bihar Government that the scale of pay of college teachers has been revised from 1.7.1964 and that the teachers appointed after 31st January 1964 will be placed in the revised grade and the entire cost will be met by the colleges.



The Commission could not accept the suggestion of the Bihar Government to link the revision of the scale of pay with the enrolment of a college and desired that teachers in all colleges affiliated to the university be given the benefit of the revised scale. Further the Commission desired that the same weightage for the post service should also be given to teachers while fixing their scale in the revised grade.

Item No.26: To consider the recommendations of the Estimates Committee (1965-66) regarding the training of Electronics Engineers.

It was noted that a study group has already been appointed under the Chairmanship of Dr. V.K.R.V. Rao regarding the training of Electronics Engineers. The Commission desired that the report of the study group may be awaited.

Item No.27: To further consider the proposal of the Delhi University for revision in the basis of Maintenance Grants payable to non-Government Colleges affiliated to the University.

The Commission generally accepted the report of the Committee appointed to consider the revision of the basis of the maintenance grant payable to the non-Government colleges affiliated to the Delhi University.

Item No.28: To receive the Summary of the views of the Vice-Chancellors of various universities in connection with the recommendations of the Education Commission about students' service, welfare etc.

This was noted. In this connection it was pointed out that the Government of India had already been approached to provide funds for the basic amenities for students.

Item No.29: To consider certain establishment matters of UGC.

This was withdrawn.

Item No.30: To consider the question of recognition of new Centres of Advanced Study during the Fourth Five Year Plan period.

It was agreed that this be taken up at the July meeting.

Item No.31: To consider a proposal from the Banaras Hindu University for assistance towards the construction of a building for the cooperative stores.

In view of the financial difficulties the Commission regretted its inability to accept the proposal.

Item No.32: To consider a proposal from Calcutta University for the continuation of a research scheme in advanced Electronics during the Fourth Plan.

The Commission accepted the proposal of the Calcutta University for the continuation of a research scheme in advanced Electronics during the Fourth Plan period on the present basis provided that the university gave an assurance to continue this from its own resources after the Commission's assistance ends.

Item No.33: To consider the following proposals received from Rajasthan University:

- (a) for financial assistance towards the setting up of a special institute for comparative studies in Planning and Development Administration.
- (b) for the appointment of additional staff in the Humanities, Social Sciences and Sciences pending the finalization of the Report of the Visiting Committee.

(a) The Commission desired that the proposal may be considered along with the report of the Visiting Committee to assess the Fourth Plan requirements of the University.

(b) The Commission agreed to the creation of 2 posts of professors and 4 readers to be assigned to such departments as may be considered necessary by the University provided an assurance was given that the posts will be maintained by the University after the Fourth Plan period.

Item No.34: To consider the proposal of Pemraj Sarda College, Ahmednagar (Poona University) for the construction of a Men's Hostel.

Consideration of this was postponed to a later meeting.

Item No.35: To consider the proposal of S.M.S. Medical College, Jaipur, (Rajasthan University) for the purchase of Library books.

The Commission regretted its inability to accept the proposal of S.M.S. Medical College, Jaipur (Rajasthan University) for the purchase of library books.

Item No.36: To consider the report of the Committee appointed for laying down guiding principles for renting buildings by the Central Universities.

The Commission accepted the following recommendations of the Committee appointed for laying down guiding principles for renting buildings by the Central Universities:

- (a) Universities should not hire any accommodation for academic purposes;

- (b) Ordinarily no accommodation should be hired even for residential purposes. However, in cases where it has perforce to be done, the area of the accommodation to be hired should not exceed the norms laid for construction of different types of houses and that the ceiling limit for rent may be Rs.200; Rs.340; and Rs.450 for Lecturers, Readers and Professors, respectively.

Item No.37: To consider a proposal from the University of Burdwan for the appointment of deans of students

Consideration of this was postponed to the July meeting.

Item No.38: To receive a note on the improvement of class-room aids (blackboards).

The Commission desired that the note be circulated to the Universities and Colleges and agreed that the colleges may be assisted to the extent of Rs.1,000/- per college, subject to availability of funds.

Item No.39: To consider the budget estimates of Plan projects of U.G.C. for 1967-68.

The Commission agreed that the budget estimate for 1967-68 may be revised so as to keep within the financial ceiling of Rs.10.31 crores now indicated by the Central Government. The Commission further desired that the Central Government be approached to provide for atleast additional Rs. 4 crore grant under the Plan project to enable the Commission to meet the expenditure on continuing schemes and also to provide for new urgent requirements of the universities.

Item No.40: To receive the University Grants Commission (supplementary terms and conditions of service of the employees) Regulations 1967 as approved by the Government of India.

The Commission received the University Grants Commission (supplementary terms and conditions of service of the employees) Regulations 1967 as approved by the Government of India.

Item No.41: To consider the reports of the Visiting Committees appointed to assess the Fourth Plan development proposals of the Universities.

The Commission desired that the Visiting Committee Reports may be brought before the Commission at its July meeting. In the meantime the recommendations made by the Visiting Committees with regard to allotment of funds for books and journals may be accepted and intimated to the universities.

Item No.42: To consider a proposal from the Department of Physics, Delhi University for organising a Summer School in Theoretical Physics at Dalhousie in the summer of 1967.

The Commission was of the view that summer schools and symposia should be held generally at the university places. In the case of present proposal of the Delhi University the Commission agreed as a special case for this year the department of Physics may organise summer school in Theoretical Physics at Dalhousie provided that the total expenditure to be incurred from all sources shall not exceed Rs.40,000/- including the travel and any honorarium payable to the visiting physicists. (The expenditure to be incurred for the latter purpose should not be debited separately to the funds available under any recurring head for the Centre of Advanced Study).

Item No.43: To consider a proposal from the Bombay University for revision in the sharing basis of grants sanctioned for the Postgraduate Institute of Basic Medical Sciences.

The Commission could not accept the proposal of the Bombay University for revision of the sharing basis of grants sanctioned for the Postgraduate Institute of Basic Medical Sciences.

Item No.44: To further consider the proposal of the University of Udaipur for construction of a Girls' Hostel.

The Commission accepted the proposal of the University of Udaipur for the construction of a Girls' Hostel provided that the Commission's assistance would be limited to a total built up area not exceeding 10,000 sq.ft. within the usual norms.

Item No.45: To consider the recommendations of the A.I.C.T.E. regarding additional requirements of the Civil Engineering Department of the Roorkee University.

Consideration of this was postponed to the next meeting.

Item No.46: To consider the recommendations of the Committee appointed by the University Grants Commission to review the work of the University Film Council.

The Commission was not in favour of transferring the work of the Film Council to the Inter-University Board. The Commission further desired that the question whether the facilities now provided by the Film Council could be provided by the department of Audio-Visual Education of the NCERT or the Institute of Mass Communication be further examined.

Item No.47: To consider the report of the Committee which was appointed to determine the maintenance grants for the Central Universities for the year 1961-62 to 1963-64.

The Commission accepted the deficit of Rs.10,37,184.70 payable to the Banaras Hindu University for the period 1961-64 and sanctioned the payment of a grant of Rs.2,37,184.70 (Rs. 8 lakhs having been already paid as on account grant). The Commission desired that the question of meeting the deficit on account of S.S. Hospital amounting to Rs. 5,25,114.86 for the period 1961-64 may be taken up with the Central Government. The Commission agreed with the recommendations of the Committee that no grant be paid for meeting the expenditure of Rs.5,08,266.31 incurred by the University for additional posts created for three year degree course over and above the limit provided by the Commission and that the University may consider the possibility of meeting this from its own funds.

Item No.48: To consider the proposal of the Banaras Hindu University for extension to the first floor of the administrative office building.

The Commission noted that consequent upon the discussion which the Chairman had with the Rector, the Banaras Hindu University has sent a revised proposal for extension to the administrative office building at an estimated cost of Rs.1,96,400/-. The Commission accepted the revised proposal of the Banaras Hindu University.

Item No.49: To consider a proposal of the Osmania University for approval of an expenditure of Rs.21,060.87 incurred towards the purchase of a car for the Rangapur Observatory of the Department of Astronomy out of the equipment grant sanctioned by the UGC.

The Commission noted that a jeep was already available with the Observatory of the Department of Astronomy of the Osmania University. The Commission sanctioned an expenditure not exceeding Rs.21,100/- for the purchase of an Ambassador Car for the Observatory, the expenditure being met from the allocation made for purchase of equipment.

Item No.50: To consider the proposal of the Kerala University for the continuation of the scheme relating to Small Scale Dialect Survey during the Fourth Plan period.

The Commission accepted the proposal of the Kerala University for the continuation of the scheme relating to Small Scale Dialect Survey during the Fourth Plan period on the existing basis till 14th July 1968 after which Commission's assistance would cease.

Item No.51: To consider the recommendations of the A.I.C.T.E. regarding institution of Master's Degree Course in Business Administration at the University of Delhi.

The Commission agreed in principle to the institution of Master's degree course in Business Administration in the University of Delhi and desired that the University be requested to send the financial implications for starting the course.

Item No.52: To consider proposals from Universities for the introduction of three-year degree course in Law later than the academic year 1967-68.

The Commission agreed that the universities detailed below be permitted to start three-year degree course in Law with effect from the academic year shown against each:-

Sardar Patel University	1969-70
Agra University	1968-69
Mysore University	1968-69

The Commission could not accept the proposal of the State Government of U.P. that Rule 10 of the revised rules of the Bar Council would create any discrimination and unnecessary administrative problem. The Commission felt that the universities be permitted to start three-year LL.B. degree course on a date that may be convenient to the University and may not be from a common date.

Item No.53: To consider further the proposal of the Delhi University for creation of additional posts in its Engineering Unit.

The Commission accepted the proposal of the Committee appointed to assess the requirements of the Engineering Unit of the Delhi University and agreed that one of the existing posts of a section officer be upgraded to that of an assistant engineer and that the post of the architectural draftsman be created. It was noted that the expenditure on this could be provided from the maintenance grant payable to the University.

Item No.54: To note the date and place of the next meeting of the Commission.

The Commission noted that the next meeting of the Commission will be held at New Delhi on 5th July, 1967.

Sd/-  
(K.L. Joshi)  
Secretary.

Sd/-  
(D.S.Kothari)  
Chairman

UNIVERSITY GRANTS COMMISSION

Meeting:

5th July 1967

Item 2(a) - To approve the action taken on certain matters

- (1) Sanction of grants to affiliated colleges for the development of Postgraduate studies in Humanities and Social Sciences during the Fourth Five Year Plan period.

-----

The Commission vide resolution No. 16(A) dated the 5th May, 1966 approved the pattern of financial assistance for the development of Postgraduate studies in Humanities and Social Sciences and agreed to assist affiliated colleges for the purpose subject to a limit of Rs. 1.00 lakh during the Fourth Plan period.

In pursuance of the above decision, approval 'in principle' was conveyed to the S.R.K. (Postgraduate) college, Firozabad in respect of the following items:-

Purpose	Estimated expenditure	Commission's share	Basis
(i) Building (class rooms)	36,000	18,000	50:50
(ii) Books and journals	24,000	18,000	75:25
Total :	60,000	36,000	

This was reported to the Commission under item 2(a) of the Commission's meeting dated 1st February 1967.

A further expenditure of Rs. 3,600/-, being 10% of the cost of building (class rooms) has been approved for furniture for the building of the college on the usual sharing basis of 50%; the Commission's share being Rs. 1,800/-.

- (2) Sanction of grants to affiliated colleges for the development of Postgraduate studies in Humanities and Social Sciences during the Fourth Plan period

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The Commission vide resolution No. 16(a) dated 5th May, 1966 approved the pattern of financial assistance for the development of Postgraduate studies in Humanities and Social Sciences and agreed to assist the affiliated colleges for the purpose, subject to a limit of Rs. 1.00 lakh during the Fourth Plan period.

p.t.o.

In pursuance of the above decision of the Commission, the proposals of the following colleges for the development of Postgraduate studies in the Humanities and Social Science have been approved:-

University/ College	Item approved	Estimated cost	Commission's share	Basis
1	2	3	4	5
<u>Agra University</u>				
1. Agra College, Agra	Books & journals	60,000	45,000	75:25
<u>Gujarat University</u>				
1. Shah N.H. Commerce College and Shri N.K.M. Arts College, Bulsar.	Books & journals	20,000	15,000	75:25
<u>Kanpur University</u>				
1. D.V. College, Orai	Books & journals	25,000	18,750	75:25
<u>Kerala University</u>				
1. F.M.N. College, Quilon	Books & journals	15,000	11,250	75:25
<u>Madurai University</u>				
1. V.O.C. (i) Teacher's (ii) College, Tuticorin.	Furniture Books & journals	1,200 8,300	600 6,225	50:50 75:25
		<u>9,500</u>	<u>6,825</u>	

(3) Rajasthan University - Research Unit in Para-Psychology - continuance of the scheme upto 31.3.1968.

The Commission at its meeting held on 7.10.1964 sanctioned the payment of the following grants for the establishment of a Research Unit in Para-Psychology at the University of Rajasthan (Res.No. 36 dated 7.10.1964):

Particulars	Estimated expenditure	Share of the UGC
1	2	3
(a) <u>Recurring</u> Staff travelling expenses, providing stationery contin- gencies etc.	Rs. 89,800	Rs. 44,900



1	2	3
<b>(b) <u>Non-recurring</u></b>		
i) Books & Journals	Rs. 20,000	Rs. 20,000
ii) Laboratory Equipment	Rs. 20,000	Rs. 10,000
iii) Jeep, station wagon	Rs. 18,000	Rs. 9,000
	<u>Rs. 58,000</u>	<u>Rs. 39,000</u>

On receipt of a letter from Prof. Ian Stevenson of the School of Medicine, Department of Neurology and Psychiatry, University of Virginia, U.S.A., it was considered necessary to withhold payment of further grant to the university on this account. This was reported to and considered by the Commission at its meeting held on 7th September, 1966. Subsequently this matter was discussed with the Vice-Chancellor, Rajasthan University and it was decided that the assistance of the Commission, which was available upto 31st March, 1967 may be extended upto 31st March, 1968 on the present basis pending the decision of the Commission on the report of the Fourth Plan Visiting Committee.

- (4) Proposal of the Delhi University for assistance towards the publication of 'The Journal of University Education' under the General Education Scheme
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The Commission, at its meeting held on 4th August 1965, agreed to the payment of a grant of Rs. 10,000/- (Resolution 18) to the Delhi University for the publication of "The Journal of University Education" under the General Education Scheme on condition that the Journal would be run and published by the Delhi University. The Delhi University has reported that it has nothing to do with the publication of the Journal nor was the university concerned at any stage with its publication and, therefore, the question of acceptance of the grant of Rs. 10,000/- does not arise. The sanction of the Commission has therefore been withdrawn and the university informed accordingly.

- (5) Proposal for the purchase of equipment for the Department of Human Geography during Fourth Plan - Delhi University.
- 

Pending the decision of the Commission on the report of the Fourth Plan Visiting Committee of the Delhi University, a grant of Rs. 8,000/- has been sanctioned to the Delhi University towards the purchase of equipment for the Department of Human Geography on condition that this grant will be a charge on the Fourth Plan allocation to the University.

(6) Studies and Researches in Community Development,  
Cooperation and Panchayati Raj - Research Fellowships

On the recommendation of the Sub-Committee of the Commission's Advisory Committee on Studies relating to Community Development, Cooperation and Panchayati Raj, a sum of Rs. 1 lakh of the general fund of Rs. 10 lakhs for studies in Community Development, etc., was earmarked for institution of 10 to 15 fellowships in these areas. This was reported to the Commission at its meeting held on October 5, 1966.

The sub-committee at its meeting held on 9th May, 1967 agreed that the principles and procedures followed by the Commission for the award of fellowships in Science, Humanities and Social Sciences may be followed for the award of fellowships in Community Development also. The committee considered 15 applications received from students of 9 universities and recommended the following three candidates for the award of fellowship.

S.No.	Name of the candidate and Centre of Research	Topic of Research	Name of the Supervisor	Qualifications	Remarks
1.	Shri M. Siddappa, Department of Economics, Bombay University	Problem of Rural Banks in India - Provision of Agricultural Credit	Prof. M.L. Dantwala, Professor of Agricultural Economics	B.Sc. 2nd class M.A. 2nd class	
2.	Shri P.N. Moosad, Deptt. of Cooperation and Applied Economics, Andhra University	Community Development Programme in Kerala - A study of its impact on the economy	Prof. G. Parathesari, Head of the Deptt. of Applied Economics, Andhra University	B.A.(Hons) 2nd class M.A. by influx of time	The conditions of the award may be fully explained to the candidate and his acceptance obtained.
3.	Shri Tej Bahadur, Deptt. of Economics, Allahabad University.	Community Development programme in Allahabad and Pratapgarh Distt. of U.P.	Dr. P.D. Hajela Reader in Economics, Allahabad University	B.A. 1st class M.A. 2nd class	

(7) Development of Teacher Education at Secondary level during the Fourth Five Year Plan under the U.G.C. Programme.

The Commission at its meeting held on 5th October, 1966 noted that the Ministry of Education had agreed that the work relating to Teachers' Education Programme was to be transferred to the U.G.C. along with the additional funds provided for the scheme in the Fourth Five-Year Plan estimated to be about Rs. 3 crores (Resolution No. 42). The Commission desired that a Committee be appointed to work out the details of the scheme. Accordingly, a Standing Committee on Teacher

Education was appointed. The report of this Committee is attached (Annexure I).

The Ministry of Education was requested to intimate the exact amount likely to be provided during the Fourth Plan for the scheme and also the amount that would be available during the current year i.e. 1967-68 and the following year.

The Ministry of Education has now stated that the proposed outlay of Rs. 40 lakhs for the scheme of Improvement of Teacher Training at Secondary stage was not accepted by the Ministry of Finance and that there is no budget provision for this scheme for 1967-68.

In the absence of provision of funds in 1967-68, the various programmes suggested by the Standing Committee cannot be implemented.

The matter is reported to the Commission.

- (8) Continuation of the scheme of publication of Critical Edition of Valmiki Ramayana during the Fourth Plan period - M.S. University of Baroda
- 

During the Third Plan period, the Commission sanctioned a grant of Rs. 4,54,700, being 2/3rd of the estimated expenditure of Rs. 6,82,150/- towards the publication of critical edition of Valmiki Ramayana by the M.S. University of Baroda. The assistance of the Commission was available upto 31.3.1967.

Pending consideration of the report of the Visiting Committee, which assessed the Fourth Plan requirements of the University, the period of assistance has been extended upto 31st December, 1967 on the existing basis and on condition that expenditure to be incurred for the period from 1.4.1967 to 31.12.1967 on the implementation of the scheme would be a charge on the Fourth Plan allocation of the University.

- (9) Revision of the pay of part-time lecturers at the Indian School of International Studies from Rs. 200 to Rs. 300 per month
- 

The pay of part-time lecturers at the Indian School of International Studies approved under the Third Plan Development Schemes was Rs. 200/- per month. As the Commission has agreed to a salary of Rs. 300/- per month for part-time lecturers in Delhi University and its constituent colleges, the proposal of the School to raise the pay of part-time lecturers from Rs. 200 to Rs. 300 per month has been accepted.

- (10) Indian School of International Studies - Extension of tenure of visiting Professor in European Affairs (Dr. Girija K. Mookherjee) upto 29.2.1968.
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During the third plan period, the Commission sanctioned, on the recommendation of the Visiting Committee, the post of a Visiting Professor in European Affairs at the Indian School of International Studies, New Delhi. The School appointed Dr. Girija K. Mookherjee

against this post for a period of 3 years with effect from 18th July, 1964 in accordance with the procedure prescribed for appointment of Indian Visiting Professors.

The School desired to retain the services of Dr. Mookherjee for a further period of 8 months beyond his three-year tenure i.e. upto 29.2.1968.

As the Commission's assistance in respect of the Third Plan development posts of the School is available upto 31.3.1968, the proposal of the School to extend the term of Dr. Mookherjee upto 29th February, 1968 has been accepted.

(11) Development of Community Development, Cooperation and Panchayati Raj - Research Projects

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On the recommendation of the Commission's Advisory Committee on studies relating to Community Development, Co-operation and Panchayati Raj, a sum of Rs. 6.5 lakhs was earmarked for research programme in the field of Community Development etc., out of the general fund of Rs. 10 lakhs available for the purpose. Of this amount a sum of Rs. 2,21,480/- has already been approved for the continuation of survey research projects at Panjab, Lucknow and Rajasthan Universities and towards a research project in Community Development at Karnatak University. This was reported to the Commission at its meeting held in February, 1967. The balance available under this head was Rs. 4,28,520/-.

The sub-committee of the Advisory Committee, at its meeting held on 3rd March, 1967, considered the research projects of 31 universities and recommended that financial assistance be given for the following projects:

	<u>Estimated Cost</u>
1. <u>Sardar Patel University</u>	
Integration of district dairy cooperatives in Gujarat.	Rs. 30,000/-
2. <u>Panjab University</u>	
Structural factors in rural development	Rs. 20,000/-
3. <u>Jodhpur University</u>	
An enquiry into the suitability of the "two tier cooperative structure" to revise the existing three tier structure	Rs. 8,000/-
4. <u>Andhra University</u>	
An enquiry into the programme of the block in relation to regional variations	Rs. 20,000/-
5. <u>Gujarat University</u>	
A study of the official and non-official attitude towards Panchayati Raj (with special reference to Gujarat State)	Rs. 4,100/-

p.t.o.

6. Mysore University

Impact of CD programme on two Mysore Villages Es. 20,000/-

7. Jammu & Kashmir University

Community development and agricultural growth in Jammu & Kashmir State Es. 20,000/-

Total: Es. 1,22,100/-

(12) Electric Installations for the Stack Rooms of the University Library - Banaras Hindu University  
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In February 1961, the University Grants Commission approved the plans and estimates for the expansion of the Banaras Hindu University Library building at an estimated cost of Es. 2,03,000/-. In addition to this, a provision for 64 research rooms in the library building was made at a cost of Es. 54,050/-. Later, the estimates for the expansion of library building including research rooms were revised to Es. 2,76,520/- due to increase in the rates of raw materials, higher tendered cost etc.

In January, 1967 the University sent detailed estimates for electrical installations in the Library stack rooms for Es. 40,500/- against Es. 14,858/- provided for internal electrification, including fans and external services, in the original estimates.

The revised cost of Es. 40,500/- has been approved on the basis of the detailed scrutiny by the C.P.W.D.

(13) Proceedings of the meeting of the Committee appointed by the Commission to discuss promotion of channels of academic communication between hill areas and other parts of the country.  
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The University Grants Commission appointed a Committee to discuss measures for promoting channels of academic communication between the hill areas of North Eastern India and other parts of the country. The Committee met on 18th May, 1967. The proceedings of the meeting of the Committee are attached (Annexure I).

(14) Aligarh Muslim University - Additional expenditure on extension to Botany Department Building  
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During the Third Five Year Plan, an expenditure of Es. 1,25,000/- was approved for the construction of an extension (over a plinth area of 5000 sq.ft.) to the Botany Department building, Aligarh Muslim University. In March, 1964 plans and estimate for the extension building over an area of 5567 sq.ft. at an estimated cost of Es. 1,23,000/- as certified by the C.P.W.D. were accepted. Later the University revised the plans making some structural changes without affecting the area. This was agreed to. In October, 1966 the University submitted details of expenditure actually incurred on the said building amounting to Es. 1,43,975/- and requested for the sanction of the extra expenditure of Es. 18,975/-.

The proposal was accepted and sanction conveyed to Aligarh Muslim University vide letter No. F. 21-5/63(S) dated 25.5.1967.

- (15) Utkal University - Grant in aid for the purchase of equipment and library books and journals for starting Post-graduate Departments of Physics and Chemistry from the session 1967-68

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The Commission, at its meeting held on 1st February 1967 (Res. No. 20), approved the proposal of the Utkal University for starting the Post-graduate Courses in Physics and Chemistry from the session 1967-68 and agreed to the creation of posts of one professor and two lecturers for each of these departments. The arrangements for recruiting the necessary staff having been made, the Utkal University requested for sanction of non-recurring grants of Rs. 2,00,000/- (Rs. 1,00,000 for each) and Rs. 50,000/- (i.e. Rs. 25,000/- for each) for purchase of essential equipments and library books and journals respectively for the Departments of Physics and Chemistry to enable the University to start these courses from July, 1967.

The proposal of the Utkal University was accepted and sanction was accorded to grants of Rs. 2,00,000/- and Rs. 50,000/- for the purchase of equipment, Books and Journals respectively for the Departments of Physics and Chemistry, subject to the condition that these grants would be adjusted against the Fourth Plan allocation of the University.

- (16) Burdwan University - Sanction of additional posts in the Department of Physics and Mathematics

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The Burdwan University submitted a proposal for the immediate creation of posts of 1 Reader and 1 Lecturer each for the departments of Physics and Mathematics to meet their urgent needs.

The proposal of the University for the creation of 1 Reader and 1 Lecturer each for the Departments of Physics and Mathematics was accepted subject to the condition that the additional posts will be adjusted against the Fourth Plan development needs of the University as assessed by the Visiting Committee and the expenditure will be met out of the Fourth Plan allocation.

- (17) Marathwada University - construction of building for the Department of Mathematics - Third Plan Scheme - Approval of plans and estimates

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The Commission on the recommendations of Third Plan Visiting Committee approved of the construction of a building with a built up area of 7000 sq.ft. for the Department of Mathematics, Marathwada University at a total estimated cost of Rs. 1,90,000/- on 100% basis, inclusive of services, lab. fittings and furniture etc.

In May 1965, the university submitted plans and estimates amounting to Rs. 1,35,691/- for the construction of civil works part only for the Mathematics building duly supported by the State P.W.D. Rate certificate. The acceptance of the Commission to the plans and estimates was conveyed to the university in July, 1965. In April 1966, the university furnished Tender information together with a Tender Premium Certificate

from the State P.W.D. according to which the estimated cost of the construction of civil works part of the Mathematics Building had raised to Rs.1,50,221.90 P. The University submitted estimates for services, lab. fittings and furniture at Rs.97,355.10 for the Mathematics Department Building. The estimates for services and furniture only have been accepted at a total cost of Rs.67,223.10 P being 44½% of civil works cost (i.e. Rs.1,50,221.90) generally accepted by the Commission, thus raising the total cost of the project from Rs.1,90,000/- to Rs.,17,445/-. Accordingly, approval to an additional expenditure of Rs.27,445/- on 100% basis has been conveyed to the Marathwada University for the construction of the Mathematics building.

Since the Department was an existing one, the Commission in pursuance of the pattern of assistance adopted during the Third Five Year Plan for research/development of post-graduate facilities agreed to give the building grant to Marathwada University for Mathematics Deptt. on 100% basis.

- (18) Marathwada University - Construction of building  
for the Department of Botany - Third Five Year Plan Scheme.

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The Commission on the recommendations of the Third Plan Visiting Committee approved of the construction of a building with a built up area of 14,000 sq.ft. for the Department of Botany, Marathwada University at a total estimated cost of Rs.3,70,000/- (UGC share at 50% being Rs.1,85,000/-) inclusive of services, lab. fittings and furniture etc. as per pattern of assistance adopted by the UGC for the establishment of new post-graduate/under graduate departments during III plan.

In July, 1965 the University submitted State P.W.D. Rate conformity Certificate in respect of the estimates amounting to Rs.3,09,579.50 for the construction of the civil works part only of the Botany department building. However, the cost of the lowest tender accepted by the university for the civil works part only amounted to Rs.3,09,209/-. The university in Feb.1967 submitted estimates for services, lab. fittings and furniture amounting to Rs.2,02,791/-. The estimates for services, lab. fittings and furniture have been accepted at a total cost of Rs.1,58,745/- being 49½% of civil works cost (i.e. of Rs.3,09,209/-) generally accepted by the Commission, thus raising the total cost of the project from Rs.3,70,000/- to Rs.4,67,954. Accordingly, approval to an additional expenditure of Rs.97,954/-(UGC share at 50% being Rs.48,977/-) has been conveyed to the Marathwada University for the construction of the Botany lab. building.

- (19) Saugar University - Additional grant for furniture and  
lab. fittings for the extension of the Chemistry Deptt.

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During the Third F.Y.P. the Commission accepted the proposal of the Saugar University for the construction of an extension to the department of Chemistry at an estimated cost of Rs.1,50,530/-(Commission's 2/3 share being Rs.1,00,353/- as per pattern of assistance adopted by UGC for development of post-graduate/under-graduate facilities during III Plan.

In April,1967, on a request from the Saugar University, an additional Non-recurring grant of Rs.13,333/-(being 2/3 share of the estimated expenditure of Rs.20,000/- was sanctioned for providing furniture and special lab. fittings for the aforesaid building, subject to the condition that the amount would be adjusted against the IVth Plan allocation of the University.

- (20) Saugar University - Furniture & fittings for the  
extension of the Botany department - additional grant.

...

During the III F.Y.P. the Commission accepted the proposal of Saugar University for the construction of an extension to the Department of Botany at an estimated cost of Rs.1,00,502/-(Commission's 2/3 share being Rs.67,001/- as per pattern of assistance adopted by the UGC for development of post-graduate/under-graduate facilities during III plan).

from the State P.W.D. according to which the estimated cost of the construction of civil works part of the Mathematics Building had raised to Rs. 1,50,221.90 p. The university submitted estimates for services, lab. fittings and furniture at Rs. 97,355.10 p. for the Mathematics Department building. The estimates for services and furniture only have been accepted at a total cost of Rs. 67,223.10 p. being 44½% of civil works cost (i.e. Rs. 1,50,221.90) generally accepted by the Commission, thus raising the total cost of the project from Rs. 1,90,000/- to Rs. 2,17,445/-. Accordingly, approval to an additional expenditure of Rs. 27,445/- on 100% basis has been conveyed to the Marathwada University for the construction of Mathematics building.

(18) Marathwada University - Construction of building for the Department of Botany - Third Plan Scheme

The Commission on the recommendations of <sup>the</sup> Third Plan Visiting Committee approved of the construction of a building with a built-up area of 14,000 sq.ft. for the Department of Botany, Marathwada University at a total estimated cost of Rs. 3,70,000/- (UGC share at 50% being Rs. 1,85,000/-) inclusive of services, lab. fittings and furniture etc.

In July, 1965 the university submitted State P.W.D. Rate conformity Certificate in respect of the estimates amounting to Rs. 3,09,579.50 p. for the construction of civil works part only of the Botany Department building. However, the cost of the lowest tender accepted by the university for the civil works part only amounted to Rs. 3,09,209/-. The university in February 1967 submitted estimates for services, lab. fittings and furniture amounting to Rs. 2,02,791/-. The estimates for services, lab. fittings and furniture have been accepted at a total cost of Rs. 1,58,745/- being 49½% of civil works cost (i.e. of Rs. 3,09,209/-) generally accepted by the Commission, thus raising the total cost of the project from Rs. 3,70,000/- to Rs. 4,67,954/-. Accordingly, approval to an additional expenditure of Rs. 97,954/- (UGC share at 50% being Rs. 48,977/-) has been conveyed to the Marathwada University for the construction of the Botany Lab. building.

(19) Saugar University - Additional grant for furniture and lab. fittings for the undergraduate block of Chemistry Department.

During the Third Five Year Plan the Commission accepted the proposal of the Saugar University for the construction of an undergraduate block for the Department of Chemistry at an estimated cost of Rs. 1,50,530/- (Commission's 2/3rd share being Rs. 1,00,353/-).

In April, 1967, on a request from the Saugar University, an additional Non-recurring grant of Rs. 13,333/- (being 2/3rd share of the estimated expenditure of Rs. 20,000/-) was sanctioned for providing furniture and special lab. fittings for the aforesaid building, subject to the condition that the amount would be adjusted against the Fourth Plan allocation of the University.

(20) Saugar University - Furniture & fittings for the undergraduate block of the Botany Department - additional grant.

During the Third Five Year Plan the Commission accepted the proposal of Saugar University for the construction of an undergraduate block for the Department of Botany at an estimated cost of Rs. 1,00,502/- (Commission's 2/3rd share being Rs. 67,001/-).



In May 1967, on a request from the Saugar University, an additional Non-recurring grant of Rs. 10,333/- (being 2/3rd of the estimated expenditure of Rs. 15,500/-) was sanctioned for providing furniture and special laboratory fittings for the Undergraduate block of the Botany Department, subject to the condition that the amount would be adjusted against Fourth Plan allocation of the University.

- (21) Delhi University - Sanction for the purchase of furniture, furnishings and fittings at the revised cost of Rs. 56,755.76 for the Extension to Zoology Block

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In August, 1966 the Commission had approved an expenditure of Rs. 53,150/- for purchase of furniture, furnishings and fittings to the Zoology Block which is nearing completion at the University of Delhi. Subsequently the University informed that according to the tenders invited, the total cost of furniture required for the Zoology Block comes to Rs. 56,755.76 and requested Commission's approval to the increased cost. The additional expenditure involved i.e. Rs. 3,605.76 only, has been approved. The expenditure in this respect would be the first charge on Fourth Plan allocation of grants to the University of Delhi.

- (22) Delhi University - Sanction for the purchase of furniture, furnishings and fittings at an estimated cost of Rs. 47,730/- for the extension to Botany Block

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The University of Delhi submitted for approval a proposal for the purchase of furniture, furnishings and fittings at an estimated cost of Rs. 47,730/- required for extension to the Botany Block sanctioned by the Commission during the Third Plan and construction of which is nearing completion. The estimate which was within the provision of 20% of the building cost generally permissible, has been accepted. The expenditure in this respect would be the first charge on the Fourth Plan allocation of grants to the University of Delhi.

- (23) Delhi University - Acceptance to the construction of extension to the Botany Block at a revised estimated cost of Rs. 3,78,500/- instead of Rs. 3,08,300 earlier approved.

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During the Third Plan period the Commission sanctioned a non-recurring grant of Rs. 3,50,000/- for building in the Department of Botany, Delhi University and against this approved expenditure plans and estimates for the construction of extension to Botany Block, at an estimated cost of Rs. 3,08,000/-, were accepted in February, 1964. The University has now informed that due to rise in the cost of construction the estimated expenditure on the project would be Rs. 3,78,500/- as under:-

- |   |     |                 |   |
|---|-----|-----------------|---|
| 1. Building Portion   | Rs. | 2,95,000/-      |   |
| 2. <u>Services</u>  |     |                 |   |
| (a) Internal and external water supply, sanitary and drainage installations | Rs. | 27,000/-        |   |
| (b) Internal electric installations including cost of fans                  | Rs. | 30,399 (wiring) | ! |
|   | Rs. | 9,655 (Fans)    | ! |



2. Senior Technical Assistant - 2  
(Rs. 210-425)
3. Gestetner Operator - 1  
(Rs. 110-180)

Besides the above the University also estimated an expenditure of Rs. 2,500/- for Case Collection and Stationery.

For the proposed staff etc., a ceiling recurring expenditure of Rs. 20,000/- p.a. has therefore been approved for implementation after taking into account the income from fees and other sources.

(26) Guide-lines for operation of Summer Institutes  
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The University Grants Commission at its meeting held on 5th October 1966 (Item No. 52(c)) noted the guidelines prepared for operation of Summer Institutes and desired that the guidelines be further scrutinised. The guidelines have been revised in accordance with the resolution of the Commission and the comments offered by the directors of the Summer Institutes 1967 at the Orientation Seminar held on 3rd and 4th April 1967.

The maximum expenditure approved under various budget heads in the guidelines has been fixed as detailed below:-

	<u>Rupees - Ceiling</u>
(i) Secretarial and Class IV staff	1,500.00
(ii) Technical Staff	1,500.00
(iii) Field trip - Biology Institutes	1,500.00
Chemistry or Physics Institute	500.00
Mathematics Institute	nil
(iv) Laboratory & workshop materials, office - supplies, chemicals, postage, stationery etc.	4,000.00
(v) Special needs of books & equipment	2,500.00
(vi) Guest lecturers for college institutes only (for TA & DA & no honorarium)	1,500.00
(vii) Glass blowers & mechanics for college Physics Institutes only	500.00
(viii) Contingencies including hire charges for fans and cooling arrangements.	1,500.00

Requests for expenditure for follow-up activities and special equipment for the Institutes are to be considered individually, based on the merit of each case. Other provisions in respect of academic staff and support of participants remain unchanged.

p.t.o.

(27) Kirori Mal College, Delhi - Proposal for improvement of Play Ground

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The Commission at its meeting held on the 4th August 1965 (vide Item No. 2(a)45) approved the proposal of the Kirori Mal College, Delhi for draining off rain water in their playing fields to the storm-water drain of the Municipal Corporation, across the road, at an estimated cost of Rs. 60,000/- on a 50:50 basis. Subsequently the College informed the Commission that the Project in question could not be undertaken on account of certain technical difficulties. The College then sent a revised proposal for improvement of the Play-ground. In consultation with the C.P.W.D. the plans and estimates of the revised proposal have been accepted at Rs. 84,531/- on the usual sharing basis. A non-recurring grant not exceeding Rs. 42,265/- or 50% of the actual expenditure, whichever is less, will be paid to the College in respect of the revised project.

(28) Financial assistance to teachers in Universities and Colleges for research or learned work in Humanities, Social Sciences and Science subjects - first award during 1967-68.

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On the recommendation of the Selection Committee, (Appendix I) 271 teachers - 136 in Sciences and 135 in Humanities and Social Sciences have been selected for first award during 1967-68 under the scheme of 'financial assistance to teachers for research or learned work' and a grant of Rs. 2.428 lakhs has been sanctioned as per details given in Appendix II.

(29) Utilisation of services of retired teachers - Extension of award.

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On the recommendation of the University/College concerned the tenure of 24 teachers who are working under the scheme of utilisation of services of retired teachers has been extended up to the period indicated against their names in Appendix I.

(30) Senior research fellowships in Humanities - Dr. H.S. Harish - Extension in the tenure of award beyond three years.

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On the recommendations of the Supervisor and Head of the Department and the University, the tenure of Dr. H.S. Harish, a Senior Research Fellow in Hindi at Lucknow University has been extended beyond three years by six months w.e.f. 20.12.1966 to enable him to complete his research work.

(31) Junior Research Fellowships - Shri M.S. Prasad - Permission to receive leave salary during the tenure of fellowship award.

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On the recommendations of the Supervisor and the Universities concerned, Shri Mani Shankar Prasad, a Junior Research Fellow in Psychology at Patna University has been permitted to receive the leave salary admissible to him under the Bihar University rules during the tenure of his fellowship award. He has been granted study leave on half average pay for two years by the Bihar University to enable him to avail of the UGC fellowship.

(32) Research Scholarships in Science and Humanities including Social Sciences - Allocation to the Universities during 1967-68

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The University Grants Commission in its meeting on 5th May 1966 had decided to increase the number of Research Scholarships of the value of Rs. 250/- p.m. from 265 to 350. In pursuance of this, 320 scholarships have been allocated to 60 Universities during 1967-68 as per details given in Appendix I. 30 Scholarships have been kept in reserve for further allocation to the needy Universities.

(33) Acceptance of different items under the Cultural Exchange Programmes received from the Ministry of Education for implementation by the University Grants Commission during 1967-69.

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The following proposals which have been forwarded by the Ministry of Education for 1967-69 under the different items of the Cultural Exchange Programmes have been accepted for implementation by the Commission.

1. INDO-G.D.R. CULTURAL EXCHANGE PROGRAMME FOR 1967-69

- ITEM NO. 1 : G.D.R. will send and the Indian side will receive 8 scientists for a period of 3-4 weeks each for a lecture & study tour (against 8 places 2-3 places have been given to U.G.C.).
- ITEM NO. 2 : The Indian side will send and the G.D.R. side will receive 8 scientists for a study tour for 3-4 weeks (against 8 places 2-3 places have been given to U.G.C.).
- ITEM NO. 3 : G.D.R. side will send and Indian side will receive 5 young G.D.R. scientists for a period of 6-8 months for advanced studies (against 5 places 2 places have been given to U.G.C.).
- ITEM NO. 4 : Indian side will send and G.D.R. side will receive 5 young Indian scientists for advanced studies for a period of 6-8 months (against 5 places 2 places have been given to U.G.C.).
- ITEM NO. 28 Both sides will exchange publications on problems of education.

(34) INDO-U.A.R. CULTURAL EXCHANGE PROGRAMME FOR 1967-69 (TENTATIVE)

1. The Indian side will send and the UAR side will receive University professors to work as visiting professors (One place for a period of 3-6 months has been given to U.G.C.).
2. U.A.R. side will send and the Indian side will receive University Professors to work as visiting professors (One place for a period of 3-6 months has been given to U.G.C.).

3. U.A.R. side will send and the Indian side will receive a University Professor to deliver lectures in Arabic Studies.

The Professor to be sent under Item 1 may be a University teacher interested in Modern Arabic/Archaeology/Egyptology. Professor under Item 2 will be an expert in the similar field and the Professor under Item 3 will help in the implementation of the Area Studies Programme.

In addition to the above, the U.A.R. side is to provide 10 scholarships for Indian students under Item 58 assigned to the Ministry of Education, out of which the Commission has proposed for the allotment of 2 places in order that junior teachers in Arabic may go for further specialisation to the UAR for a period of 1-2 years.

(35) INDO-HUNGARIAN CULTURAL EXCHANGE PROGRAMME FOR 1967-69

ITEM NO. 10 :

Indian side will send and the Hungarian side will receive 5 scholars each year for advanced training in Science and Technology. The training will be initially for 1 year extendable by another year (3 places have been given to U.G.C.).

ITEM NO. 13 :

Indian side will send and the Hungarian side will receive 3-4 professors/educationists each year to give lectures and develop scientific contacts. The total period will be of 16 months in all, depending on the period of visit of each professor. The Hungarian side will give an idea to the Indian side regarding the subjects in which they would like to have Indian professors/educationists.

ITEM NO. 14 :

Hungarian side will send and the Indian side will receive 3-4 professors/educationists each year to give lectures and develop scientific contacts, for a total period of 16 months. The Indian side will give an idea to the Hungarian side regarding the subjects in which they would like to have Hungarian professors/educationists.

ITEM NO. 22 :

Both parties shall promote the participation of the other Party's delegates at International scientific congresses and conferences held in their respective countries. During the validity of the present Exchange Programme both Parties shall receive 5 delegates for such meetings and cover their local expenses (the UGC has been allotted 2 places for 20 days in all, on reciprocal basis).

The Universities have been requested to make suitable nominations for participation of university and college teachers in the different Cultural Exchange programmes during the current year.

p.t.o.

(36) Assistance to Colleges

The proposals of the following colleges for development grants have been approved in accordance with the normal rules.

S.No.	Name of the College	Purpose	Approved Cost	U.G.C. share
1	2	3	4	5
1.	M.K.P. College Dehra Dun (Meerut University)	Purchase of Science equipment, books & furniture	1,00,000	50,000
2.	Sh. Ramakrishna Sarda Vid.ya Mahapitha Hooghly (Calcutta University)	Purchase of Lab. Equipment and furniture	60,000	43,332
3.	Nav Gujarat Commerce and Law College, Ahmedabad (Gujarat University)	Purchase of books Purchase of furniture	40,000 10,000	30,000 6,600
4.	Town Degree College, Ballia (Gorakhpur University)	Hostel Building	1,73,400	86,700
5.	Shri Gandhi Arts and Science College, Balaji, (Jiwaji University)	Purchase of Science Equipment.	50,000	37,500
6.	M.M. College of Arts and N.M. Instt. of Science, Andheri, Bombay	Construction of Lib. building.	2,28,765	78,333 (Balance available in the ceiling)
7.	Bhadrak College, Bhadrak (Utkal Univ.)	Purchase of books and equipment.	60,000	45,000
8.	Vihari Lal College for Home and Social Sciences, Calcutta	Construction of Women's Hostel	1,14,350	85,765
9.	J.M.J. College for Women, Tenali (Andhra University)	Construction of Women's Hostel	2,40,750	1,50,000 (Maximum)
10.	Vanajiya Mahavidyalaya Yeotmal (Nagpur Univ.)	Construction of Lib. Building.	48,000	32,000
11.	Dum Dum Motijheel College, Calcutta	Construction of Lib. Building.	41,460	27,640
12.	Presidency College, Madras.	Purchase of Scientific Equipment	40,000	30,000

p.t.o.

1	2	3	4	5
13.	Hindu College, Moradabad (Agra University)	Construction of Staff Quarter (One)	10,000	5,000
14.	S.G.N. Khalda College, Sriganganagar (Rajasthan)	Purchase of Lib. Books	10,000	7,500
15.	National Degree College, Berhal Ganj (Gorakhpur University)	Purchase of Scientific Equipment and Construction of Lab. building.	1,76,000	87,904
16.	Miranalini Dutta College, Calcutta	Purchase of books	16,000	12,000
17.	Ethiraj Women's College, Madras	Furniture for Non- resident students centre	5,814	2,900
18.	Bhuvanendra College, Karkla (S. Canara)	Purchase of books and equipment	40,000	30,000
19.	Lucknow Christian College, Lucknow	Purchase of Scientific Equipment, Furniture and Books	96,000	48,000
20.	K.R. Girl's College, Mathura (Agra Univ.)	Purchase of Books Purchase of Equipment	5,000 5,000	3,750 2,550
21.	Mahatma Gandhi Memorial College, Udipi (Mysore University)	Construction of two Staff Quarters.	39,200	19,600
22.	Panskura Banamali College, Panskura, Midnapure	Construction of Lib. building.	42,853	28,568
23.	K.G.K. College, Moradabad (Agra University)	Purchase of books and Scientific Equipment	40,000	30,000
24.	New Law College, Ahmedabad (Gujarat University)	Purchase of Lib. books and furniture	21,500	16,000
25.	Hazari Mal Somani College, Bombay.	Purchase of books and equipment	55,000	41,250



37. Acceptance of the visit of Prof. R.S. Gorchakov, Soviet Expert, under Item 21 of the Indo-USSR Cultural Exchange Program for 1965-66.

....

Under the terms and conditions of the Indo-USSR Cultural Exchange Program for 1965-66 (Item 21) the salary of Prof. R.S. Gorchakov, Assistant Professor of Economics in the Leningrad State University, who was deputed to Department of Economics, Delhi University from 1.9.1966 to 5.4.1967 was fixed at Rs.1,500/- per month plus an allowance of Rs.150/- per month to meet his transport charges.

As Prof. Gorchakov was accompanied by Mrs. Gorchakov, whose visit was not covered under the agreement and as the Commission was originally to meet only the lodging expenses of Prof. Gorchakov, in order to avoid any hardship to the visitors, it was mutually decided between the Commission and Prof. Gorchakov that Prof. Gorchakov would draw only half of his salary (i.e. Rs.750/-per month), and that the expenses on the boarding of Prof. Gorchakov and lodging and boarding of Mrs. Gorchakov, would be met by the Commission, as a special case.

The payments to Prof. Gorchakov towards his salary and allowances have accordingly been made through the Delhi University. The amount of expenditure incurred is Rs.3,750/- towards salary and Rs.12,046-45 towards maintenance.

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38. Assistance towards the establishment of Hobby Workshops in the universities.

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The Commission provides financial assistance to universities for the establishment of Hobby Workshops to the extent indicated below:-

- |                             |   |                                    |
|-----------------------------|---|------------------------------------|
| (a) Building                | - | Rs. 25,000/-                       |
| (b) Equipment               | - | Rs. 25,000/-                       |
| (c) Staff and contingencies | - | Rs. 5,000/- per annum for 5 years. |

The Hobby Workshop Scheme is being implemented in 17 universities. The following decisions have been taken to finalize the Hobby Workshop Scheme in these universities during the Fourth Plan period:

(i) The universities are being requested to complete the buildings as well as purchase of equipment as soon as possible and, in any case, before December 1969.

(ii) The universities are being requested to appoint necessary staff immediately for their Hobby Workshops if they have not already done so. They have been informed that Commission's assistance towards recurring expenditure will be available upto the end of Fourth Plan in the case of Annamalai, Banaras, Gujarat, Jadavpur, Kashi Vidyapith and Visva-Bharati universities; upto 1969-70 in the case of Karnatak and Rajasthan Universities; and upto 1967-68 in the case of Madras University. A statement showing the progress of the scheme is attached (Annexure I).

Fresh schemes of Hobby Workshops are not being approved during the Fourth Plan.

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39. Leave Travel Concession admissible to the employees •  
Reimbursement by the University Grants Commission •  
Liberalisation of.

.....

The Govt. of India, vide Ministry of Home Affairs Office Memorandum No.F.43/6/66-Ests(A) dated the 10th March, 1967, have further liberalized the leave Travel Concession admissible to the Central Govt. Servants. According to these orders full reimbursement instead of 90% as at present will be allowed to the Govt. Servants for the outward and return journeys undertaken by them to the entitled class of the railways beyond the first 400 Kilometers (160 Kilometers in the case of class IV staff).

As the University Grants Commission has been following Govt. of India's orders/instructions, issued in this regard from time to time, the revised orders have also been made applicable to its employees.

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40. Transfer of G.P. Fund Account of the University Grants Commission Contributory Provident Fund.

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(a) The Chairman has sanctioned the transfer of G.P. Fund Account of Shri I.C.Menon, Education Officer, from his previous offices (N.C.E.R.T. and Ministry of Defence) to his Contributory Provident Fund in the U.G.C. under Rule 4(3) of the U.G.C. C.P.Fund Rules, 1956. Accordingly, an amount of Rs.1582/- and Rs.431/- was transferred and credited to his C.P. Fund Account in the U.G.C. in March, 1966 and March, 1967 respectively.

(p.t.o)

(b) The Chairman has sanctioned the transfer of G.P. Fund Account of Shri L.R. Mal, Assistant Education Officer from his previous office (Ministry of Education) to his Contributory Provident Fund in the U.G.C. under Rule 4(3) of the U.G.C. C.P. Fund Rules, 1956. Accordingly, an amount of Rs.28/- and Rs.3805/- was transferred and credited to his C.P. Fund Account in the U.G.C. in April, 1966 and February, 1967 respectively.

41. Record of discussion with Shri L.R. Nair, Director, Institute of Mass Communication and Shri Shankar Narain, Audio-visual Department NCERT.

...

The Commission, at its meeting held on May 3, 1967, desired that the question whether the facilities now provided by the University Film Council could be provided by the department of Audio-Visual Education of the NCERT or the Institute of Mass Communication be further examined. In pursuance of this decision, the Chairman, Secretary, Joint Secretary and D.O.(H) had a discussion with Shri L.R. Nair, Director, Institute of Mass Communication, New Delhi and Shri Shankar Narain, officiating Head of the department of Audio-Visual Education of the NCERT in the U.G.C. office on June 17, 1967 (a note on the discussion is attached - Annexure I).

Mr. Nair said that the Institute of Mass Communication would be happy to take over this programme if necessary funds were provided for the purpose by the Government (Ministry of Information and Broadcasting). He also agreed to prepare a brief note on the organizational set up and financial resources which would be required by the Institute of Mass Communication in the event of its providing facilities now provided by the University Film Council. It was agreed that a study may be conducted at an early date jointly by the University Grants Commission, the Institute of Mass Communication and Department of Audio-Visual Education of NCERT in the universities of Delhi, Panjab and Aligarh to assess student's reactions regarding the University Film Clubs.

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Proceedings of the first meeting of the Standing  
Committee on Teacher Education

The first meeting of the Standing Committee on Teacher Education was held in the Conference Room of the University Grants Commission on the 25th of October, 1966.

The following members and special invitees attended the meeting:-

Members of the Standing Committee

1. Dr. K.G. Saiyidain,  
Director,  
Asian Institute of Educational Planning,  
New Delhi.
2. Dr. A.C. Joshi,  
Adviser (Education),  
Planning Commission,  
New Delhi.
3. Shri K.L. Joshi,  
Secretary,  
U.G.C.
4. Shri J.P. Naik,  
Adviser,  
Ministry of Education,  
New Delhi.
5. Dr. P.K. Roy,  
Principal,  
Central Institute of Education,  
Delhi.
6. Shri J.C. Dasgupta,  
Principal,  
David Hare Training College,  
Calcutta.
7. Dr. N.P. Pillai,  
Head of the Department of Education,  
Kerala University,  
Trivandrum.
8. Dr. S.N. Mukerji,  
President,  
National Association of Teacher Education,  
B-2/6-A, Model Town,  
Delhi-9.
9. Dr. J.N. Kaul,  
Education Officer,  
U.G.C. (Secretary)

Special invitees

-2-

1. Prof. M.V. Mathur,  
Vice-Chancellor,  
Rajasthan University,  
Jaipur.
2. Dr. R.K. Singh,  
Vice-Chancellor,  
Meerut University,  
Meerut.
3. Shri I.J. Patel,  
Vice-Chancellor,  
Sardar Patel University,  
Vallabh Vidyanagar,  
Anand.
4. Shri S. Natarajan,  
South Indian Teachers' Union,  
Robertsenpet,  
Madras.
5. Dr. A. Mujeeb,  
Head of the Department of Teacher Education,  
Aligarh Muslim University,  
Aligarh.
6. Shri V.S. Mathur,  
Principal,  
Government Postgraduate Basic Training College,  
Chandigarh.
7. Dr. Salamatullah,  
Principal,  
Teachers' College,  
Jamia Millia, Near Okhla,  
New Delhi.
8. Dr. (Mrs.) Chitra Naik,  
Director, State Institute of Education,  
Poona.
9. Dr. S.B. Adaval,  
Head of the Department of Teacher Education,  
NCERT, 33, Chhatra Marg, Delhi-7.
10. Dr. S.N. Saraf,  
Director,  
Education Division,  
Planning Commission,  
NEW DELHI.
11. Dr. M.D. Paul,  
Director of Secondary Education,  
Madras State,  
Madras-6.

p.t.o.

12. Shri Mohd. Mumtaz Ali,  
Headmaster,  
New Middle School,  
Jamshedpur (Bihar).

Secretariat

1. Mrs. Doraiswami
2. Mr. Balkrishnan

The Chairman, Dr. Kothari, was also present for a while during the forenoon session.

The following could not attend the meeting:-

1. Kumari S. Panandikar.
2. Shri L.R. Desai,  
Vice-Chancellor,  
Gujarat University,  
Ahmedabad.
3. Prof. D.C. Sharma,  
President,  
All India Federation of Teachers  
Associations.

Shri K.L. Joshi welcomed the participants on behalf of the University Grants Commission and, proposed Prof. M.V. Mathur to take the Chair.

1. There was a brief general discussion on the problems of teacher education. Dr. A.C. Joshi said that the Planning Commission had given considerable attention to the programmes of teacher education in the Fourth Plan and that, in view of its importance, a specific allocation of over Rs. 92 crores had been proposed for these programmes in the State, Centre and Centrally sponsored sectors in the Fourth Plan. For the first time these have been separately indicated in the Plan for in the earlier Plans provisions were built in the elementary and secondary education sectors. He pointed out that the allocations that would be made available to the University Grants Commission in the central sector for these programmes should be generally earmarked for improvement of qualification of teachers and for strengthening of libraries, laboratories and workshops of training institutions. In this connection he suggested that grants for equipment, books and the salary of substitute/additional teachers may be provided on 100% basis and the grantee institutions would be expected to put up buildings required for qualitative improvement of the institutions. Dr. Joshi pointed out that the existing training colleges and education departments of the universities had not thrown up any inspired and dynamic leadership. There was, therefore, the need for developing institutes of pedagogy on the lines of the Indian Institutes of Technology. Such institutes could have a student body of even 5000 and a staff strength of 300 which would ensure effective group research of a high order.

2. Shri K.L. Joshi said that the existing 275 teacher training colleges in the country had not received much assistance from the University Grants Commission under its development programmes for affiliated colleges because the funds for the purpose were linked with development of secondary education and not university education. He cited the findings of the Report on Teaching Training of the Committee on Plan Projects and said that most of the existing training colleges were not comparable even with the poor art, science and commerce colleges. By and large the universities had not taken any interest in developing the training institutions. In this connection he pointed out that the content of courses in the training institutions can hardly be improved without active participation of the universities. While the expansion of training facilities would continue to be in the State Sector, programmes of qualitative improvement could be mainly directed through the central agency like the UGC provided enough funds were made available for this purpose.

3. Shri J.P. Naik said that the present committee would no doubt consider the programmes of qualitative improvement of teacher education but the Committee could also suggest other programmes which might be implemented by the States and by agencies responsible for centrally sponsored programmes. The Committee then took up for consideration the items proposed in the agenda.

Item No: 1: Terms of reference of the Standing Committee.

4. It was noted that the Committee was concerned with teachers' education programmes at all levels. It was also suggested that function of the Committee should include "Evaluation".

Item 2(i) : Establishment of schools of Education in selected universities.

5. The Committee agreed to give a high priority to the establishment of Schools of Education. Apart from breaking the isolation of training institutions from the university life, these Schools would help develop research on an inter-disciplinary basis. The following suggestions were offered in this connection.

1. The scope and aims of the Schools of Education, as formulated by the Education Commission, may be brought to the attention of the universities and they may be requested to formulate detailed plans in this connection. This might indicate the seriousness that has gone into the planning of these Schools.
2. Whether these Schools are called Schools of Education or Departments of Education or Institutes of Education was not very material and was better left to the universities which are finally selected for this purpose.
3. The universities should be encouraged to appoint eminent professors in different disciplines either as part-time or full-time professors in these Schools to facilitate research and teaching on an inter-disciplinary basis.

4. The universities which do not have Education Departments at the Headquarters nor any teacher training affiliated colleges may also be considered for the establishment of Schools of Education. An important consideration would be the excellence of the existing departments and the ability of the University to sponsor inter-departmental and cooperative research.
5. The establishment of Schools of Education should make it possible to improve the qualification of existing staff in teacher education institutions. Admission to the Schools of Education may be given on priority basis to the staff of existing teacher training colleges but this should not preclude the admission of fresh students.
6. The Chairman of the University Grants Commission may be requested to appoint a committee to formulate in detail the functions, scope and the working of the Schools of Education in close cooperation with the science and social science departments of the universities.

Item 2(ii) Establishment of Comprehensive Colleges

6. The Committee welcomed this proposal and suggested that immediate action may be taken to set up such institutions in selected States. It was suggested that the location of such colleges should be based on a survey of existing training colleges and schools. The main points to be taken into account may be (i) potentiality for growth, (ii) minimum additional expenditure involved in converting existing training institutions into comprehensive college and (iii) an enrolment of 400 to 600.

Items 2(iii) - (vi)

2(iii) - Improvement of quality in Teacher Education

2(iv) - Postgraduate courses

2(v) - Improving the quality of training institutions

2(vi) - Correspondence Education.

7. The suggestions made by the Education Commission on the items mentioned above were broadly accepted by the Committee. There was, however, lively discussion on the correspondence courses. A suggestion was made that fresh graduates may be employed as teachers in the current scales and given correspondence courses, with practical training, in order to qualify as trained teachers. It was, however, pointed out that extreme caution would be necessary to implement this programme. In the U.S.A.; for example, only 1/3rd of the credits could be earned by correspondence and in the USSR students had to spend 2 of the 5 years as regular students in Teacher training institutions. It was also pointed out that if teacher training was confined to correspondence courses, those of the women students, who appear as private candidates in various public examinations, may never have an opportunity of coming into contact with the academic life of the universities.



Item 3: Development of Selected Training Colleges

8. The Committee agreed that this scheme would help to bring about substantial improvement in teacher education programmes. The colleges selected for the purpose should be enabled to develop to a minimum prescribed level. The minimum requirements should be laid down by the University Grants Commission with the help of a small expert group. It was mentioned in this connection that the Task Force on Teacher Education of the Education Commission and the Department of Teacher Education of the NCERT had done some work on this aspect of the problem and this should be helpful in laying down the norms. Institutions selected for assistance should be helped to come to a level from where they can easily take off to higher peaks of excellence.

Item No: 4 - Summer Institutes for Teacher Educators at the Secondary and Primary Levels.

8. It was agreed that this proposal should be given a high priority. An attempt should be to cover about 1/3rd to 1/2 of the existing teacher education at the secondary level during the current plan period. In view of the fact that the proposed Summer Institute for primary level would be the first of its kind, a good deal of preparatory work was required to gather the needed expertise. It would, therefore, be necessary to organise the first institute early in 1967 with the help of four or five resource persons who could be requested to direct similar institutes from 1968 onwards. The programme will have to concentrate on those aspects of primary teacher training which are almost totally neglected at present. As in the case of Summer Institutes for school teachers, this programme should be implemented jointly by the UGC and the NCERT.

Item 5: Promotion of Educational Research in Training Institutions.

10. The Committee agreed with the view of the Education Commission that the quantity of educational research in India is small and its quality mediocre or poor. It was noted that the average annual output of Ph.Ds' in the country was about 4. Educational research could be promoted in the following ways:-

- i. Incentives should be given to Ph.D. scholars in Education. It has to be ensured that we produce at least 20 Ph.D's in Education every year as against 3 or 4 at present.
- ii. Some preference should be given to Ph.D's in Education in matters of appointment as is done in the case of doctoral degree holders in science and other subjects.
- iii. The University Grants Commission may institute 10 research fellowships, 2 senior and 8 junior, for doctoral work in education. These fellowships may be increased to 20 per year in due course and should be earmarked for education.
- iv. Teachers may be encouraged to undertake research and adequate research grants should be made available to them on the pattern of a similar scheme already under implementation with the University Grants Commission.

Item No: 6 - State Boards of Education and Standing Committee on Teachers Education

11. Consideration of this item was postponed. This recommendation of the Education Commission is currently under consideration by the State Governments and decisions in this regard are expected only by December, 1966. The Committee, however, endorsed the recommendations of the Education Commission that there should be State Boards of Teacher Education in every State.

Item No: 7 - Production of Literature on Education in English and Modern Indian Languages

12. The proposal was broadly accepted. It was suggested that the University Grants Commission should work out a grant-in-aid scheme for production of literature on Teacher Education in various languages by universities/training institutions/State Institutes of Education/other Associations/Individuals.

The following suggestions were made for consideration by the University Grants Commission in this connection:-

- i. Under this scheme, suitable manuscripts by competent individual authors, teams of authors and institutions could be invited for publication.
- ii. Availability of suitable literature for teachers at the elementary level in regional languages is of vital importance for improving the quality of education and publication grants should be available for this purpose.
- iii. Translation or adaptation from standard books may be encouraged to augment the supply of adequate literature.
- iv. A survey of existing literature available to teachers would be very useful. Some State Institutes of Education have already undertaken such surveys. These should be helpful in determining priorities.
- v. The University Grants Commission may set up a committee to work out the details of the scheme.

Item No: 8 - Programme of action for the Fourth Five Year Plan

13. While considering the proposals to be taken up by the University Grants Commission for improvement of Teacher Education, it was felt that it would be advantageous to have a comprehensive picture of the entire programme of Teacher Education as finally included in the Fourth Plan both by the State and national level agencies. It was understood that as against Rs. 28 crores provided for teacher education in the Third Plan, the provision during the Fourth Plan was estimated to be of the order of Rs. 120 crores. A programme of this dimension would require close scrutiny and coordination. It was agreed that such an exercise would be done by a small group consisting of Shri J.P.Naik, Dr. S.N. Saraf, Shri K.L. Joshi and Dr. J.N. Kaul.

14. Dr. Saraf said that the allocation for University Grants Commission could be estimated to be more than Rs. 3 crores. The Committee welcomed this and agreed that the University Grants Commission may formulate a suitable programme for improving the standards of teacher education in the country.

It was suggested that the University Grants Commission may, with the help of the above committee prepare detailed estimates of costs of various programmes to be sponsored by the U.G.C. This would enable the University Grants Commission to make the necessary budget provisions for 1967-68 so that these schemes could be implemented from the next academic year.

15. In order to finalise details of various schemes, it was agreed that the Chairman, University Grants Commission, be requested to set up the following four committees :-

- i. To prepare detailed programmes for Schools of Education and Comprehensive Colleges.
- ii. To draw up a detailed scheme for Summer Institutes for Teacher Educators at the primary and secondary levels.
- iii. To suggest detailed schemes for Research grants and literature.
- iv. To suggest the manner and method of selecting training colleges for development and to lay down minimum standards to be achieved.

The details worked out by the Committees may be forwarded to the members for their comments.

The meeting concluded with a vote of thanks to the Chair.

Proceedings of the meeting of the Committee appointed by the Commission to discuss promotion of channels of academic communication between hill areas and other parts of the country.

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The Committee appointed by the University Grants Commission to discuss measures for promoting channels of academic communication between the hill areas of North-Eastern India and the other parts of the country met on 1st May 1967 at 10.30 A.M. at the U.G.C. Office, New Delhi. The following were present:

1. Dr. D.C. Kothari,  
Chairman,  
University Grants Commission.
2. Shri J.B. Hajjer,  
Education Minister,  
Assam.
3. Shri J.P. Naik,  
Adviser,  
Ministry of Education.
4. Dr. M.N. Srinivas,  
Director,  
Delhi School of Economics,  
Delhi.
5. Dr. P.N. Mehra,  
Professor of Botany,  
Panjab University.
6. Prof. G.G. Swell, M.P.
7. Miss D. Franklin,  
Chairman,  
State Social Welfare Board,  
Gauhati.
8. Rev. E.M. Pugh,  
Principal,  
Hynod College,  
Shillong.
9. Shri Sangliana,  
Assistant Inspector of Schools,  
Aijal.
10. Rev. W. Manners,  
Retired Headmaster,  
Shillong Government High School.
11. Shri K.L. Joshi,  
Secretary,  
University Grants Commission.

12. Dr. J.N. Kaul,  
Development Officer,  
University Grants Commission.
13. Dr. S.C. Goel,  
Education Officer,  
University Grants Commission.

2. Dr. Kothari welcomed the members of the Committee and said that the main purpose of convening the meeting was to discuss generally measures for effectively promoting higher education in the hill areas and forstering contacts and communication between academic people in the hill areas and those in other parts of the country.

3. At the outset the question of the university for the hill areas came up for discussion. It was agreed that setting up of a university for the hill areas as recommended by the Joint Committee of the University Grants Commission and the Ministry of Education should be given the highest priority. Acceptance of the recommendation of the Committee for the establishment of a federal type of university with a constituent college in each important centre viz. Imphal, Tura, Aijal, Halflong and Kohima would go a long way in meeting the aspirations of the hill people for the development of higher education and their distinct languages and cultures. These university colleges would become, in course of time, centres of postgraduate teaching and research. The Committee agreed that the proposed university would conduct its teaching and research through the medium of English in order to attract good teachers and students from all over the country and that Hindi would be one of the important subjects to be taught.

It was felt that an important objective of the university should be to provide intellectual leadership as also to play an important role in the economic and social development of the region by training of suitable man power and encouragement of research students. This would involve emphasis on technical and vocational education as well as on applied branches of sciences such as applied botany and applied economics.

It was noted that although some steps had already been taken for the setting up of a university in the hill areas of North-Eastern India, the project had not made any significant progress. It was understood that necessary provision had been made in the Fourth Plan for setting up a university in this area, the Assam Legislature had adopted a resolution requesting the Central Government to enact necessary legislation for setting up the new university under the auspices of the Central Government. But the Nagaland legislature had not yet passed any corresponding legislation.

4. An important question concerns the areas/subjects of special interest to the region, in which the new university should specialise. The hill areas present several such fields, in particular the investigation of the natural resources of the region involving botany, zoology, minerology, forestry, agriculture, agricultural economics etc. It was agreed that an informal group may be set up for further thought and attention to this aspect of the problem. The group may consist of Prof. Swell, Miss Franklin, Rev. Pugh, Rev. Manners and a nominee each of the Education Ministers of Assam and Nagaland.

5. As studies and researches in botany would be of the utmost importance to the development of hill areas, it would be helpful if the Botany Department of the Panjab University could establish a special cell in one of the colleges of Shillong. The cell could be supported by the U.G.C. Dr. Mehra kindly agreed to make a preliminary study of the potentialities of the area and to send a detailed proposal to the U.G.C. Prof. Srinivas also agreed to establish a unit in the Sociology Department of Delhi University to promote sociological studies of the hill areas and to facilitate exchange of students and teachers.

6. It was agreed that some scholarships may be provided to students in the hill areas for advanced study in universities and colleges in other parts of the country. The selected students could work in important centres in India viz., the Department of Botany at the Panjab University, the Department of Sociology at the Delhi University, the Central Institute of Education etc. In this connection a suggestion was made that some scholarships say 10 to begin with, may be earmarked for students from educational institutions in the hill areas. The colleges concerned would make the preliminary selection and forward the applications for the consideration of the U.G.C. The award of fellowships may be made with effect from 1967-68, if possible.

7. The U.G.C.'s scheme of summer institutes for the improvement of science education should be used to organize special summer institutes in science subjects and mathematics for teachers of schools and colleges located in the hill areas. Immediate steps may be taken for organizing a summer institute at Shillong in 1968.

UNIVERSITY GRANTS COMMISSION

APPENDIX I TO ITEM NO. 2a(28)

Selection Committee for making first award during 1967-68 under the scheme of "Financial assistance to teachers for research or learned work in Humanities, Social Sciences and Sciences. The meeting was held on 10.4.1967.

<u>S.No.</u>	<u>Name and Designation</u>	<u>Whether he attended the meeting on 10.4.1967</u>
1.	Prof.M.S.Duraiswamy, Professor of English, Annamalai University, Annamalainagar.	Yes
2.	Prof.S.Bhattacharya, Professor of Sanskrit, Banaras Hindu University, Varanasi.	Yes
3.	Prof.S.M.Suman, Principal, Madhav College, Ujjain.	Yes
4.	Prof.A.M.Khusro, Institute of Economic Growth, Delhi University, Delhi.	Yes
5.	Prof.K.K.Pillay, Professor of History, Madras University, Madras.	Yes
6.	Shri P.K.Roy, Principal, Central Institute of Education, Delhi.	Yes
7.	Dr.S.N.Biswas, Professor of Physics, Delhi University, Delhi.	Yes
8.	Dr.K.Balachandran, Professor of Mathematics, Madras University, Madras.	Yes
9.	Dr.R.C.Sinha, Professor of Geology, Patna University, Patna.	Yes
10.	Prof.Gurbaksh Singh, Professor of Chemistry, Banaras Hindu University, Varanasi.	Yes
11.	Prof.K.K.Nayar, Professor of Zoology, Kerala University, Trivandrum.	Yes
12.	Prof.A.Abraham, Professor of Botany, Kerala University, Trivandrum.	No

TEACHERS SELECTED FOR FIRST AWARD DURING 1967-68 UNDER  
THE SCHEME OF FINANCIAL ASSISTANCE FOR RESEARCH AND  
LEARNED WORK IN SCIENCES.

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No.	Name and Designation	Title of the Research Project	Amount sanctioned	Purpose
2.	3.	4.	5.	
1.	Dr. R.L. Blokhra, Lecturer, Panjab University, Chandigarh.	Studies in Non-equilibrium Thermodynamic	1500	Equipment
2.	Shri S.C. Guhnai Yogi, Junior Lecturer, Anand Chandra College, Jalpaiguri (West Bengal)	Fundamental Studies on the interactions of organic and inorganic molecules with aluminosilicates in polar and non-polar solvents.	1500	Chemicals, books and fabrications
3.	Shri G.K. Chaturvedi Associate Professor, Agra College, Agra.	Physico Chemical Studies on Mixed complexes of transitional metals.	1000	Chemicals & Books.
4.	Dr. D.N. Purdhit, Lecturer, Udaipur University, Udaipur.	Studies on transition & Inner transition (III GR) metal complexes of hydroxytriazenes	1500	Chemicals and books.
5.	Dr. R.K. Mittal, Lecturer, Rajasthan University, Jaipur.	Synthesis of organic compounds of group V elements and their ana- lytical uses.	1000	Chemicals and equipment.
6.	Dr. R.S. Saxena, Head of the Deptt. M.R.E. College, Jaipur.	Physico-Chemical studies on metal complexes and their appli- cations to analytical and Indus-Chems.	1500	Chemicals and books.
7.	Shri S. Dutt, Lecturer, Jadavpur University Jadavpur.	Synthesis of fused ring system	1500	Chemicals, books and apparatus.
8.	Dr. S.R. Mohanty, Reader, Banaras Hindu University, Varanasi.	Annealing of irradiation induced electrical conductivity changes in solid substances.	1000	Apparatus.
9.	Dr. Kailash Nath Mehrotra, Lecturer, Banaras Hindu University, Varanasi.	Organic photochemistry 'Photochemistry of ANILS'	2000	Equipment and Chemicals.
10.	Shri M.P. Reddy, Lecturer, V.R. College, Nellore. (A.P)	Physico-Chemical Studies of Redox Equilibria in solution.	1000	Chemicals, books Apparatus and Misc.



1.	2.	3.	4.	5.
11.	Dr. Vimla Paul, Lecturer, Agra College, Agra.	The interaction and electro-kinetics of the double layer around colloidal Se. & Te particles.	1500	Chemicals and Books.
12.	Dr. R.K. Shah, Lecturer, Gujarat University, Ahmedabad.	A study of petroleum Hydrochemical indicators in oil-field areas in Gujarat.	1000	Chemicals and books.
13.	Shri S.N. Rastogi, Lecturer, D.N. College, Meerut.	Chemical Studies of some nitrogen Heterocyclic compounds having pharmacological potentials.	1000	Chemicals.
14.	Dr. R.C. Aggarwal, Offg. Reader, Chemistry Department, Lucknow University, Lucknow.	A study of Reactions of certain Azines and Phenyl Hydrazones with Tetra Halides of IV Group Elements.	1500	Equipment and Chemicals.
15.	Shri Kusal Prakash Khan, Lecturer, Bangabasi Morning College, Calcutta.	'Biochemical Analysis of Streptomycin Dependent Microorganism.	1000	Chemicals and Glasswares
16.	Shri G. Srinivasan, Lecturer, Vivekananda College, Madras.	Kinetic Studies in Oxidation	1500	Chemicals and Books.
17.	Dr. I.M. Mathai, Professor, Madras Christian College, Madras.	Iodosoacetate as an Oxidising Agent.	2000	Apparatus
18.	Shri S.K. Sinha, Lecturer, Ranchi University, Ranchi.	Absorption of Organic Bases at Dropping Mercury Electrode.	1000	Chemicals.
19.	Shri B.N. Sen, Head of the Deptt. Midnapore College, West Bengal.	On a new Method of Detection and Estimation of Sugars.	1000	Chemicals and Glassware and Misc.
20.	Dr. R.A. Kulkarni, Professor, Ramnarain Ruia College, Bombay.	Synthetic Anthelmintics	2000	Fabrication of Equipment.
21.	Shri R.N. Vidwans, Professor & Head, M.E.S. College, Poona.	Studies in Flavonoids	1200	Chemicals.

1.	2.	3.	4.	5.
22.	Dr.S.C.Ray, Lecturer, University of North Bengal, Raja Rammohanpur Distt: Darjeeling.	a) Synthetic work on heat stable polymers b) Experimental studies in some heterocyclic compounds.	1000	Chemicals
23.	Dr.H.S.Singh, Lecturer, Allahabad University.	Dielectric Contribution to Activation Energy in Ionion, Ion Dipolar Molecule and Dipolar Molecule Dipolar Molecule Reactions.	1500	Chemicals and Books.
24.	Dr. ... I. Mohamed, Sheriff, Lecturer, American College, Madurai-2.	Kinetics and Mechanism of Polymerization Reactions Initiated by dye-reducing agent systems in aqueous solutions.	1500	Chemicals and Books.
25.	Shri S.R.N.Dwivedi, Lecturer, Govt.Science College, Rewa.	Chemistry of Plan Production.	1000	Chemicals.
26.	Dr.S.K. Chakravarty, Reader, North Bengal University, Darjeeling.	Equilibrium and Kinetics of Sorption and Desorption at Sold-Liquid Interface.	1000	-do-
27.	Dr.C.P.Vig, Reader, Panjab University, Chandigarh.	Synthetic Investigations in Terpenoids.	1000	Applied Chemi- cals.
28.	Dr.S.V.Kesser, Reader, Panjab University, Chandigarh.	Synthesis of Slanum alkaloids.	1000	Chemicals.
29.	Dr.A.K.Bhattacharya, Reader, Calcutta University, Calcutta.	Isolation & Structure Elucidation of natural products with special reference to Alkaloids and Triterpenes.	1000	Chemicals and Books.
30.	Dr.Bani Talapatra, Lecturer, Victoria Institution, Calcutta.	Studies on the active prin- ciples of some Indian medical plants.	1000	Apparatus & Chemicals.
31.	Shri S.K.Talapatra, Lecturer in Chemistry, University College, Calcutta.	Studies on Teppenoids and related compound of some medicinal plants.	1000	Apparatus and Chemicals.

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<u>BIOCHEMISTRY</u>				
32.	Dr. Miss C.Z. Hussain, Lecturer in Biochemistry, Maulana Azad Medical College, New Delhi.	Anticoagulant properties of Fibrinogen Split products and their role in Vitro	1500	Chemicals, Books & Apparatus.
33.	Dr. (Mrs.) R. Pant, Lecturer in Biochemistry, Allahabad University.	Chemical and Bio- chemical study on plant.	2000	Chemicals, Glassware & Books.
34.	Shri H.M. Dhani, Lecturer, Panjab University, Chandigarh.	Boron Metabolism	1000	Equipment & Books.
35.	Shri N. Nath, Lecturer in Biochemistry, Nagpur University.	Effect of Keton Bodies Vitamins B reducing compound on the growth & Metabolism of E. 113-3-	1000	Chemicals & Books.
36.	Shri G.D. Kalyankar, Professor of Biochemistry, St. John Medical College, Bangalore.	Mechanism of Photodeg- radation of Amino Acids.	1500	Chemicals, Books & Apparatus.
<u>ZOOLOGY</u>				
37.	Smt. R. Sarojini, Head of the Deptt. S.B. College, Aurangabad.	Systematic Survey of Ano- nuran of India.	1500	Books, Glass ware & Field Work.
38.	Shri B.R.T. Rao, Demonstrator, St. Joseph's College, Bangalore.	The Studies on the Organism in the Sewage channels at Bangalore.	1000	Glassware Chemicals & Books.
39.	Shri M.G. Venkatesha, Demonstrator, St. Joseph's College, Bangalore.	Artificial Breeding of Toads Study of the Duration of Metamorphosis of Bufo Melanostictus (Toad).	1000	Chemicals and Glassware.
40.	Shri J.C.B. Abraham, Professor, American College, Madurai.	Studies on the Ecology of the Anurans (Amphibia) of Madurai.	1000	Books, Equip- ment, Field Work.
41.	Shri Bholanath Banerjee, Lecturer, B.N. Mahavidyalaya, Itachuna Hoogly (West Bengal).	A study of the life history and early stages of Indian Heleids (Deptera)	1000	Books, Chemi- cals and Apparatus.
42.	Dr. C.K.G. Nayar, Lecturer, Christ College, Irinjalakonda.	Studies on the fresh water zooplankton of Kerala.	1000	Chemicals, Equipment and Field work.

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43.	Smt.K.Sarin, Lecturer, Maharani's College, Jaipur.	Studies on Nutritional requirements and Deficiency effects of Riboglavin Resistant Strain of Trogoderma.	1500	Chemicals, Equipment and Books.
44.	Shri V.P.Dixit, Lecturer, Maharaja's College, Jaipur.	Histological and Histochemical studies on the caudal neurosecretory system in some local fresh water Teleosta.	1500	Chemicals, Books Apparatus, Field Work.
45.	Dr.W.Khatkar, Lecturer, Government College, Ajmer.	Studies on Schizodactylus Monstrocus Don(Orthopetra) with special reference to Histology and Histochemistry of Neurosecretory cells and their relationship to Occyte development.	1000	Chemicals, Books Equipment.
46.	Dr.R.D.Gulati, Lecturer, Hans Raj College, Delhi.	Limnological Studies on some North Indian lakes and reservoirs.	500	Field work.
47.	Shri C.M.Shankarappa Lecturer, Govt.College, Tumkur.	Cytological and Cytochemical studies of Ciliates around Thumkur	1000	Chemicals and Equipment.
48.	Dr.P.D.Prasada Rao, Lecturer, Vikram University, Ujjain.	Studies on the Regulatory Mechanism of the Teleost Hypophysics.	1500	Field Work Chemicals.
49.	Shri B.C.Mazumdar, Lecturer, Sree Chaitnya College, Habra(W.Bengal).	A study on the Alluaudomyia and Stilobezzia species of Biting Midges (Ceratopogonidae) Diptera of Eastern India.	1500	Chemicals Books & Equipment.
50.	Dr.S.Kannan, Professor & Head Ghiagarajar College, Madurai.	Biochemical Studies on the Root Knot Nematode Parasitism in some Economic Plants.	2000	Field work Chemicals.
<u>BOTANY</u>				
51.	Shri A.S.Salanki, Demonstrator, Marathwada University, Aurangabad.	Study of the entrainment of feedback oscillations in Plants.	1500	Equipment, Chemicals, Books.
52.	Shri. Udai Narain, Head of the Deptt. Rajendra College, Chapra.(Bihar).	Ecology of Microfungi Associated with the Decaying Leaves of Mangifera Indica and of their succession.	500	Field work.
53.	Dr.V.B.Sharma, Assistant Professor, Government College, of Science, Raipur(M.P)	Ecology of Wetlands of Chhattisgarh	1000	Field work.

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54.	Shri V.P.K.Nambiar, Lecturer, Govt. Victoria College, Palghat.	Morphological and Embryological studies in Podostemaceae.	1500	Chemicals & Journals.
55.	Dr.Naresh Chandra, Lecturer, Meerut College, Meerut.	Growth and differentiation in Tissue, Cultures and singles cells of some monocots.	1500	Equipment, Glass ware & Chemicals.
56.	Shri R.S.Gupta, Lecturer, Udaipur University, Udaipur.	Systematic and Ecological Study of Blue green algae of Rajasthan.	1000	Field work.
57.	Shri A.K.Dutt, In-charge Raj College, Burdwan.	Flora of Burdwan District West Bengal.	1000	Field work.
58.	Shri S.K.Tandon, Lecturer, Govt.College, Bhilwara.	Floristic and Ecological studies of Bhilwara & its neighbourhood.	1000	-do-
59.	Dr.D.D.Nautiyal, Lecturer, Allahabad University, Allahabad.	Studies of the coal flora of Indian seams with special reference to the reproductivity of structures.	1000	-do-
60.	Shri K.K.Bhingra, Lecturer, P.G.Vigyan Mahavidyalaya, Gwalior(Lashkar).	Flora of Gwalior	500	Material, Books and field work.
61.	Smt.Maqbool Begum, Lecturer, Maharani's College, for Women Bangalore.	Embryological Studies in Eriocaulaceae.	1500	Books and Field work.
62.	Shri S.D.Patil, Lecturer, Poona University, Poona.	Studies on the Fungi of Western Ghats.	1500	Books, Glassware Photo material and collection.
63.	Dr.C.K.Shah, Reader, Gujarat University, Ahmedabad.	The Cyperaceae of Gujarat 1.	1000	Field work.
64.	Dr.B.B.Sharma, Lecturer, Lucknow University, Lucknow.	Pythium Diseases of cucurbitaceous vegetables.	500	Glassware and Apparatus.

1.	2.	3.	4.	5.
65.	Shri R.S.P.Rao, Head of the Deptt. Government Arts and Science College, Chittor (A.P.)	Floristic Study of Ahobilam forest in Mallamalai Hills.	1000	Field work
66.	Dr. Mannohan Singh, Head of the Department, S.G.T.B. Khalsa College, New Delhi.	Algal Flora of Delhi	500	Field work
67.	Dr. D.N. Sen, Lecturer, Jodhpur University, Jodhpur.	Seed coat and seed germi- nation studies on desert plants of Rajasthan.	500	Field work.
68.	Dr. C.S.P. Rao, Reader, Banaras Hindu Univer- sity, Varanasi.	Cytology and life Histories of Algae from the West coast of India.	1000	Field work.
69.	Shri R. Ramabandran, Lecturer, Faculty of Agriculture, Annamalai University.	Studies on Thermophilic Microorganisms.	1500	Equipment, Chemicals.
70.	Shri Narendra Mohan Biswas, Lecturer, Ananda Mohan College, Calcutta-9.	Nutritional influences on the reproductive organs.	2000	Animals and Chemicals.
71.	Miss Sabita De, Lecturer, Pharmacy, Jadavpur University.	Study on the antibiotic effect of mitomycin.	1,000	Apparatus and Chemicals.
72.	Dr. Amalendu Choudhury, Reader in Physics, Jadavpur University, Calcutta-32.	A study on the growth of defect centres in Ionic Crystals due to Proton Bombardment.	3000	Equipment.
73.	Shri Narinder Kumar Puri, Lecturer, Panjab University, Chandigarh.	X-Ray diffraction techni- ques and studies of the Crystalline Materials.	1500	Equipment.
74.	Shri D. Shanmugasundaram, Lecturer, Annamalai University, Annamalainagar.	Magnetic Study of Molecular Interactions.	2000	Equipment
75.	Shri N. Vasudevan Nair, Lecturer, Mahatama Gandhi College, Trivandrum.	Micro wave generation using semi-conductors. Study of very long waves and directional trans- mission of radio waves.	2500	Equipment

1.	2.	3.	4.	5.
76.	Dr. (Mrs.) S.V. Itagi, Lecturer, Marathwada University, Aurangabad.	Chemiluminescence in nitrogen oxygen after- glow.	2000	Equipment.
77.	Dr. A. Srinivasa Rao, Reader in Physics, Marathwada University, Aurangabad.	Nuclear Magnetic Resonance in ferro- magnetic materials.	3000	Fabrication of Equipment.
78.	Shri Biswa Ranjan Gupta, Lecturer, Jalpaiguri Engg. College, P.O. Danguajhar, Jalpaiguri (W. Bengal).	Study of 'Ultrasonic Pulse' velocity through different types of Soil & Concrete samples and hence to co-relate between pulse velocity and different physical properties of soil and concrete.	2000	Equipment
79.	Shri Benoy Krishna Talukdar, Lecturer, Bolpur College, Bolpur (W. Bengal).	A relativistic study of the Auger effect and other related processes.	2000	Equipment.
80.	Dr. A. N. Nigam, Reader, Rajasthan University, Jaipur.	Study of X-ray spectra of vapours produced by high frequency high Voltage source"	2000	-do-
81.	Sh. Mucherla Venkata Ramavaiah, Lecturer, S.D.G.S. College, Hindupur, Anantapur Distt.	Determination of diss- ociation energies of the diatomic molecules.	1800	-do-
82.	Shri N.R. Joshi, Assistant Professor & Head of Physics Deptt. Engineering College, Gulbarga.	Study of nonelectrolytes in aqueous & nonaqueous solutions, with ultrasonic interferometer.	1500	-do-
83.	Dr. S.K. Varma, Udaipur University, Udaipur.	Studies on the effect of flux on the properties of sulphide Phosphers.	2000	-do-
84.	Shri Charanjit Kumar / Lecturer in Physics, Bareilly College, Bareilly.	Virmani Plasma Physics Propagation of Electromagnetic waves through Plasma.	1000	For books & Journals.
85.	Shri K. Sathianandan, Reader in Physics, Poona University, Poona.	"Molecular vibrations of Inorganic Compounds with special reference to Raman Spectra at High temperatures.	2500	Equipment

1.	2.	3.	4.	5.
86.	Dr. Joy George, Reader, Kerala University, Trivandrum.	Epitaxial growth of zinc and cadmium from vapour.	2500	Equipment
87.	Shri Jogendra Nath Chakravorty, Sr. Lecturer, Ramakrishna Mission Residential College, P.O. Narendrapur, 24 Parganas (W. Bengal).	Oscillometric and light scattering investigations on colloidal solutions.	1000	Equipment.
88.	Dr. P. K. Sharma, Lecturer, Allahabad University.	Electron-Phonon Inter- action in metals.	1000	Equipment.
<u>GEOPHYSICS</u>				
89.	Shri C. L. Singh, Reader, Banaras Hindu University, Varanasi.	Study of Prominent Aquifers in the districts of Varanasi and Azamgarh using Electrical Methods.	1500	Field Work & Contingencies.
90.	Dr. V. V. J. Sarma, Lecturer, Andhra University, Waltair.	Experimental Investigations on the Applicability of the Geophysical Prospecting for Manganese Ores.	500	Field work
91.	Dr. V. B. Rao, Reader, Andhra University, Waltair.	Regional Magnetic Investi- gations in Parts of Godavari Valley in East Godavari District, Andhra Pradesh.	500	Field work.
92.	Shri Nilakantha Acharya, Lecturer, Utkal University.	Magnetic Studies of Iron Ore Deposits of Umerkote Area of Korapur District Orissa.	500	Field work.
<u>BIO- PHYSICS</u>				
93.	Shri G. S. Gupta, Lecturer, Panjab University.	Biochemical & Histochemical Studies of Mammalian Tests after Irradiation.	1000	Chemicals.
<u>ANTHROPOLOGY</u>				
94.	Km. Ranika Das, Lecturer, Arya Vidya College, Gauhati.	A study of Morphological Characters of Foot of Some Population of Assam.	2000	Books & Field Work.
<u>MATHEMATICS</u>				
95.	Shri R. N. Gupta, Lecturer, Ramjas College, Delhi.	Ring Theory	1000	Books & Photo- copies.



1.	2.	3.	4.	5.
96.	Shri P.K.Jain, Lecturer in Mathematics, Hans Raj College, Delhi.	Entire Convex and Mero- morphic Functions (Complex Analysis).	1000	Books etc.
97.	Shri R.D.Agrawal, Lecturer in Mathematics, S.A. Technical Institute, Vidisha.	Some problems in operational Calculus and its Application to Engineering Problems.	1000	Books.
98.	Shri R.C.Gupta, Asst. Professor in Mathematics, Birla Institute, Ranchi.	Trigonometry in Ancient and Medieval India.	1000	Books and Field Work.
99.	Dr.B.D.Malviya, Lecturer in Mathematics, Allahabad University, Allahabad.	Functional Analysis.	1000	Books etc.
100.	Dr.R.C.Choudhary, Reader in Mathematics, Ranchi University, Ranchi.	Magnetohydrodynamics, Hydromagnetic Flow in the presence of Transverse Magnetic field.	1000	Books and Field work.
101.	Dr.K.Anjanayulu, Lecturer in Mathematics, Marathwada University, Aurangabad.	Quasi-Hausdorff Transforms of Tauberian series.	1000	Books and field work.
102.	Shri Amar Nath, Lecturer in Mathematics, K.G.K.Postgraduate College, Moradabad(U.P.).	Second order Differential Equations with special reference to Bessel functions.	750	Books.
103.	Shri S.Ganguly, Lecturer in Mathematics, Barasat Govt.College, Barasat.	Some problems connected with the structure of integral transforms.	500	Books
104.	Smt. M.Sugunamma, Lecturer in Mathematics, S.P.W.College, Tirupati(A.P.)	The Theory of Numbers Contributions to the Theory of General Arithmetic Functions.	500	Books and Jour- nals.
105.	Shri M.C.Jaiswal, Reader, Gujarat University, Ahmedabad.	The tabulation of per- centage points involved in testing the equality of parameters in certain non-regular densities.	1000	Computer Work
106.	Shri Mahendra Pratap, Head of the Department, J.V.College, Baraut.(Meerut)	Tests of Homogeneity of Related Statistical infer- ence.	1000	Books and Field Work.

1.	2.	3.	4.	5.
<u>CIVIL ENGINEERING</u>				
107.	Shri Y. Ananthanarayana, Asstt. Professor, P.S.C. College of Technology, Peelamedu (Coimbatore).	Analysis of thin walled R.C. Prismatic structural elements under combined Bending & Torsion.	1500	Cost of material and specimens.
108.	Shri B.P.S. Rao, Associate Professor, Walchand College of Engg. Sangli.	Anaerobic Digestion of Distillary Waste Effluents..	2450	Apparatus & Fabrications.
<u>ELECTRICAL ENGINEERING</u>				
109.	Shri Manohar Lal, Associate Professor, Roorkee University, Roorkee.	Synthesis of automatic control systems.	2000	Components and field work.
<u>CHEMICAL ENGINEERING</u>				
110.	Dr. Nand Lal Jain, Reader, College of Engineering, Raipur.	Crystal growth in polymers ((Synthetic).	2500	Apparatus.
<u>GEOLOGY</u>				
111.	Dr. S.S. Rao, Lecturer, Vikram University, Ujjain.	Problems of Deccan traps.	500	Field work
112.	Shri M.S.R. Jamkhandi, Demonstrator, Karnatak University, Dharwar.	Geology of the area around Kankanahalli and Uyamballi Bangalore Distt. Mysore State.	1000	Chemicals and field work.
113.	Dr. R.N. Sukheswala, Professor, St. Xavier's College, Bombay.	Investigations of Sar- bonatite of Ambadongar and other areas.	1500	Geiger counter, Micro sections and Photography
114.	Shri K. Anjanappa, Associate Lecturer in Engineering Geology, S.V. University College of Engineering, Tirupati.	Geological and Petro- logical Studies of parts of Archaens in Penincular India.	400	Field work.
115.	Dr. S.M. Casshyap, Lecturer, Aligarh Muslim University, Aligarh.	Stratigraphy and Sedi- mentology of the Araballi system, Rajasthan.	500	Field work.
116.	Dr. V.K. Srivastava, Reader, Aligarh Muslim University, Aligarh.	The Nature and configu- ration of the Western Part of Windhyan Basin.	500	Field work

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117.	Shri K.K.Tandon, Lecturer, Lucknow University, Lucknow.	Biostratigraphy of the Marine Tertiary Bocks of Kutch and Kathiawar with reference to Foraminifera, Echino- dermata and Ostrocoda.	1000	Field work and contingencies.
118.	Shri Y.V.Deshpande, Lecturer, B.V.B.Engg.College, Hubli.	Geology of the Area around Ankola and Gokara	500	Micro-sections.
119.	Shri Girjesh Chandra, Lecturer, Lucknow University, Lucknow.	Geomorphology and Stratigraphy of Chakrata Simla area with special reference to the Age of Deobam Limestone.	500	Contingencies
120.	Dr.S.C.Sarkar, Lecturer, Jadavpur University, Calcutta.	A detailed Geological & Mineralogical study of the Sulphide Ores from Singra Valley, Assam.	250	Field work.
121.	Shri P.Dutta, Lecturer, Cotton College, Gauhati.	Origin and Granitisation of Porbhyritic-Granites of the Bhoi area of Khasi Hills Assam.	500	Field work.
<u>GEOGRAPHY</u>				
122.	Shri N.K.Singh Lecturer, Banaras Hindu University, Varanasi.	Variability of probability of Rainfall and water deficit in U.P. and its effects and methods of improvement on the crop patterns in U.P.	300	Field work.
123.	Prof.J.Singh, Lecturer, Deptt.of Geology, Banaras Hindu University, Varanasi.	Spatial structure of Industry in N.E.Plattel of India. A study in Regional Planning.	300	Field work.
124.	Prof.V.M.Raju, Lecturer in Geology, D.N.R.College, Bhimavaram.	A geographical study of Andhra Pradesh.	300	Field work.
125.	Shri Ayodhya Prasad, Lecturer, Ranchi University, Ranchi.	Rural settlement of Ghotanagpur a study in cultural landscape.	300	Field work.
126.	Miss A.E.Dass, Lecturer, Rajasthan University College, Jaipur.	Geographical basis of Industrial locations in Rajasthan.	300	Field work.

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127.	Shri N.P.Ayyar, Reader, Saugar University, Sagar.	Land use studies in M.P.	300	Field work.
128.	Dr.(Smt.)Pramila Varma, Asstt.Professor, Saugar University, Sagar.	Land use planning of Rural urban fringe of Jabalpur.	300	Field work.
129.	Shri R.C.Barua, Lecturer, A.C.Training College, Jalpaiguri.	Settlement Geography of district of Darjeeling.	500	Field work.
130.	Shri A.K.Pal, Lecturer, North Bengal University, Siliguri.	A study of Fluvial Geo- morphology in the Sub- Himalayan zone of E. Himalaya.	300	-do-
131.	Shri R.C.Chandna, Lecturer, Panjab University, Chandigarh.	Changes in demographic character of Rohtak and Gurgaon Districts 1951-61 A geographical analysis.	250	-do-
132.	Miss S.K.Mehta, Lecturer, Panjab University, Chandigarh.	Some aspects of changes in demographic character of Bis Doab . 1951-61 A Geographical Analysis	250	-do-
133.	Shri D.C.Jayasankar, D.B.College of Commerce & Arts, Mysore.	Import and Export area Delineation of three Southern parts, Madras.	250	-do-
134.	Shri P.K.Chakravarti, Lecturer, North Bengal University, Siliguri.	Social aspect of Regional economic development. A case study from the sub- montageregion of North Bengal.	250	-do-
135.	Shri B.Bhattacharya, Lecturer, North Bengal University, Siliguri.	A locational analysis of urban growth and its future in North Bengal.	250	-do-
136.	Mrs.A.Bhattacharya, Lecturer, North Bengal University, Siliguri.	Changing social structure of the population of North Bengal.	500	-do-

UNIVERSITY GRANTS COMMISSION

APPENDIX II TO ITEM NO. 2 (a-28) Contd.

Teachers selected for first award during 1967-68  
under the scheme of financial assistance for research  
or learned work in Humanities and Social Sciences.

S.No.	Name and Designation	Title of the Research Project.	Amount sanctioned Rs.	Purpose
1.	2.	3.	4.	5.
1.	Dr. D.N. Shukla (Lecturer) Seth Soorajmull Jalan (Girls' College, Calcutta.)	Hindi Me Carit Kavya Ki Parampara Aur Usaka Adhyayan	250	Books
2.	Dr. B. Tiwary, Assistant Professor, Saugar University.	Procurement and Editing of the eminent poet Har Charandas an eminent poet of 18th century.	500	Books
3.	Dr. Suman Lata Saxena Lecturer A.N.D.M.M. Kanpur.	Adi aur Madhya Yugin Hindi Kavya Roop 1200-1600	500	Books
4.	Dr. B.D. Upreti, Lecturer, Allahabad University.	Pithauragarh Ki Boli Aur Uska Lok Sahitya	750	Books and Field work.
5.	Shri B.P. Verma 'Kamal' Lecturer, Deoghar College, Tatkalin Bihar.	Ritikalin Kavya Granth on Ke Adha Aur Per Tatkalin Samajik Jeevan- Ka Adhyayan	250	Books
6.	Dr. C.L. Prajbat, Prof. & Head, K.C. College, Bombay.	Hita Chaurasi Thata Sfuta Pada	1000	Books
7.	Sh. Janak Gupta, Lecturer, Jammu & Kashmir University.	Comparative Study of Dogri and Hindi Folk Songs.	750	Books and Field Work.
8.	Sh. Kailash Prasad, Lecturer, Patna University.	Magadh Lok Gathaon Ka Adhyayan	500	Field Work
9.	Shri K.S. Satyanarayana Lecturer, Narsapur College, Narsapur.	Comparative Study of the Moral Literature in Hindi and Telugu.	500	Books and collection of manuscripts.
10.	Dr. N.N. Upadhaya, Lecturer, Central Hindu College, Varanasi.	Tantrik Bauddha Apa- Bhransa Racana on Ka Vaijnanika Aur Adyatana Sampadana Aur Adhyana	750	Books and Manu- scripts.
11.	Shri Padam Singh, Lecturer, Govt. College, Kotputli (Raj).	The comparative study of Western Rajasthani and Gujarati languages.	500	Books and Field Work

S.No.	Name and Designation	Title of the Research Project	Amount sanctioned	Purpose
1.	2.	3.	4.	5.
12.	Sh.G.M.Umapati, Head Basavesvara College, Bagalkot.	Prabhudeva and Gorakh- nath: A comparative study.	650	Books
13.	Dr.G.N.Rajguru, Lecturer, Panjab University.	History of Apabhramsa Literature	1000	Books and Field Work.
14.	Dr.H.P.Gupta, Lecturer, Rajdhani College, Delhi University.	Kashmir Peasants Life	700	Books and Field work.
15.	Dr.Om Prakash, Reader, Delhi University.	Braja Bhusha Text	800	Books and Field Work.
16.	Sh.R.K.Seth, Lecturer, D.A.V.College, Delhi.	Tirruvalluvar and Kabir: A comparative study.	1000	Books and Field Work.
17.	Dr.U.B.Singh, Lecturer, Delhi University.	Critical Edition of the Vinayapatrika (By Tulsi Dasa)	750	Books and Field Work.
18.	Shri R.K.Shukla, Lecturer, M.M.Modu College, Modinagar.	A comparative study of Ravishena's Parma- purana.	500	Books
19.	Sh.R.M.Sharma, Lecturer, College, Jind.	Ram Naresh Tripathi and his literature.	500	Books and Field work.
20.	Sh.R.C.Lavania, Lecturer, S.D.College, Ghaziabad.	The values of Life as depicted in the 20th Century Hindi Short Stories.	500	Books.
21.	Sh.S.M.R.Swany, Lecturer, Maharani's College, Mysore.	A comparative study of the Characters of Ramakavyas in Hindi and South Indian Languages.	500	Books and Field Work.
22.	Dr.Ram Gopal Sharma 'Dinesh' Lecturer, M.B.College, Udaipur.	Surati Mishra Granthawali: Sampadan Tatha Bhumika	750	Field work and Manuscripts
23.	Dr.K.R.Rao, Lecturer, Andhra University.	A comparative study of Indian Riddles (in Hindi)	500	Field work

2.	3.	4.	5.
24. Dr. S.S. Misra 'Madhupa' Head of the Deptt. R.N.P. Degree College, Sitapur.	Avadhi Ka Jan Padiya Sahitya - Sankalan Aur Addhyayan	500	Books and Field Work.
25. Sh. M.P. Sharma, Lecturer, Rajasthan University.	The Origin and Develop- ment of Mewati.	500	Field work
26. Smt. Hymavathy Thampuran, Part Time Lecturer, University (Kerala) Centre, Errakulam.	A Comparative Study of the Language and Word Pattern of Biharilal.	500	Books and Field Work.
27. Km. Shiv Rani Garg, Lecturer, A.E.P. Degree College, Khurja.	Hindi Ke Atihasik Charit Ka Alochnatmak Adhyayan (12th Century to 15th Century).	500	Books
28. Smt. Radha Krishnamurthy, Lecturer, M.E.S. College of Arts and Commerce, Mailesearam.	Daks and Bharat Ki Sant Parampara	750	Books and Field Work.
29. Sh. R.K. Saraf, Assistant Professor, Government Degree College, Balaghat	Prachin Aur Arvachin Natyashastra Ke Adhar Par Prasad Aur Kalidas Ke Natkon Ka Tulnatamak Adhyayan	250	Books
30. Dr. Raghuvansh, Lecturer, Allahabad University.	Translation and Commentary of Natyashastra	500	Books
31. Shri R.K. Kaushik, Lecturer, M.M.H. College, Ghaziabad.	Nirala Sahitya Men Abhivyanjana Shilp	250	Books
32. Shri Sanker Rao Kappikeri, Lecturer, Karnatak University.	Kabir and Basava : A Comparative Study.	600	Books and Field Work.
33. Shri R.P. Singh, Lecturer, T.N.B. College, Bhagalpur.	Hindi Kavya Ki Nirguna Dhara Men Yoga	250	Books
34. Shri K.B. Sehgal, Lecturer, Govt. College Tonk, (Rajasthan).	Rajasthan Lok Gathayen Aur Niharde Sultan	500	Books and Field Work

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<u>SANSKRIT</u>				
35.	Shri K.V.Sharma, Lecturer-cum-Asstt.Editor, Vishveshvaranand Instt. of Sanskrit and Indological Studies, Panjab University.	A critical edition of Varahamihira's Brhat- Samhita with the commentary of Bhaskara- Yogi.	1000	Books, Manu- scripts and Field Work.
36.	Shri Krishna Kant Chaturvedi Lecturer, Jabalpur University.	Sanskrit Bali Aur Prakrit Ke Pracheen Sahitya Ki Saman Kathaon Ka Kosha	1500	Books and Field work.
37.	Shri P.F.Davis, Head of the Deptt.of Sanskrit, Loyola College, Madras.	The socio-economic con- ditions in the Arthasastra of Kautilya in relation to Mahabharata	1000	Books and Field Work.
38.	Shri Rama Kant Jha Lecturer, Teachers' Training College, Samastipur.	A comparative study of students life in the great epics.	500	Books
39.	Shri Veda Prakasha Senior Lecturer, Government College, Sangrur.	A grammatical poem in sanskrit: A critical exposition and edition with Commentary.	500	Photostat copies and field work.
40.	Shri Shivraj, Reader, Department of Sanskrit, Kurukshetra University.	Editing and critical study of the Sankhayana Brahmana	1000	Field Work.
41.	Shri P.Sriramamurti, Lecturer, Andhra University College of Arts Commerce & Law, Waltair(A.P).	Critical Edition of Raghunathacarita	500	Books and field work.
42.	Shri A.N.Jani, Reader and Head of Faculty of Arts, M.S.University of Baroda.	A critical edition of the Sahitya Vidyadhari the earliest commentary (written in Gujarat) on Sriharasa's Naisdhiya- caritam.	500	Books and Field Work.
<u>ENGLISH</u>				
43.	Shri K.S.Parihar, Lecturer, G.S.College of Commerce and Economics, Jabalpur.	Development of the Art of Ernest Hemingway.	500	Books
44.	Shri H.G.Phansalkar, Assistant Professor, Shri Shivaji Mahavidyalaya, Barsi Distt.Sholapur Maharashtra.	Novels of Sirt C.P. Snow.	500	Books



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45.	Shri R.S.Verma, Lecturer, M.R.Engineering College, Jaipur.	Mrs.Aphsa Behn and her Novels.  <u>URDU</u>	500	Books
46.	Shri A.F.I.Usmani, Lecturer, Govt.Degree College, Tonk.	Contribution of Non- Muslims towards Urdu Literature in Rajasthan.	1000	Books and Field Work.
47.	Syed M.Rafat, Lecturer, Maharani's College, Mysore.	A survey of Deccani spoken Urdu Language in the different areas of Mysore State.	2500	Books, Manuscripts Field work and Tape Recorder.
48.	Md.Qasim Ahsan, Lecturer, Patna University, Patna.	Zahoorul Haque, Zahur of Phulwari Sharif as a poet.  <u>GUJARATI</u>	750	Books and Field Work.
49.	Shri J.M.Pate, Lecturer, Gujarat Vidyapith.	Two Dark Decades of Fiction in Gujarati. (1866-1886) <u>PUNJABI</u>	500	Books
50.	Shri Nirmal Singh, Lecturer, G.N.College Tegbahadur, Garh .	The Concept of Moksa in the Poetry of Guru Nanak in the Background of Ancient Indian Thought.  <u>BENGALI</u>		Books
51.	Shri A.K.Biswas, Lecturer, Sonamukhi College, Sonamukhi (Bankura)	The influence foreign and local on the works of Michael Madhusudan Datta , and His own Unique Achievement.	500	Books
52.	Shri S.B.Roy, Lecturer, Goenka College, Commerce and Business Administration, Calcutta University.	Sister Nivedita her contri- bution and influence on Renaissance in India specially in Bengal.	1000	Books
53.	Km.Archana Mujamdar, Lecturer, Patna University.	Treatment of Tatsama (Sanskrit Words) in Bengali literature.	500	Books
54.	Shri B.C.Ghose, Lecturer, Dinabandhu Mahavidyalaya, Bongaon.	Allegory and Symolism in Bengali literature.	500	Books

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<u>MAITHILI</u>				
55.	Shri K.L.Jha, Lecturer, Janta College, Jhangharpur.	Maithili Men Vairagi Sant Parampara Avam Laximnath Goshain.	700	Books and Field Work.
56.	Shri Ramdeo Jha, Lecturer, C.M.College, Darabanga.	Sahiva Literature in Maithili.	700	Books and field work.
57.	Dr.Lekh Nath Mishra, Lecturer, Patna College.	The history and Palaeo- graphy of Maithili Script.	500	Field Work
58.	Dr.Shailendra Mohan Jha, Lecturer, C.M.College Darbhanga.	Varna Ratnakar Kosha	500	Books
<u>ASSAMESE</u>				
59.	Shri N.P.Bordoloi, Head of the Department, B.Barooah College, Gauhati.	Treatment of nature in Assamese Poetry.	500	Books
60.	Km.Nirmali Das, Lecturer, Bajali College Pathaala Kamrup(Assam).	Development of Assamese Prose.	500	Books
61.	Dr.S.N.Sarma, Secretary, P.G.Departments, Gauhati University.	Medieval Dramas of Assam Bengal, Hithila and Nepal (14th to 18th Century)	1000	Books and Field Work.
62.	Shri Sabreswar Rajguru, Lecturer, Nowpong College, Nowpong.	Medieval Assamese Society - As gleaned from contemporary Biographical and Historical Literature (1228-1826)	1000	Books and Field Work.
63.	Parikshit Hazarika, Lecturer, Kanoi College, Dibrugarh.	The Growth and Development of the Assamese Novel.	500	Books
<u>ORIYA</u>				
64.	Shri Janaki Ballav Mohanty, Lecturer, Ravenshaw College, Cuttack.	The role of Orissan Jatras in the study the Indian Theatres.	1000	Books and Field Work.
<u>KANNADA</u>				
65.	Shri M.H.Krishnaiah, Lecturer, Government College, Bangalore.	Kannada Shataka Sahitya	500	Books

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<u>ORIYA</u>				
66.	Dr. Kanhu Charan Mishra, Senior Lecturer, Ravenshaw College, Cuttack.	The Mediaeval Religious Movements in Orissa and their impact on the life and literature of the region.	500	Books.
<u>LINGUISTICS</u>				
67.	Shri G.M. Patil, Lecturer, Government College of Arts, Aurangabad.	Language Survey of Dialects in Marathwada.	1000	Books and Field work.
68.	Shri T.N. Singh, Lecturer, Lucknow University, Lucknow.	Structure of Awadhi	500	Books
69.	Dr. D.D. Sharma, Lecturer, Panjab University, Chandigarh.	Phonology of Kumauni (with special reference to Dardo-Pahari) governing the area from Kashmir to Nepal.	1000	Books and Field work.
<u>MARATHI</u>				
70.	Shri Bhilawadikar, Shripad Ramachandra Full time Tutor in English, Paile College, (Bombay University)	Western Influence in Marathi theatre.	200	Books
71.	Shri Bapu Shamrao Kumbhojkar, Lecturer, Ramakrishna Paramhansa Mahavidyalaya, Osmanabad.	Critical Study of Mythological and Historical Dramas in Marathi.	500	Books
<u>HISTORY</u>				
72.	Shri M.N. Acharyya, Lecturer in History, Gauhati University, Gauhati.	A bibliography of Medieval Assam	1000	Books and Field Work
73.	Shri Balram Srivastava, Lecturer, Banaras Hindu University, Varanasi.	The Evolution of Cult Art in Orissa.	2000	Books and Field work.
74.	Shri J.P. De Souza, Professor, Elphinstone College, Bombay.	The symbol of the Double Headed Eagle - its origin Diffusion and Significance	1000	Books and Field work

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75.	Shri J.N.Rastogi, Head of the Deptt. Modi College, Modinagar.	'Legal, Institutions in Ancient India'.	1000	Books & Field work.
76.	Shri M.L.Kapur, Lecturer, J & K University, Jammu.	Social & Economic condi- tions in the Jammu and Kashmir State from 1885 - 1925"	1000	Field work
77.	Shri P.G.Bhatt, Reader, M.G.M.College Udipi, S.K.(Mysore State).	A study of the Architecture and sculptures of the thousand Pillared Basadi of Moodbidri South Kanara.	500	Books and Field Work.
78.	Shri Sheo Ratan Lal Verma Asstt.Professor, Government College, Khargone.	Military Organisation of the Rajputs (725 -1526)	500	Books & Field work.
79.	Shri S.K.Pandey, Assistant Professor, University of Saugar, Sagar.	A study of the Pre-historic paintings in Mahakoshal inclu- ding Bhopal and Raisen districts.	1000	Field work.
80.	Shri P.B.Gadre, Head of the Department, Ahmednagar College, Ahmednagar.	Socio-Ecnomic and Archaeo- logical Survey of Ahmednagar City.	1000	Field work
31.	Shri N.B.Sarkar, Kharagpur College, Kharagpur.	Cultural contact of Bengal with Greater India.	1000	Books and Field work
32.	Dr.S.P.Sangar, Panjab University, Chandigarh.	Hindu Social life in Mughal India	1000	Books and field work.
33.	Shri Prakash Shukla, Lecturer, Birla Institute of Technology & Science, Pilani.	Indo -Pakistan Relations (1956- 60 )	500	Books and Field work
34.	Shri R.S.Avasthi, Christ Church College, Kanpur.	Bramanical Inconography at Khajuraho with reference to Siva,Sakti Brahma and other dieties".	500	Books and Field Work.
35.	Shri L.K.Tripathi, Lecturer, Banaras Hindu University, Varanasi.	Evolution of Temple Archi- tecturer in Northern India.	1000	Field work
36.	Shri Z.L.Jala, Lecturer, Jammu & Kashmir University, Srinagar.	Social and Economic con- ditions in the Jammu & Kashmir State from 1846 to 1885 A.D.	500	Field work.

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		<u>MUSIC</u>		
87.	Dr. K.M. Verma, Reader, Rabindra Music and Dance, Sangita Bhavana, Santiniketan, West Bengal.	Collection of the Kathakali Dance Tech. Terms in Malayalam From the Masters Pesiding in Kerala.	1000	Field work
88.	Mrs. Madhuvani Mukund Mirashi Head of Music Department, S.N.D.T. College, Queens Road, Bombay-1.	The nature of Musical Expression.	500	Equipment and Field work.
		<u>FINE ARTS</u>		
89.	Smt. Sita Sharma, Lecturer, in Drawing & Paintings, Meerut College, Meerut University.	Krishna Legend in Rajasthani Paintings.	300	Field work
		<u>POLITICAL SCIENCE</u>		
90.	Shri J. Bandyopadhyaya, Reader, Jadavpur University, Calcutta-32.	Politics in a Developing Society, India a case study.	1000	Field Work.
91.	Shri K.L. Kamal, Lecturer, Rajasthan University, Jaipur.	Evolution of Political Parties in Rajasthan.	500	Field work.
92.	Shri M. Chatterjee, Lecturer, K.C. College, Hetampur, (West Bengal).	Problems and prospects of Panchayat, System in West Bengal.	500	Books & Field Work.
93.	Shri P. Natarajan, Lecturer, Sir Theagaraya College, Madras.	Panchayat Administration in Tiruvalur Taluk (Madras State).	500	Books & Field work.
94.	Shri Vishnpo Bhagwan, Lecturer, Government College, Rohtak.	Municipal Government and Politics at Rohtak.	500	Books & Field work.
95.	Shri H.T. Ramakrishna, Lecturer, Kalpataru College, Tiptur.	An Exploratory Study of Nonvoting.	1000	Books and Field Work.
96.	Shri R.P. Singh (Head) R.S. College, Tarpur (Monghyr) Bihar.	The organisation and the working of District Boards in Bihar.	500	Books and field work.

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97.	Shri R.N.Jha, Lecturer, Indian School of International Studies, New Delhi.	The U.S.A. and the Kashmir Problem : A case study in a great Power's attitude to- wards Localised conflict.	500	Books & Field Work.
98.	Shri K.S.Lal, Lecturer, B.N.College, Patna.	People & Government of Federation Malaya (Malayaia).	250	Books & Field Work.
99.	Shri Vishnu Prasad, (Head) Gaya College, Gaya.	Nature and working of Indian Administration Tribunals with special reference to Bihar.	300	Books and Field work.
			<u>LAW</u>	
100.	Shri P.Goplakrishnan, Lecturer, Lucknow University, Lucknow.	An Enquiry into the Nature Genesis & Causes of Bank Disputes & How far the Awards has settled it so as to ensure industrial peace and harmony.	500	Books and Field Work.
101.	Dr.A.T.Markose, Prof.& Head of the Deptt. of Law University Centre, Ernakulam.	The Preparattion of a Source book on Kerala Land Tenures.	500	Books and Field Work.
		<u>ECONOMICS</u>		
102.	Shri A.A. Siddiqi, Reader, Aligarh Muslim University, Aligarh.	Indian Economic Thought in the 19th Century.	500	Books.
103.	Shri A.V.Rangachari, Lecturer, Annamalai University, Annamalainagar.	Rent Theory and Pattern of Rent in Madras State.	500	Books & Field Work.
104.	Shri R.Sankararamalingam, Lecturer, Annamalai University, Annamalainagar.	Economics and Banana Cultivation in Madras State.	500	Books and Field work.
105.	Shri D.N.Prasad, Professor, Vardhamen College, Bijnor.	External Resources in Economic Development of India.	500	Books and Field work.
106.	Dr.Balasubramanian, Reader, Annamalai University, Annamalainagar.	Saving & Capita formation among working class in the organised sector in Madras State since 1951 with ref. to some selected large scale industries.	500	-do-

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107.	Dr.M.H.Patel, Professor and Head V.S.Patel-College of Arts & Science, Bilimora	Agricultural productivity input output Analysis in Agricultural production with special reference to Bulsar District (Gujarat State)	500	Field Work.
108.	Shri G.D.Kulkarni, Assistant Professor Gokhale Institute of Economics, Poona.	Trade Associations in India.	750	Books and Field work.
109.	Shri S.N.Chaturvedi Lecturer, M.L.B.College, Gwalior.	Economic aspects of Man Made Fibre Industry in India.	500	Field work.
110.	Shri N.P.Vyas, Reader, Gujarat Vidyapith, Ahmedabad.	Determinants of cropping pattern W.s.r. to two districts of Gujarat State.	570	Books & Field Work.
111.	Shri B.R.Mahadeo, Lecturer, Dr.B.A.College of Arts Science & Commerce, Mahad Kolaba.	A socio Economic Study of the Families of coppersmiths in Kolaba District, Maharashtra	500	Books
112.	Shri J.Denaid Somasundram, Lecturer, Deptt.of Business Management & Industrial Administration, University of Delhi.	The Study of Management through systems analysis and systems an applications of the approach to the Chemical Industry.	750	Books and Field Work.
113.	Dr. Abad Ahmad, Reader, Deptt.of Business Manage- ment & Industrial Adminis- tration, University of Delhi.	Survey of Management Prac- tices in selected Indian Industries.	750	Books and field work.
114.	Dr. J.K. Jagan, Reader & Head of the Deptt. of Post graduate studies & Research in Commerce Manangotri, University of Mysore.	A study of the working of the Regulated Market Mysore.	500	Field work.
115.	Shri Sami Uddin, Lecturer, Department of Commerce, Aligarh Muslim University.	A critical study of cooperative farming with reference to Aligarh District.	500	Field work.
116.	Sh.H.K.N.Mishra, Lecturer, Deptt.of Commerce & Hausa, Administration, Allahabad University.	Financing of new companies in India.	200	Field work.

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117.	Shri Mahesh Chandra, Lecturer, Ramjas College, Delhi.	Nationalised Road Transport in U.P.	300	Books & Field work.
<u>SOCIOLOGY</u>				
118.	Dr. V.S. Sharma, Lecturer, Government College, Baran.	A study into the utilisation of the Manpower of students.	500	Field work
119.	Prof. V.S. Vanikar, Principal, B.Ed. College, Bhavnagar.	Survey of Top Ranking students (as judge from their examination result of 1967) of different classes from S.S.C. (Gujarat Board) to the First Degree Exam. of Gujarat University with reference to their I.Q. Methods of study Environmental condition, Health etc.	1000	Books and Field work.
120.	Leela Dube, Assistant Professor, Saugar University, Sagar.	Impact of Islam on mitriliny in Laccadives and Kerala.	1000	Field work.
121.	Shri Gadadhar Mohapatra, Khallikote College, Berhampur.	Sadha Saoras (A study on Hinduization of a Tribal Community in Orrisa).	500	Books and Field Work.
122.	Mrs. Chandra Bharill, Lecturer, Malviya Regional Engineering College, Jaipur.	Social and Political Ideas of Dr. B.R. Ambedkar.	500	Books and Field Work.
<u>PHILOSOPHY</u>				
123.	Shri B.N. Kar, Lecturer, Utkal University, Bhubaneswar.	The theories of error in Indian Philosophy.	500	Books
<u>EDUCATION</u>				
124.	Miss Gita Bose, Lecturer in Education, Calcutta University, Science College, Calcutta.	Backwardness in Tibetan Children (Darjeeling, West Bengal).	500	Books
125.	Sh. Ghulam Rasool, Instructor, Education Department, Gorakhpur University.	A study of leadership amongst youth in our Secondary schools.	500	
126.	Sh. Brijesh Kumar Gumashta, P.G.B.T. College, Ujjain.	Missions to Indian Education from 1800 to 1900.	500	Books and field work.



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127.	Shri Govind Narain Bhardwaj, Lecturer, S.S.G.T.T.College, Jaipur.	Effectiveness of concepts in Mathematics in the higher secondary curriculum.	750	Books & field work.
128.	Shri S.M.Mosavi, Head of Education Department, Shibli National Degree College, Azamgarh (U.P.)	An investigation into the attitudes of undergraduates girls of Azamgarh District towards marriage and teaching professions.	500	Books and Field work.
129.	Sh.S.M.Aggarwal, Lecturer, Govt.Training College, Solam(H.P.)	Evaluation of the Higher Secondary(Core)curriculum in Mathematics of the Panjab University in terms of content and objectives.	750	Books and field work.
130.	Sh.Pramod Kumar Jain, Lecturer in Education, Meerut College, Meerut.	A study of the personality Traits of Pupils who are socially accepted socially neglected and socially rejected.	300	
<u>PSYCHOLOGY</u>				
131.	Shri Beer Singh, Lecturer, D.Jain College, Baraut.	Development of F and K Validatory scales and Pt.Sc.D.Pa, Ma clinical scales of the M.M.P.conditions	500	Books and field work.
132.	Shri Jaladhar Mullick, Lecturer in Psychology, M.B.B.College,Agartala, Tripura.	Structure of Sterotypes of the Tribal and non-tribal students of Tripura.	500	Books and field work.
133.	Miss Santi Das, Lecturer, Rammohan College, University of Calcutta.	The Role of social maturity over educational achievements of School Children.	750	Books
134.	Sh.Lala Indu Bhushan, Lecturer, Department of Psychology, Bhagalpur University.	To study the relationship between certain personality correlates and indicated preference for democratic and authoritorial types of leadership.	500	Books and filed work.
<u>LIBRARY SCIENCE</u>				
135.	Sh.Vasant Vishnu Nulkarni, Head of the Department of Library Science, Nagpur University.	Academic Library system of Maharashtra State.	500	Books and field work.

EXTENSION IN THE TENURE OF AWARD GRANTED TO THE AWARDEES  
UNDER THE SCHEME OF 'UTILISATION OF THE SERVICES OF  
RETIRED TEACHERS'.

S.No.	Name of the Awardee and Centre of Work.	Subject	Period of Extension	
			From	to
1.	Prof. S.K. Ghosh Patna University.	Engineering and Technology.	16.2.1967	15.2.1968
2.	Shri A.P.A. Brito Muthunayagam, Kerala University.	Agricultural Chemistry	1.4.1967	31.3.1968
3.	Shri E.J. Verghese, Agricultural College, Vellayani.	Agriculture	15.3.1967	14.3.1968
4.	Shri K. Srinivasachari Annamalai University.	Sanskrit	10.4.1967	9.4.1968
5.	Shri K. Venkataramappa, Mysore University.	Kannada	6.4.1967	5.4.1968
6.	Sri T.S. Shama Rao, Mysore University.	Kannada	5.3.1967	4.3.1968
7.	Shri A.A.A. Fyzee, Bombay University.	Law	7.4.1967	6.4.1968
8.	Dr. M.M. Bhattacharya, Rabindra Bharati.	English	1.4.1967	31.3.1968
9.	Shri R.N. Chaudhuri, Allahabad University.	Mathematics	1.4.1967	31.3.1968
10.	Prof. D.D. Vadekar, Poona University.	Philosophy	20.6.1967	19.6.1968
11.	Shri D.J. Narasimhachar Mysore University.	Kannada	1.4.1967	31.3.1968
12.	Dr. S.L. Katre, Vilvam University.	Sanskrit	1.4.1967	31.3.1968
13.	Dr. J.D. Tewari, Allahabad University.	Chemistry	1.4.1967	31.3.1968
14.	Shri S. Sangeetha, Mysore University.	Sanskrit	4.4.1967	3.4.1968
15.	Prof. G.C. Basu, Rabindra Bharati	Bengali	9.4.1967	8.4.1968
16.	Shri G.P. Rajaratnam, Central College, Bangalore.	Kannada	1.4.1967	31.3.1968
17.	Shri M.P. Srivastava, Allahabad.	Physics	1.7.1967	30.6.1968
18.	Dr. A.C. Sen, Ranchi University.	Zoology	20.7.1967	19.7.1968

EXTENSION IN THE TENURE OF AWARD GRANTED TO THE AWARDEES  
UNDER THE SCHEME OF 'UTILISATION OF THE SERVICES OF  
RETIRED TEACHERS'.

S.No.	Name of the Awardee and Centre of Work.	Subject	Period of Extension	
			From	to
1.	Prof. S.K.Ghosh Patna University.	Engineering and Technology.	16.2.1967	15.2.1968
2.	Shri A.P.A.Brito Muthunayagam, Kerala University.	Agricultural Chemistry	1.4.1967	31.3.1968
3.	Shri B.J.Vorghese, Agricultural College, Vellayani.	Agriculture	15.3.1967	14.3.1968
4.	Shri K.Srinivasachari Annemalai University.	Sanskrit	10.4.1967	9.4.1968
5.	Shri K.Venkataramappa, Mysore University.	Kannada	6.4.1967	5.4.1968
6.	Sri T.S.Shama Rao, Mysore University.	Kannada	5.3.1967	4.3.1968
7.	Shri A.A.A.Fyzee, Bombay University.	Law	7.4.1967	6.4.1968
8.	Dr. M.M.Bhattacharya, Rabindra Bharati.	English	1.4.1967	31.3.1968
9.	Shri R.N.Shauchuri, Allahabad University.	Mathematics	1.4.1967	31.3.1968
10.	Prof. D.D.Vadekar, Poona University.	Philosophy	20.6.1967	19.6.1968
11.	Shri D.J.Perasimhachar Mysore University.	Kannada	1.4.1967	31.3.1968
12.	Dr. S.L.Katre, Wilkam University.	Sanskrit	1.4.1967	31.3.1968
13.	Dr. J.D.Tewari, Allahabad University.	Chemistry	1.4.1967	31.3.1968
14.	Shri S.Kangekar, Mysore University.	Sanskrit	4.4.1967	3.4.1968
15.	Prof. G.C.Basu, Rabindra Bharati	Bengali	9.4.1967	8.4.1968
16.	Shri G.P.Rajaratnam, Central College, Bangalore.	Kannada	1.4.1967	31.3.1968
17.	Shri M.P.Srivastava, Allahabad.	Physics	1.7.1967	30.6.1968
18.	Dr. A.C.Sen, Ranchi University.	Zoology	20.7.1967	19.7.1968

S.No.	Name of the awardee and Centre of Work.	Subject	Period of extension	
			From	To
19.	Shri Lalji Ram Shukla, Kashi Vidyapith, Varanasi.	Education	10.8.1967	9.8.1968
20.	Dr.G.D.Rasheed, Osmania University.	Persian	8.6.1967	7.6.1968
21.	Dr.M.V.Krishna Rao, A.P.College of Arts Commerce and Science, Bangalore.	Political Science.	1.7.1967	30.6.1968
22.	Dr.K.K.Sharma, Meerut College, Meerut.	Commerce	1.7.1967	30.6.1968
23.	Prof.S.S.Bhawe, Bombay University.	Sanskrit	17.3.1967	16.3.1968
24.	Shri K.Balarama Panicker, Kerala University.	Sanskrit	22.7.1967	21.7.1968

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RESEARCH SCHOLARSHIPS - ALLOCATION  
FOR THE YEAR 1967 - 68.

S.No.	University	No. of Scholarships allocated
1.	Agra	5
2.	Aligarh	10
3.	Allahabad	12
4.	Andhra	12
5.	Annamalai	8
6.	Banaras	12
7.	Bangalore	6
8.	Baroda	8
9.	Bhagalpur	2
10.	Bihar	2
11.	Bombay	8
12.	Burdwan	6
13.	Calcutta	15
14.	Delhi	12
15.	Dibrugarh	2
16.	Gauhati	3
17.	Gorakhpur	3
18.	Gujarat	2
19.	Indore	2
20.	Jabalpur	4
21.	Jadavpur	5
22.	Jammu & Kashmir	4
23.	Jivaji	2
24.	Jodhpur	2
25.	Kalyani	2
26.	K.S.Darbhang Sanskrit Vishvavidyalaya	1
27.	Karnatak	8
28.	Kerala	8
29.	Kurukshetra	4
30.	Lucknow	10
31.	Madras	15
32.	Madurai	6
33.	Magadh	2
34.	Marathwada	2
35.	Meerut	2
36.	Mysore	10
37.	Nagpur	6
38.	North Bengal	2
39.	Osmania	8
40.	Panjab	12
41.	Patna	6
42.	Poona	10
43.	Panjabi	4
44.	Rabindra Bharti	1
45.	Rajasthan	8
46.	Ranchi	2
47.	Ravi Shankar	2
48.	Roorkee	4
49.	Sardar Patel	4
50.	Saugar	6
51.	Shivaji	2
52.	Sri Venkateswara	6
53.	Udaipur	4
54.	Varanaseya Sanskrit Vishvavidyalaya	2

S.No.	University	No.of scholarships allocated
55.	Vikram	3
56.	Visva Bharati	2
57.	Kashi Vidyapeeth	1
58.	Birla Institute of Technology & Science, Pilani.	4
59.	Gujarat Vidyapith	2
60.	Utkal	2
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	Total	320
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Annexure I to Item No.2(a-38).

HUMANITIES SECTION

ESTABLISHMENT OF HOBBY WORKSHOP

Name of the University	Date of approval	Year of appointment of the staff	Date upto which recurring assistance may be provided.	Remarks
1	2	3	4	5
1. Aligarh Muslim University.	8.7.1959	1959-60		Being finalised
2. Baroda University.	17.11.1959	1961-62		being Finalised
3. Delhi University	25.3.1960	1960-61		Recurring grant has been paid in full.
4. Nagpur University.	10.6.1958	1961-62		Final instalment of Rs.1000/- is to be paid.
5. Poona University.	19.9.1958	1960-61		Recurring grant has been paid in full.
6. Roorkee University.	22.3.1960	1961-62		Being finalised.
7. Saugar University.	14.6.1958	1959-60		Recurring grant has been paid in full.
8. Sri Venkateswara University.	3.7.1959	1961-62		Being finalised.
9. Annamalai University.	4.5.1965	Not appointed		) ) ) ) Upto the end of IV Plan.
10. Banaras Hindu University.	13.8.1963	-do-		
11. Gujarat Vidyapith.	8.9.1964	-do-		
12. Jadavpur University.	31.1.1963	-do-		
13. Karnatak University.	25.5.1964	1965-66	1969-70	
14. Nashi Vidyapith.	31.X.1964	Not appointed		Upto the end of 4th Plan
15. Madras University.	12.2.1959	1963-64	1967-68	
16. Rajasthan University	7.2.1962	1965-66	1969-70	
17. Visva Bharati.	16.11.1959	Not appointed		Up to the end of 4th Plan.

Record of discussion with Shri L.R. Nair, Director,  
Institute of Mass Communication and Shri Shankar  
Narain, Audio-visual Department NCERT.

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The Commission, at its meeting held on May 3, 1967 desired that the question whether the facilities now provided by the University Film Council could be provided by the department of Audio-Visual Education of the NCERT or the institute of Mass Communication be further examined. In pursuance of this decision, the Chairman, Secretary, Joint Secretary and D.O.(H) had a discussion with Shri L.R. Nair Director, Institute of Mass Communication, New Delhi and Shri Shankar Narain, officiating Head of the department of Audio-Visual Education of the NCERT in the U.G.C. office on June 17, 1967.

At the outset, the Secretary gave background information about the origin and the activities of the University Film Council since its inception in 1959 and of the events leading to the Commission's resolution's cited above.

Mr. Nair said that the Institute of Mass Communication would be happy to take over this programme if necessary funds were provided for the purpose by the Government (Ministry of Information & Broadcasting). Mr. Nair also felt that it should be possible to have assistance from the UNESCO and other national and international voluntary organizations for such a programme.

A view was expressed that association of the Institute of Mass Communication with the activities pursued so far by the University Film Council would be welcomed by the universities especially in view of the fact that the Institute was doing work in the field and would soon be a part of the proposed Nehru University.

Shri Shankar Narain said that the department of Audio-Visual Education of the NCERT had more than 4,000 titles of films and about 6,000 prints in its library and about 10% of these films would be suitable for university audiences. In fact the Film Council used to borrow from them heavily the films they supplied to the universities and they could directly supply the needs of universities if finances were provided.

Mr. Nair kindly agreed to prepare a brief note on the organizational set up and financial resources which would be required by the Institute of Mass Communication in the event of its providing facilities now provided by the University Film Council.

The Chairman said that it would be important to find the reaction of the users to the programmes sponsored by the University Film Council. The question of funds was important but more important was the worthwhileness of the whole programme. He suggested that a sample study be made of the implementation of the scheme, including students' reactions in the universities of Delhi, Panjab and Aligarh. The study may also assess: (a) the kind and level of the activities pursued by the University Film Clubs in these universities with the cooperation of the University Film Council and independently (b) whether it is desirable to develop this activity further on its merits and (c) the resources and the organization that would be needed to implement the programme for the next five years.

It was agreed that this study may be conducted at an early date jointly by the University Grants Commission and the Institute of Mass Communication and department of Audio-Visual Education of NCERT.



UNIVERSITY GRANTS COMMISSION

Meeting:

5th July 1967

Item 2(b) : To receive items of information

- (1) Payment of honorarium to Principal Investigators of the Research projects financed from the U.S. Portion of P.L. 480 Funds (K-104).

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The University Grants Commission has been concerned with the co-ordination of Agricultural Research Projects sponsored by the Universities under the Programme of U.S. P.L. 480 (Section K-104) Funds, through the Government of India in the Ministry of Food and Agriculture. The University teachers who as Principal Investigators of the research projects were being paid allowance/honorarium in lieu of the time devoted by them for carrying out the research work in terms of the respective grant agreements. These allowances were drawn by the Principal Investigators in addition to their regular salary as full time members of the academic staff of the Universities.

The Ministry of Food and Agriculture informed vide their letter No. F. 15-21/65-FAN dated: 29th September, 1966 that the question of grant of such honorarium etc., was examined by the Ministry of Finance, Government of India, who after obtaining the views of the Ministry of Education decided that grant of honorarium in addition to the payment of salary to the Principal Investigators of research projects was not justified and should not be encouraged. However, on representation from the Principal Investigators the question was re-examined by the Ministry of Food and Agriculture and it has now been decided that in case of the research projects where the grant agreements had been signed prior to the decision of the Ministry of Finance, the Principal Investigators may be allowed to draw the honorarium. In case of the new research projects, the provision of payment of honorarium to the Principal Investigators is not to be made in the grant agreements. The U.S. Department of Agriculture has been asked to note the decision.

- (2) Visit of Prof. H.J. Habakkuk of the All Souls College, Oxford to the Centre of Advanced Study in Economics, University of Delhi.

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Prof. H.J. Habakkuk, Professor of Economic History, All Souls College, Oxford University visited the Centre of Advanced Study in Economics, University of Delhi, Delhi during the period November 1966 to January 1967, under the programme of British Assistance to the Centres of Advanced Study in Indian Universities. A copy of the report submitted by Prof. Habakkuk at the conclusion of his programme of visit is attached as Annexure I.

- (3) Visits of Dr. David T. Gauld, Lecturer in Zoology, University of Aberdeen and Mr. Keith R. Dyer, Lecturer in Physical Oceanography, Southampton University to the Centre of Advanced Study in Marine Biology, Annamalai University, Porto Novo.

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Dr. David T. Gauld, Lecturer in Zoology, University of Aberdeen, U.K. and Mr. Keith R. Dyer, Lecturer in Physical Oceanography, Department

of Oceanography, Southampton University visited the Centre of Advanced Study in Marine Biology, Annamalai University, Porto Novo during the period September-December, 1966 and January-March, 1967 respectively under the programme of British Assistance to the Centres of Advanced Study in Indian Universities.

At the conclusion of their programme of visits, Dr. Gauld and Mr. Dyer have submitted their reports which are enclosed as Annexure I and II respectively.

- (4) Visit of Shri S.A. Hussainy, Scientist, National Aeronautical Laboratory, Bangalore to U.K. under the programme of Exchange of Younger Scientists between India and United Kingdom.

Shri S.A. Hussainy, Scientist, National Aeronautical Laboratory, Bangalore visited United Kingdom during the period September to December, 1966 under the scheme of Exchange of visits by Younger Scientists between India and United Kingdom. During his stay in United Kingdom, Shri Hussainy had an opportunity to discuss the scientific and engineering activities in his field of study viz. "Creep of Air-craft Structure" at the following institutions:-

1. Royal Aircraft Establishment, Farnborough.
2. National Gas Turbine Establishment, Pyestock.
3. British Non-Ferrous Metals Research Association, London.
4. Imperial College of Science & Technology, London.
5. The City University, London.
6. Bristol Siddley Engine Limited, Bristol.
7. British Aircraft Corporation (Operating) Limited, Bristol.
8. Bristol University.

At the conclusion of his visit to United Kingdom, Shri Hussainy has submitted a report of the work done by him which is enclosed as Annexure I.

- (5) To receive a note on the University of California Professional Schools Indian Study Project.

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The United States Information Service, New Delhi has sent a note on the University of California Professional Schools Indian Study Project (Annexure I). The group is arriving in India in September this year. The coordinator of the Project, Prof. Roadermel, will be arriving in July.

- (6) Joint Secretary's discussions with educational experts in U.S.A.

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Joint Secretary, University Grants Commission had an opportunity of visiting some centres of study and research in higher education in the United States, recently, on his way back to India from the East West Center at Honolulu, where he had been participating in the Senior Specialists programme of the Center for a period of 6 months. These included the Center for Research and Development in Higher Education, University of California, Berkeley and Stanford International Development Education Center, Stanford University. He also has had opportunities of discussing problems of higher education with Prof. Elizabeth Weiss of Berkeley and Prof. Paul R. Hanna and his colleagues of Stanford University (where he participated in a conference on Education for Development and presented the Indian point of view). Joint Secretary was further able to have talks with Prof. Algo Henderson of the Center for Study of Higher Education, University of Michigan, Ann Arbor and with Prof. Cole S. Brembeck of the faculty of Education, Michigan State University, East Lansing.

The above Centers represent, apart from the Teachers' College, Columbia University, a new movement in the field of educational research. A most significant feature of the work being done in these places is that it pertains to research on educational problems in a multi-disciplinary context. Educational problems are viewed in their social setting and not as problems in themselves to be viewed merely in the light of accepted canons of educational theory and practice. Thus the research programmes undertaken by the above Centers represent a collaborative effort on the part of specialists in Education, Economics, Political Science, Sociology, Psychology etc. who constitute the faculty of these Centers. It may also be mentioned that all of them are deeply interested in the educational experiments and experiences of the developing countries and realise that they represent an extremely important area of study. They also realise that no real progress can be made in these countries without an imaginative adaptation of educational ideas to suit their economic, political and sociological realities.

In Joint Secretary's discussions with experts working in these Centers, it became evident that they were highly interested in associating themselves with the educational studies being done in selected universities or in institutions like the University Grants Commission. It also seemed that financial requirements for such a cooperative effort could be found from Foundations interested in educational research.

Report on the visit of Prof. H. J. Habakkuk to Centre  
of Advanced Study in Economics, University of Delhi.

I found the Delhi School of Economics a well planned and well organised institution. The five senior members of its staff are all scholars of distinction, and they have an able supporting staff. Courses are well designed to produce trained economists and I got the impression that the students were of high quality. The School supplies economists to other universities and in this way has raised the level of economic teaching elsewhere in India. It is also a source of administrators. In both ways it exercises a very wide influence and is therefore an institution which very much deserves support.

It is a particularly pleasant and stimulating place for a visitor. The relations between the members of the staff are very good and I saw no signs of acrimonious competition between representatives of the various branches of the subject. Most of the teachers are young and they are very conscious of their responsibilities to their students and to Indian economics in general. They gave me a very friendly reception and it is possible very rapidly to feel at home. I was fortunate in that my first Sunday in Delhi coincided with the students annual picnic, an occasion which provided a quick method of getting to know the students (though at the cost of participation in some rather strenuous games).

While I was there I delivered two lectures a week on the Industrialisation of Europe to an audience which consisted partly of economists and university teachers from the constituent colleges of the university, and partly of graduate students of the School. I also conducted a seminar on problems of industrialisation in which I had the advantage of the collaboration of Professor Nakagawa from Tokyo and of Professor Gorchakov from Leningrad. Despite the difference of ideology between the latter and the rest of the seminar our discussions were very friendly and I believe useful. I also had informal discussions with some students about their research.

Towards the end of my stay the director of the School organised a three-day All India Seminar on Economic History. This was attended by over twenty economists and economic historians from other universities in India and by a number of historians, economists and sociologists from Delhi. We discussed three major topics, demographic history, land tenure and quantitative economic history. In the morning of each day I introduced the subject with a discourse on the methods and conclusions of recent European work in the field and we had a discussion which concentrated mainly on Europe. Then in the afternoon we considered Indian problems in the same field and the extent to which the methods evolved in Europe were relevant to the Indian experience. There is, of course, much that is unique about the problems of Indian economic development and there are considerable differences in the Indian and European sources. Despite these differences, or perhaps because of them, the exchange of views at this seminar was lively and exhilarating. The Indian scholars participated vigorously and the general level of argument was very high. The non-Indian members of the seminar certainly got a great deal out of the discussions, and I should like

to think that the gathering will have some long term effects and will stimulate a certain amount of new research in Indian economic history and possibly the adoption of new approaches. Any later visitor to the School, will, I hope, be given a similar opportunity of coming rapidly into contact with a substantial number of scholars from other universities.

I also spent five days at Madras where I took three seminars, gave a lecture and met the teachers of economics and history from the various colleges. I paid shorter visits to Aligarh and Jaipur - both of which have very good departments of economics and history. In the time available I do not think I could have gone to more universities, but I should like to stress, for the benefit of any successor that if he wants to visit other universities he should start making plans early and should probably take active steps, before his arrival, to advertise the fact that he will be in India. It would also be a good plan for him to ascertain the date of the annual meeting of the Indian Economic Association. This took place in 1966 during the Christmas vacation at Calcutta, but I did not hear of it until it was too late to attend.

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Report by Dr. David T. Gauld

1. Report of the Work done

I arrived at Porto Novo on 28th September and stayed there until 8th December (10 weeks). After some preliminary work, it became clear that, because of the heavy rains and consequent strong flow of the River Vellar, the estuarine plankton community had been washed out of the river and my original plans to study relationship between the phytoplankton and zooplankton in this community had to be abandoned. In their place, I decided to concentrate on a series of measurements of the respiratory rates of planktonic crustaceans and most of my time was spent on this investigation. A total of 88 respiration measurements was made on 10 species of crustaceans. The results have not yet been fully evaluated but cursory examination suggests that the rates of respiration found are approximately those that one would expect from organisms of the size studied at the high temperatures prevailing in South Indian waters.

In addition some interesting though incomplete observations were made on the feeding behaviour of some of the planktonic animals. Some time was spent in valuable discussions with research scholars and others at the laboratory.

Four lectures were given to the staff and students on productivity in the sea.

2. Impressions of the Laboratory

The Marine Biological Station has bigger laboratories than I expected and it is well equipped; I was particularly impressed by the equipment for chemical investigations but there is good equipment for hydrographic and other field work. While my own experience of the Vellar Estuary was disappointing, it is clearly an area of considerable interest and, from what I was told, the river was more persistently high during my stay than is usual, so that conditions were unusually bad during my stay.

The work being done in the Marine Biological Station covers a wide field and I am not competent to assess it except in general terms. Some of the work can be traced, in part at least, to the stimulus of earlier visiting specialists who had been at Porto Novo. At first sight there seems to be very little connection between the different projects which are being carried out and that there is no co-ordinated programme of research for the laboratory as a whole. However, this criticism is only partially applicable because a co-ordinated programme is taking shape and in the long run it may well be more profitable to build up the laboratory's work gradually in this way.

This criticism also overlooks a more fundamental issue. If after so short a stay in India, I may comment more generally on what I saw in other laboratories as well as in Porto Novo, it seems to me that one of the greatest weaknesses among Indian biologists lies in their dependence on their teachers and superiors (in age and status). This may have deep roots in the Indian education system but part of the trouble seems to lie in their university training. Indian students come to

university very young (by British standards) and their work has to be closely supervised. Unfortunately the habit of close supervision by the teacher and dependence by the students tends to be prolonged into their later studies. The deference to authority which is a result of this can too easily frustrate true scientific work.

What many young Indian biologist seem to need is not more technical expertise, or familiarity with new methods, valuable as these may be, but the habit of looking critically at any statement, whoever makes it, and of formulating questions for themselves. I think Professor Seshaiyah is aware of the importance of this and much of his teaching is directed to instilling into his students a critical and self-reliant attitude. The rather loose organisation of work at the Marine Biological Station is the natural outcome of this approach to the training of scientists. I believe that here Professor Seshaiyah is making a most valuable contribution to Indian scientific progress.

Report by Mr. K.R. Dyer

The visit, part of an exchange scheme with the Department of Oceanography, Southampton University, lasted from 6th January to the 21st March, 1967. The period until the 27th February was spent at the Marine Biological Station, Porto Novo, where a programme of research was undertaken. This consisted of a series of measurements of salinity, temperature and tidal current in the Vellar estuary. These measurements were carried out over a complete tidal cycle to enable calculation of the instantaneous distribution of salinity and temperature and the mixing processes caused by the tidal flow. These are the basic factors in the distribution of the chemical, biochemical and physiological parameters which govern the ecology and productivity of organisms in the estuary. Measurements were completed at several periods and the data is still under analysis, but it is hoped a joint publication will appear shortly.

A salinometer from the Department of Oceanography, Southampton University, was used for the survey together with a current-meter belonging to the Biological Station. It is intended that the programme of measurements should be continued for at least a year and a salinometer has been acquired by the Biological Station and a research student put on to the work. In view of the lack of a trained physical oceanographer on the staff, however, he may not receive adequate supervision. The appointment of a physical oceanographer would enable this project and the other facets of physical oceanography within the station to be developed. This is considered desirable.

The facilities on the whole were adequate for the work, but some trouble was experienced with the current-meter and this brought out the lack of tools and workshop facilities necessary for the proper maintenance of scientific instruments. The equipping and staffing of a small workshop is considered to be essential for the development of the research and teaching work at the Station, and would allow the development and manufacture of some instruments at present unobtainable in India.

The installation of a tide gauge was put in hand and a large scale map of the estuary acquired and brought up to date for recent changes of position of the mouth of the estuary. These are essential for any studies of tidal changes on organisms and quantitative distribution studies and should be very useful in the future.

For extended visits it is felt that the University Guest House at Annamalai is rather inconvenient. Though the provision of visitors' rooms in the new hostel and eventually a guest house at Porto Novo is noted, considerable apprehension is felt concerning the lack of any facilities at Porto Novo for extramural interests. This could be alleviated by provision of some social facilities to go with the new student hostel; for instance a lounge with wireless and a small fiction library, and perhaps table tennis and darts. During extended work regular trips to Madras and a hill station, such as Kodaikanal, are necessary for mental and physical relaxation. Also for any work to be continued over the hot season the provision of air conditioning in the laboratory would make life more tolerable to a visitor.



The present research vessel 'Medusa' suffers from the inability of the helmsman to operate the engine, which makes manoeuvring different and for work at night a small searchlight is necessary. The contemplated purchase of a small trawler/motor-boat should facilitate physical oceanography operations and the necessary extension of all studies into the coastal and continental shelf regions.

I thoroughly enjoyed my stay at Porto Novo and found every possible help being offered me and consequently we were able to complete a very full initial programme of research. As far as the existing research is concerned, I am not qualified to pass an expert opinion on biological work, but I felt that the standard of research in general is quite high and that some very useful work is being undertaken. The great diversity of interests in some ways is quite stimulating, but better coordination in the research activities would provide more purpose and prevent workers becoming isolated in specialization. I hope that the joint exchange of research personnel with Southampton will help weld the various facets into a unified, dynamic programme.

During the final three weeks of the visit the opportunity was welcomed of being able to attend the symposium on the Indian Ocean at Delhi, giving an insight into the amount and quality of oceanographic work in India, which is quite impressive. As always, by far the most useful part of the symposium was the social contact and exchange possible outside the lecture hall. Also certain other University Departments and government establishments were visited where discussions were held and lectures given, including the Department of Marine Biology and Oceanography at the University of Kerala, the Departments of Zoology at Delhi and Madurai, the Indo-Norwegian Fish Project, the National Institute of Oceanography and the Naval Physical Oceanography Laboratory at Cochin and the Babha Atomic Research Centre. In all but the latter two establishments there was a critical lack of essential instruments which can be overcome only by the training and employment of electronics engineers for their development and manufacture, especially for the University sphere. In spite of this drawback, it was felt that a considerable amount of very useful academic and economic research was being carried out.

REPORT TO THE UNIVERSITY GRANTS COMMISSION ON THE WORK  
DONE IN UNITED KINGDOM UNDER THE SCHEME OF EXCHANGE OF  
VISITS BY YOUNGER SCIENTISTS BETWEEN INDIA AND U.K.  
BY SHRI. S.A. HUSSAINY

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1. INTRODUCTION

In view of the importance of the growing aeronautical industry in India, with due emphasis on the development of supersonic aircraft, the National Aeronautical Laboratory envisages investigation of the behaviour of Aircraft materials and components when subjected to creep loading, which includes development of testing techniques and theoretical analysis.

To get some experience in the field of creep of aircraft structures, it was considered desirable to depute a person with suitable aeronautical background to work in a well established institution so that the training would be useful in the development of the National Aeronautical Laboratory. As I had the necessary aeronautical background and interest in the subject of creep, I was sponsored under the scheme of exchange of visits by younger scientists between India and U.K. to work at the Bath University of Technology, Bristol, where some useful work was being done on studies relating to creep of aircraft structures.

2. BRIEF DETAILS OF TRAINING AT THE SCHOOL OF ENGINEERING  
BATH UNIVERSITY OF TECHNOLOGY, BRISTOL, U.K.

The first few days were spent in familiarizing myself with the programme of work undertaken by the staff and research students of the Materials and Structures group. Later I started learning the testing techniques and instrumentation connected with the experimental study of creep behaviour. Just before my arrival at Bristol, the members of the structure and materials group had completed a programme of creep testing of Box beams whose results were of relevance to the design and development of supersonic transport aircraft. During the above tests it was observed that the Box beams failure occurred mainly due to failure of the rivetted joints. Hence it was thought that I should take up an independent investigation to study the effect of stress concentration on the creep behaviour. With this end in view the following test programme was contemplated and initiated:-

- i) Rupture tests on aluminium alloy (same as that used in the manufacture of Box beams viz. B.C.A. 1140; UTS at room temp.= 64900 psi) Coupon specimens with circular holes at a constant temperature of 150°C and at four different stress levels (nominal stresses of 25000 psi, 30000 psi, 35000 psi and 37000 psi) to find out the relationship between rupture time and the nominal stress for a constant temperature;
- ii) Strain distributions in the vicinity of the region of stress concentration (hole) at various intervals of time for different loads at constant temperature of 150°C.

p.t.o.

As a pre-requisite to the starting of the tests, the existing test set up at the Bath University of Technology had to be slightly modified to record the time of rupture. This was accomplished by me by a suitable modification of the loading mechanism, in conjunction with a strip chart recorder.

Tests outlined above under category (i) viz., rupture time tests were completely performed and it was observed that the rupture time variation with nominal stress was linear on a log-log scale. It was also noticed that the failure results obtained from the earlier box beam tests were in very good agreement (very little scatter) with the coupon test results. These results seem to be very encouraging and it is intended that work of this nature be initiated at NAL.

Due to paucity of time not much work could be done on the second item listed above. However, one single test of 120 hours duration at a nominal stress of 25000 psii. and temp. of 150°C. was conducted and the creep strains measured by the use of replica technique. It was noticed that creep strains as high as 1.1% had occurred at the edge of the hole.

### 3. VISITS DURING MY STAY IN U.K.

As part of my training programme a number of visits to places of engineering interest were arranged during my stay in U.K., with the intention of giving me an opportunity to have a fairly broad view of the scientific and engineering activities of the establishments and for technical discussions in and relating to my field:

- a) Royal Aircraft Establishment, Farnborough
- b) National Gas Turbine Establishment, Pyestock
- c) British Non-Ferrous Metals Research Association, London
- d) Imperial College of Science and Technology, London
- e) The City University, London
- f) Bristol Siddley Engines Limited, Bristol
- g) British Aircraft Corporation (Operating) Limited, Bristol
- h) Bristol University

### 4. BENEFITS DERIVED FROM THE VISIT

I would like to make it clear at the outset, that the duration of the fellowship was too short for any active participation in the research projects envisaged by the structures and materials group of the Bath University of Technology. However, I am quite happy about the training received and in fact it is to be appreciated very much that within a very short period of three months I was given the opportunity to work on studies relating to the effect of stress concentration on creep behaviour which gave me a fairly broad understanding of the nature and approach to tackle such problems.

After the training I definitely feel better informed in the subject and I am quite confident that the training received would be helpful in implementing the developmental plans of the National Aeronautical Laboratory. I also regard my stay in U.K. as a success in establishing valuable personal links with eminent persons which will be of much use in our future endeavours.

1. Title of Project: Professional Schools Indian Study Project  
Project Director: William McCornack  
Contracting Agency: University of California at Berkeley.  
Federal Funds Requested: \$ 66 ,357  
Beginning and Ending  
Dates : July 1, 1967 - June 30, 1968.

2. Abstract

(1) The Professional Schools of Agriculture, Business, Criminology, Education, Engineering, Environmental Design, Forestry, Public Health, and Social Welfare at Berkeley propose to send a group of twelve graduate students to New Delhi on a work-study project. The purposes of the project are:

- a) to further the general education of outstanding students in the professions who appear destined to be leaders in their fields
- b) to teach these students not only to learn about, but care about the problems of the developing nations
- c) to learn specific techniques and approaches in their respective fields
- d) to teach the students interdisciplinary cooperation, essential in most overseas situations,
- e) to teach these students the rudiments of Hindi
- f) to give the students the experience with which to develop greater tolerance and confidence for working abroad under more demanding conditions than they are accustomed to in the United States.

(2) The students would be accompanied by a Berkeley professor from one of the professional schools who has specialized in South Asian studies. The students would take a seminar together under his direction entitled, "The Role of the Professional in an Emerging Society." In addition, the students would spend twenty hours a week as interns at appropriate institutes, agencies, or businesses under the supervision of an Indian professional person.

(3) The project will be the first of its kind and will give Berkeley experience in developing international studies at the graduate professional school level. If successful, it will serve as a base upon which to build further international studies into the professional curriculum. This project is in keeping with one of the major reforms recently proposed by the Select Committee on Education (Education at Berkeley, "The Muscatine Report.")

3. Professional Schools Study Abroad Project  
. University of California, Berkeley.

A. Background

Study abroad, one of the most significant trends in higher education in recent years, is yet to become a part of the curriculum of the nation's professional schools. Only a small percentage of the American students who study abroad come from professional disciplines such as business, environmental design, public health, education, criminology, and social welfare. Yet these schools train most of the future leaders of society and comprise 30% of the population at institutions such as the University of California at Berkeley.

For reasons set forth in detail below, the Deans of the professional schools on the Berkeley campus of the University of California herein propose a project to send a group of one of the best graduate students from each of the schools to New Delhi for eight months in 1967-68.

The reasons why many students in the professional fields do not study abroad are readily determined. One factor is the professional curriculum. Students in these fields must take courses in sequence, very often in a fashion laid down by the profession or state laws. Students in engineering or law cannot, for example, spend a year in France without delaying their degree, and/or impairing their chances of passing their state licensing examinations.

Moreover, American universities lead the world in many areas of professional training. An American student in business administration in Scotland would discover, for example, that a course in Sociology of Work at the University of Edinburgh relies upon American authors for nearly eighty per cent of the required readings. Or, to cite another example, the best place to study dry soil engineering is California.

A third reason students in the professional fields do not study abroad is the fact that the students in the professional fields have traditionally had neither the time nor the need to learn foreign languages. Thus, these students are not prepared to go abroad.

Many of these conditions are changing. North Americans do not lead in all the professional fields. (One of the best places to study city planning is Athens, and the most experienced engineers in high speed rail transportation work in Japan. The United States does not provide the optimum setting to study many of the challenging problems that face the professions today.

Nor does the specialisation which characterizes professional curricula give students all of the general educational background they need. Thus, eight months abroad (during the training years could give students some rich experiences in their specialized fields, while at the same time providing them with desirably additional liberal education.

Another problem of the education abroad development is the disproportionate concentration of these programs in Western Europe. Should not similar emphasis be placed upon study in countries in Latin America, Africa, and Asia? To send students to Europe is natural: Europe is the primary source of our culture, and most American students are required to study European languages. European universities, too, are reputed among the best in the world. American students have been slow in investing their university years in parts of the world where cultures vary radically from their own, where languages are more difficult to learn, and where the format and content of education differs from that of Europe and North America.

Yet it is all too apparent that it is necessary to direct students' interests to the non-Western world. Many authorities believe that as a nation we must learn to relate in a more effective manner to people from other cultures. Despite honest intentions, we have not developed sufficient understanding of other mores, customs, languages, and religions of other peoples. The preponderance of college programs in Europe does little to solve this problem. It may, in fact, contribute to a kind of cultural isolationism.

In view of American involvement in world affairs, and in view of the leadership of the professions in modern society, the position is taken here that the need to establish study abroad opportunities for students in the professions is as great, if not greater, than in other fields of the university. It is the students in the professions who will one day exert the levers of modern society. And it is the professions which are asked to solve the problems of agriculture, industry, population and disease. Professionals are people whose lives are committed primarily to action. The professional students need to live in comparative environments to obtain a wider perspective. American foreign policy rests to a considerable degree upon the belief that most of the serious problems in the world today can be solved. Implied in this policy is a reliance upon the American professions.

During the past year, the Deans of the professional schools on the Berkeley campus of the University of California have been studying the possibility of overseas study for students in the professional fields in the belief that they need to study and intern abroad. In addition to the need for international experience, another related issue has been a source of concern and a stimulus to planning. Students in these fields do not have sufficient opportunity to work with fellow students in other professional fields. Yet many of the problems with which they will one day have to contend require the cooperation of people in many disciplines. City planning, for example, whether it be in Chicago or Karachi, requires the cooperation of engineers, businessmen, architects and welfare workers -- in short, representatives from every segment of the professional community. It is important, therefore, to teach students entering the professions to understand the roles played by other professional disciplines and the necessity of cooperative effort.

Finally, study abroad for students in the professional schools is in the national interest. Most leaders in Washington agree that the ultimate success of the United States abroad will depend upon our ability to develop new ideas, techniques, and a strong sense of commitment to solve many of the world's problems. President Johnson has said that foreign policy can advance no further than the classroom, and that we must teach students not only to learn about, "but care about" other lands.

In summary, in interdisciplinary study abroad project for students in the professional schools is desirable for these reasons :

- 1) Study abroad can strengthen the general education of students in these fields.
- 2) A joint project can give students in the professions experience in interdisciplinary cooperation.
- 3) Study abroad can give students in professional fields an opportunity to test their knowledge and skills in another environment.
- 4) If situated in a developing country, a professional schools project may increase the students' humanitarian concerns.
- 5) Studying abroad, and attempting to learn the rudiments of another language may increase students' motivation to one day learn to speak the language fluently.

#### B. The Professional Schools Study Abroad Project

After discussing these problems the Deans of the professional schools at Berkeley decided that one solution was to send a group of their best students abroad. The Berkeley campus would like to send a student from each of the professional schools to New Delhi for eight months beginning in the Fall or Winter quarter of 1967. Twelve students would be sent. With the exception of students in law, the students would be graduates who had completed twenty four units of graduate work or more. The students would be accompanied by a director who would be a professor of Southeast Asian Studies at Berkeley.

The students would be urged to study for three months in an intensive course of Hindi at Berkeley before departure. In New Delhi they would continue the study of Hindi five hours per week during their stay in India. They would also take a seminar on the "Role of the Professional in an Emerging Society". The students would take the seminar together. Indian leaders in various professional fields would be asked to talk with the seminar.

Each student would be assigned to work half of each week with a young professional in one of the businesses, departments, or institutes in New Delhi. Where appropriate, the Indian professional or his firm

would be paid a stipend for working with the American intern. All of the Indian professional people involved would be asked to serve as an Advisory Committee for the project.

The Berkeley students would spend the rest of their time studying materials and writing papers in their field. During their eight months' stay, the students would spend several weeks travelling throughout India. The student papers would be based on what the students observed in their own discipline. The students will be expected to write papers of high quality which will be worthy of consideration for graduate credit.

India has been chosen as an ideal for this project for the following reasons:

1. India is a country whose culture differs considerably from the United States. India offers the prime example of a nation struggling against the ills of overpopulation, disease, and poverty. However, it is advanced enough to have well-organised professions.
2. India has a good university and a number of institutes in New Delhi with which an American group can be affiliated. There are a number of institutions and firms which can provide American graduate students with meaningful intern experiences.
3. Language poses fewer problems for American students in India because most professional leaders speak English. Students will be able to learn in English, while gradually improving their facility with Hindi.
4. Good living accommodations at modest rates can be obtained in New Delhi.

Specific activities and outcomes in each of the professional fields is briefly summarized below:

**Agriculture:** The participating student will have an opportunity to observe first-hand pest control-problems, unique to Asia. The Rice Stalk Borer, for example, is the most serious pest in Asian agriculture. Presently, there is in Delhi a distinguished international research team working on this problem and willing to accept a Berkeley student as an intern.

**Business Administration:** The participant will be able to study Indian problems as they are related to the physical, cultural, political, and religious environment. He will be able to observe how these factors affect business behaviour. The stay in Delhi will also offer an opportunity to examine the basic ideas, concepts, attitudes, and institutions that characterize the legal, political and social frame-work within which the business system operates.



**Criminology:** Comparative cross-cultural analysis is an essential part of advanced criminological study. Community disorganization, law enforcement administration and correctional practices for purposes of comparison with American agencies will offer opportunity for study and research. Prime focus will be on community studies and models of law enforcement and correctional work.

**Education:** Participant will be able to observe schools operating under austere conditions. He will have opportunity to study role of teaching profession and practices of administration. The student will also be better prepared to work more effectively in foreign exchange of teachers and students or in study of educational problems and issues in developing countries.

**Engineering:** Eight months in India will give the student the opportunity to understand better engineering problems in such fields as urban and regional planning, provision of environmental health facilities, and the need to develop new and inexpensive methods to harness natural resources to obtain power and water.

**Environmental Design:** The participant will be a student in City and Regional Planning. Issues to be explored and practices to be observed touch on such questions as: review of public proposals for development, administration of controls over private development, selective assembly of intelligence data to predict probable course of future development. The student will seek to gain a rudimentary understanding of the basic community economy of New Delhi, its social and political structures, and the major forces entwined in its urban growth.

**Forestry:** Participants will be encouraged to seek experience in land management practices in arid and semi-arid regions near Delhi. A Forestry student can contribute to the inter-disciplinary study by explaining work in such fields as regeneration, management of forests for fuel, windbreak systems, lumber, erosion control and land use.

**Law :** From a Law graduate's point of view, New Delhi offers unusual opportunities for comparative study. It is a university city and includes the Indian Law Institute. Delhi is also the center of government and the seat of the Supreme Court. Projects which could be undertaken range from a study of the decision making process in the Supreme Court to the lawyer's role in politics. On an inter-disciplinary basis, areas worthy of investigation relate to legal problems in city planning, public welfare, economic planning and labor relations.

**Public Health:** Disease prevention and environmental sanitation are among the areas of investigation for a student in Public Health to study in India. A student will be chosen from one of the following Public Health fields: Biostatistics, Epidemiology, Medical Microbiology, Demography, Hospital and Public Health Administration, Health Education, and Nutrition.

**Social Welfare:** The student from Social Welfare will observe agencies and institutions and thereby gain an overview of Indian welfare problems, programs, and issues. He will have an opportunity to observe social work methods, casework, and community organization. The experience in Delhi will be particularly fruitful for the student in Social Welfare because he will observe problems and social conditions common to developing nations and not present in the United States on the same scale.

### C. Evaluation

This is primarily a pilot project and should therefore be evaluated thoroughly. Since it is the first of its kind, the results of any evaluation should be shared with a national audience. Three steps are planned to evaluate the project. One, the students would be asked to write a detailed evaluation of their experience in the progress. A similar evaluation would also be asked of their director. Two, the students would meet with the faculty and deans at Berkeley to discuss the eight month stay at New Delhi. Finally, the students would be asked to participate in an ongoing project designed to identify the effects of study abroad currently underway at the University of California, Berkeley's Institute of Personality Assessment and Research. The Institute is at present studying students who have participated in the University's undergraduate program. This Institute has achieved distinction in its study of the creative individual, and more recently, for its studies on architects. The evaluation of the effects on the participants of this project will thus be an extension of the Institute's ongoing research program.

Thus, a fairly clear picture of the value of the project can be obtained. This would be of value to the Federal Government as well as American universities in considering similar ventures in other countries.

### 4. Personnel and Facilities.

The students will be enrolled at the University of California at Berkeley while abroad. The Berkeley Campus will administer the program; select the students, find housing, provide medical insurance, arrange transportation, and set up the academic program. The students' Director will be a professor at Berkeley with extensive experience in South Asian studies. People responsible for this project are:

Milton Chernin, Dean of the School of Social Welfare and author of a number of articles and monographs. Dean Chernin has been a member of the Graduate School of Administrative Sciences, University of California - Bologna Project, a consultant to the Ministry of Planning in Egypt, and is at present an adviser to the government of Chile.

Judith Davis, Associate Professor of Demography and Chairman of the Interdepartmental Demography Group. Dr. Davis' speciality in demographic research is the sociological aspect of human fertility. She is the author of Family Structure in Jamaica: The Social Context of Reproduction.

John Helms, Assistant Professor of Forestry, with a Ph.D. from the University of Washington in 1963. Professor Helms has been a forestry officer in Tasmania and is a silviculturist at the University's Agricultural Experimental Station.

William James Hill, Assistant Dean of the Boalt Hall School of Law. Dean Hill is a former counsel of the Federal Reserve Bank in San Francisco, was Chief Counsel of the California State Department of Banking. He is editor of the annual supplements to Collier on Bankruptcy (10 vol.).

Van D. Kennedy, Professor of Industrial Relations in the School of Business Administration. Professor Kennedy has work in India on a Fulbright Research Grant, as Consultant to the Ford Foundation, and as a Fellow at the American Institute of Indian Studies. He is the author of numerous articles on Indian labor relations published in a book, Unions, Employers and Government, published in India this year. Professor Kennedy teaches an interdisciplinary course on Indian civilization.

Joseph Lohman, Dean of the School of Criminology. Dean Lohman is author of a number of articles and books. One work is deemed definitive in the field of Criminology (The Police and Minority Groups). He is at present a consultant to the Department of Interior for the Department's operations in Guam. He has also worked in Korea and Japan with the United Nations Repatriation Command, and also served on an interdisciplinary team which conducted community studies in Yugoslavia in 1963.

David Mandelbaum, Professor of Anthropology and Director of the Institute of South Asian Studies. Professor Mandelbaum is the author of many articles and several books on Indian anthropology and has spent considerable time in India.

William McCornack, Campus Coordinator of Education Abroad, Ph.D. from Berkeley in Education Administration 1961. Dr. McCornack is at present engaged in research on the effects of undergraduate study abroad at the Institute of Personality Assessment and Research under a contract from the Department of Health, Education and Welfare. He has written several papers on study abroad, the most recent of which relates to this project, "New Directions in Study Abroad," Journal of Higher Education, October 1966, pp 369-376. Dr. McCormack is a member of the National Committee for Independent Study Abroad of the Institute for International Education.

Woodrow W. Middlekauf, Professor of Entomology and Assistant Dean of the School of Agriculture. Professor Middlekauf has published extensively on North American insects, is the author of Southeastern United States Mosquitoes, and serves on the international committees concerned with pest control.

Theodore Reller, Dean of the School of Education. Professor Reller has served on a number of international committees and is a specialist in international education. He has written a number of books, the more recent of which are Divisional Administration in English Education and, with Edgar Morphet, Comparative Educational Administration.

Walter Soroka, Assistant Dean of the College of Engineering and Professor of Acoustical Science. Professor Soroka is a consultant to the University of California Engineering Project in Kanpur, India. He is also an adviser on the University of California Chile Project. His current research activity is in the field of simulation of acoustic environment.

Leland Vaughan, Assistant Dean of the College of Environmental Design and Professor of Landscape Architecture. Professor Vaughan has extensive experience as a landscape architect and has served on a number of committees concerned with environmental planning. He is a former Planning Commissioner for the city of Richmond, California.

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UNIVERSITY GRANTS COMMISSION.

Meeting:  
Dated: 5th July, 1967.

- Item No.3: To approve the statement of grants released after the last meeting off the Commission held on 3rd May, 1967.

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P L A N

Name of the University	Purpose	Grant released
1	2	3
1. Agra.	Grant towards holding a Summer School in Geography.	6,600
	Unassigned grant for the Fourth Plan period.	11,000
	Cultural Exchange programme between India and Hungary for the year 1966-67.	230.05
	<u>Affiliated Colleges.</u>	
Govind Ballab Pant Degree College, Kachla.	Grant towards revision of salary scales of teachers as per II Plan Scales of pay.	140
D.S.M. Degree College, Kanth (Moradabad).	-do-	567.74
Moti Ram Babu Ram Degree College, Haldwani.	-do-	245.64
Dayanand Arya Kanya Degree College, Moradabad.	-do-	1,301.25
Women's Training College, Dayal Bagh, Agra.	-do-	634.24
Almora College, Almora.	-do-	525.48
Kanya Mahavidyalaya Degree College, Bareilly.	-do-	261.28
Shiv Kastriya College, Shikohabad.	-do-	278.21
S.R.K.(P.G) College, Firozabad.	-do-	132.27
Narain Degree College, Shikohabad.	-do-	693.73
Bareilly College, Bareilly.	Development of postgraduate studies in Humanities and Social Sciences.	15,000
S.R.K.(P,G) College, Firozabad.	Expansion of Science Education	7,000
Kishori Raman College, Mathura.	-do-	10,000
B.S. Agarwal College, Mathura.	-do-	14,500
Gokal Dass Hindu Girls' College, Moradabad.	-do-	45,000
G.B. Degree College, Kachla.	Establishment of Non-Resident Students' Centre.	3,000
B.S. Agarwal College, Mathura.	Establishment of Hobby Workshop.	500
Digambar Jain College, Baraut.	-do-	2,155

C.L. Jain College, Firozabad.	Construction of staff quarters and purchase of equipment for Physics and Chemistry.	10,000
St. John's College, Agra.	Renovation of three hostel buildings.	1,059
B.R. College, Agra.	Remodelling of the Central Block const- ruction of an additional Block for class rooms and Auditorium and purchase of furniture and equipment.	20,000
Agra College, Agra.	Contingency grant for Sr. Research fellowships in Humanities.	1,000
St. John's College, Agra.	-do- Jr. research	500
K.G.K. Postgraduate College, Moradabad.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	375
Bareilly College, Bareilly.	-do-	500
Agra College, Agra.	-do-	750
Christ Church College, Kanpur.	-do- Science Engg. & Technology.	500
S.D. College, Ghaziabad.	-do- in Humanities & Social Sciences.	250
Vardhman College, Bijnor.	-do-	250
D.S.N. College, Unnao.	-do-	1,000
A.K.P. Degree College, Khurja.	-do-	250
R.M.P. Degree College, Sitapur.	-do-	250
St. John's College, Agra.	Development of postgraduate deptt. of Physics.	30,000
B.R. College, Agra.	-do- Physics & Chemistry.	36,000
M.K.P. Degree College, Dehradun.	Construction of permanent short shooting range.	400
G.M. College, Chandausi.	Purchase of water cooler.	373
Kisan Degree College, Dehradun.	-do-	430.96
Almora Degree College, Almora.	Establishment of Text Book Library.	1,000
M.K.P. College, Dehradun.	-do-	1,000
B.S. Agarwal College, Mathura.	-do-	1,000
D.A.V. (P.G) College, Bullandshaher.	-do-	1,000
Jain Girls' Degree College, Muzafarnagar.	Establishment of Students Aid Fund.	500
A.K.P. Degree College, Hapur.	-do-	762
K.R. Degree College, Mathura.	-do-	952
National Degree College, Bhagaun.	-do-	1,040
Janta Agriculture Degree College, Ajitmal.	-do-	1,234
Agra College, Agra.	-do-	2,000
P.P.N. College, Kanpur.	-do-	1,050
V.S.S.D. College, Kanpur.	-do-	3,000
Gujar Agricultural Degree College, Rampur.	-do-	662
Gung Dundwara College, Gunjdundwara.	-do-	1,500
Digambar College, Dibai.	-do-	661
P.C. Bagla College, Hathras.	-do-	1,500

Total: 2,42,513.85

2. Aligarh Muslim University.

Grant for Aligarh Pre-election Survey project.	1,000
Construction of the building for the Deptt. of Mathematics.	50,000
Improvement of water supply and Gas connections.	38,474
Purchase of library books and journals in Science subject.	40,000
Grant towards the salaries of additional staff for the development of Humanities departments.	40,000
Grant for research work in Himalayan Geology.	4,734
Unassigned grant for the Fourth Plan period.	22,500
Extension in fellowship tenure in Sr. Research fellowships in Science/Humanities.	2,990.32
Contingency grant for Junior Research fellowships in Humanities.	1,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
-do-	250
-do- Science Engg. &	250
-do- Technology.	500
-do- Humanities and Social Sciences.	250
-do-	250
Purchase of equipments under the scheme of separate laboratories and workshops for the University Polytechnic.	80,000
Grant-in-aid for the establishment of a Girls' Polytechnic.	8,000
-do-	20,000
Grant-in-aid for the construction of Civil Engineering, laboratories Bldg.	35,000
Award of fellowships to Post-graduate students.	18,000
Payment of recurring grant for appointment of Training and Placement Officer during 1964-65 and 1965-66.	4,177
Payment of Recurring grant for Draftsmanship Certificate Course at the University Polytechnic.	10,000
Payment of recurring grant for the introduction of 5-year integrated course at the College of Engineering.	50,000
Construction of Hostel for 100 Men students.	2,496.60
Construction of Hostel for 480 Engg. students.	1,00,000
Construction of staff quarters for teaching staff of Medical College.	50,000
-do- Non-teaching staff.	50,000

Aligarh Contd:

Construction of hostel for 325 Men students for Medical College.	1,00,000
Construction of building of the Jawaharlal Nehru Medical College.	1,50,000
Purchase of furniture for Jawaharlal Nehru Medical College.	25,000
Purchase of equipment for Jawaharlal Nehru Medical College.	1,00,000
Total:	10,05,121.92

3. Allahabad.

Grant towards holding a seminar on teaching Non-Indian History.	5,000
Unassigned grant for the Fourth Plan period.	13,500
Purchase of Scientific equipment for various science depts.	1,09,000
Grant towards holding a Summer School in Zoology.	11,000
Extension in fellowship tenure of Sr. Research fellowships in Humanities.	3,000
-do-	3,000
Utilisation of services of retired teachers.	4,500
-do-	1,000
Contingent grant for -do-	473.37
Financial assistance to teachers for research work in Science, Engg. and Technology.	250
-do-	500
-do- science subjects	500
-do-	500
-do-	500
-do-	1,000
-do-	750
-do- Humanities and Social Sciences.	375
-do-	100
-do-	250
Cultural Exchange programme between India and Hungary.	57.97

Affiliated Colleges.

Ewing Christian College, Allahabad.	Grant towards revision of salary scales of teachers as per II Plan scales of pay.	382.83
C.M.P. Degree College, Allahabad.	Expansion of Science Education.	12,193
M.N.R. Engg. College, Allahabad.	Financial assistance to teachers for research work in Science, Engg. and Technology.	500
	Total:	1,68,332.17



4. Andhra.

Basic grant for the purchase of Scientific equipment.	36,000
Unassigned grant for the Forth Plan period	13,500
Payment for organising Summer Institute in Physics for School teachers.	10
Grant towards arrears of pay of teachers of Akkineni Nageswara Rao College, Gudivada for the period 1964-66.	2,658.43
Construction of Teachers' Hostel.	20,000
Construction of Gandhi Bhavan.	10,000
-do- Guest House.	10,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	2,393.98
Award of Jr. Research fellowships in Humanities and Social Sciences.	4,975
Contingent grant for utilisation of services of retired teachers.	1,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
-do-	250
-do- Humanities and Social Sciences.	250
-do-	250
Payment of recurring grant under the scheme of introduction of Postgraduate Courses in Electrical Engineering.	64,000
-do- Civil Engineering.	35,000
Basic grant for the purchase of library books and journals for the development of Engg. and Technological education.	30,000

Affiliated Colleges.

Hindu College, Guntur.	Construction of N.R.S. Centre Bldg.	18,000
A.N.R. College, Gudivada.	-do- Science Laboratory Buildings.	9,000
Govt. Arts College, Rajahmundry.	Centenary grant for the construction of Geology Block.	10,000
Maharaja's College for Women, Vizianagram.	Establishment of Students' Aid Fund.	664
P.R. Govt. College, Kakinada.	-do-	3,000
The Narsapur College, Narsapur.	-do-	250
D.M.R. College, Bhimavaram.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	150
The Narsapur College, Narsapur.	-do- Humanities & Social Sciences.	250

Total: 2,91,851.41

5. Annamalai.

Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
-do-	250
-do-	250
-do- Science subjects.	750
-do-	1,000
Construction of a hostel for the Centre of Advanced Study in Marine Biology at Porto Novo.	75,000
Grant-in-aid for the construction of building of Muthiah Polytechnic.	60,000
-do- Development of Engg. and Technological education.	10,000
Grant-in-aid towards the purchase of library books/journals in Engg./Technology.	30,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	1,794.19
Award of Junior fellowships to the students of Post-graduate Courses in Engineering/Technology.	39,000
Grant for organising Summer Institute in Chemistry for School teachers.	294.48
Unassigned grant for the Fourth Plan period.	13,500
Grant towards expenditure on Field Training of M.Sc. Geology students.	1,480
Total:	2,33,568.67

6. Banaras Hindu University.

Grant towards holding a Summer Institute in Indian History.	16,000
Grant towards construction of Archaeology block of the College of Indology.	30,000
Grant towards the award of LL.B and LL.M Scholarships to law students.	29,000
Grant towards the T.A. and D.A. of experts on the preparation of Historical Grammar of Hindi language.	446.80
Unassigned grant for the Fourth Plan period.	22,500
Extension in fellowship tenure of Junior Research fellowships in Humanities.	1,800
-do-	1,800
-do-	3,000
Contingency grant for Junior Research fellowships in Humanities.	1,000
-do-	1,000
Award of Research fellowships in Chemical Engg. at the College of Technology.	5,000
-do-	371.42

Banaras Hindu Univ. Contd.

Award of Junior fellowships to students admitted to the postgraduate courses other than those approved by the A.I.C.T.E.	1,500
Award of Junior fellowships for the postgraduate Course in Coal mining and Metal Mining.	15,000
-do- Chemical Engg. & Technology.	8,000
-do- Chemical Engg.	5,000
-do- Advanced Metallurgy.	15,685.48
Financial assistance to teachers for undertaking research or learned work in Science subjects.	150
-do-	150
-do-	750
-do-	500
-do-	1,000
-do-	500
-do- Humanities and Social Sciences.	500
-do-	1,000
-do- Science, Engg. and Technology.	250
Grant-in-aid for introduction of 5-year integrated Course at the College of Mining & Metallurgy.	50,000
Grant-in-aid for reorganisation of Courses in Applied Arts.	1,33,700
Grant towards the "Electric supply Reorganisation Scheme".	1,00,000
Construction of 12 staff quarters for Technicians of the College of Medical Sciences.	20,000
Grant for meeting the extra expenditure on account of revision of scales of pay of teachers in the Schools run by the University.	2,50,000
Total:	7,15,978.70

7. Bangalore.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate & Training Colleges.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Cultural Exchange programme between India and Hungary for the year 1966-67.	264.98
-do- India & Yugoslavia -do-	654.94
-do- India & U.S.S.R.	108.75
-do-	100
-do-	645.35

p.t.o

Bangalore Contd.

Affiliated Colleges.

Govt. College, Bangalore.	Purchase of Science equipment.	50,000
Mount Carmel College, Bangalore.	Construction of library building.	20,000
Central College, Bangalore.	Utilisation of services of retired teachers.	6,000
-do-	Contingent grant for utilisation of services of retired teachers.	1,000
A.P. College of Arts, Commerce and Science, Bangalore.	Utilisation of services of retired teachers.	4,500
St. John's Medical College, Bangalore.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	750
St. Joseph's College, Bangalore.	-do-	500
-do-	-do-	500
Maharani's College for Women, Bangalore.	-do-	750
Govt. College, Bangalore	-do- Humanities & Social Sciences.	250
Acharya Pathshala College of Arts, Commerce and Science, Bangalore.	Establishment of Students' Aid Fund.	2,500
College of Engg. Bangalore.	-do-	2,500
Mount Carmel College, Bangalore.	-do-	2,250
M.E.S. Teachers' College, Malleswaram, Bangalore.	-do-	591
Ramnarain Chellaram College of Commerce, Bangalore.	-do-	2,112
	Total:	<u>1,29,977.02</u>

8. Bhagalpur.

	Purchase of books and journals for the Community Development Cooperation and Panchayati Raj.	2,500
	Unassigned grant for the Fourth Plan period.	9,000

Affiliated Colleges.

Bharat Sewak Samaj College, Supaul.	Establishment of Non Resident Students' Centre.	10,000
R.S. College, Tarapur.	Financial assistance to teachers for research work in Humanities and Social Sciences.	250
-do-	-do-	250
G.B. College, Nangachhia.	-do-	150
T.N.B. College, Bhagalpur.	-do-	250
-do-	-do-	125
Deoghar College, Deoghar.	-do-	125

Bhagalpur Contd.

Purnea College, Purnea.	Establishment of Students' Aid Fund.	1,925
-do-	--do-	2,250
S.K.R. College, Barabigha.	-do-	1,380
R.S. College, Tarapur.	-do-	1,500
Purnea College, Purnea.	Construction of permanent short shooting range.	400
	Total:	30,105

9. Bihar.

Unassigned grant for the Fourth Plan period. 9,000

Affiliated Colleges.

Rajindra College, Chapra (Bihar).	Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
Janta College, Jhangbarpur.	-do- Humanities & Social Sciences.	350
C.M. College, Durbhanga.	-do-	250
-do-	-do-	350
Teachers' Training College, Samastipur.	-do-	250
Jagdish Nandan College, Madhubani.	Establishment of Students' Aid Fund.	500
Marwari Mahavidyalaya, Darbhanga.	-do-	500
Jaiparkash Mahila College, Chapra.	-do-	794
Shri L.N. College, Muzaffarpur.	-do-	1,411
Gopeshwar College, Natha.	-do-	868
N.D.D.M. College, Muzaffarpur.	-do-	1,011
H.R. College, Madhubani.	-do-	3,000
Teachers' Training College, Turki.	-do-	610
Tirhut College of Agriculture, Dholi.	-do-	1,500
	Total:	20,644

10. Bombay.

Grant towards holding a Summer School in Science & Culture.	1,926
Purchase of library books and journals (Humanities).	20,000
Unassigned grant for the Fourth Plan period.	22,500
Contingency grant for Jr. Research fellowships in Humanities.	1,000
-do-	1,000
Utilisation of services of retired teachers.	6,000

Bombay Contd:

Cultural Exchange programme between India and West Indies..	789.85
-do- India and Hungary	436.05
-do- India & U.S.S.R.	400.81
-do-	597.96
-do-	472.21
-do-	369.19
-do-	850.60

Affiliated Colleges.

Sophia College, Bombay-26.	Expansion of Science Education.	25,000
Ruparel College, Bombay.	Construction of Library building.	25,000
St. Xavier's College, Bombay.	Utilisation of services of retired teachers.	5,137.93
Grant Medical College, Bombay.	Financial assistance to teachers for research work in Science, Engg. and Tech.	1,000
Parle College, Bombay.	-do- Humanities & Social Sciences.	100
St. Xavier's College, Bombay.	-do- science subjects.	750
K.C. College, Bombay.	-do- Humanities and Social Sciences.	500
Ramnarain Ruia College, Bombay.	-do-	1,000
Elphinistone College, Bombay.	-do-	500
N.N.D.T. College, Bombay.	-do-	250
Sophia College, Bombay-26.	Establishment of Students' Aid Fund.	2,500
M.M. College of Arts and M.M. Institute of Science, Bhavan's College, Bombay.	-do-	2,560
K.C. College, Bombay.	-do-	3,000
Ruparel College, Bombay.	-do-	3,000
Total:		<u>1,26,640.60</u>

11. Burdwan.

Cultural Exchange programme between India & Yugoslavia.	476.05
Basic grant for the purchase of Scientific equipment.	25,000
Unassigned grant for the Fourth Plan period.	9,000

Affiliated Colleges.

Sri Ramakrishna Sarada Vidya Mahapitha, Hoogly.	Purchase of equipment and furniture for Science laboratories.	22,000
Suri Vidya Sagar College, Suri.	Purchase of Laboratory equipment.	7,500
Bankura Sammilani College,	Improvement of library & laboratory facilities.	10,000
Bankura Christian College, Bankura.	Construction of Womens' Hostel.	2,000

Burdwan Contd:

Burdwan Raj College, Burdwan.	Financial assistance to teachers for research work in Humanities & Social Sc.	500
Balpur College, Balpur	-do- Science, Engg. & Tech.	250
-do-	-do-	250
-do-	-do- Science subjects.	1,000
B.N. Mahavidyalaya, Itachuna.	-do-	500
Raj College, Burdwan.	-do-	500
K.C. College, Hetampur	-do- Humanities and Social Sciences.	250
Banwarilal Bhatolia College, Asansol.	Establishment of Text Books Library.	4,000
Regional Engg. College, Durgapur.	Establishment of Students' Aid Fund.	2,250
Bolpur College (Day), Bolpur.	-do-	1,138
Netaji Mahavidyalaya, Arambagh.	-do-	2,250
Raja Peary Mohan College, Uttarpara.	-do-	2,000
Raja Ram Mohan Roy Mahavidyalaya Radhanagar.	-do-	738
Katwa College, Katwa.	-do-	3,000
Abhedananda Mahavidyalaya Sainthia, Birbhum.	-do-	700
Rampurhat College, Rampurhat.	-do-	2,088
Nistarini College, Purulia.	-do-	831
Trivenidevi Bhalotia College, Raniganj.	-do-	2,250
Banwari Lal Bhalotia College, Asansol.	-do-	2,050
Asansol Girls' College, Asansol.	Purchase of water cooler.	500
Total:		<u>1,03,021.05</u>

12. Calcutta.

'On account' grant towards one fellow- ship in the deptt. of Geography for understating research work in Himalayaan Geology.	1,670
'On account' grant towards the salary of 75,000 additional staff appointed in the various departments.	
Unassigned grant for the Fourth Plan period.	22,500
Purchase of library books and journals for the development of Engg. & Technological Education.	3,000
-do- for Science departments.	15,600
Construction of multistoreyed Science building (Eastern Block) for the Deptt. of Chemistry (Puri).	3,50,000
Grant for implementing the Three Year Degree Course Scheme in non-Govt. Colleges.	9,788.25

Calcutta Contd:

Cultural Exchange programme between India and Hungary.	677.89
-do- India and U.S.S.R.	283.30
Grant towards holding Refresher Course in History.	5,500
Grant for holding a Summer School in Physiology.	8,000
Grant towards the scheme of preparation of Topographical list of inscription.	3,000
Grant towards development of Linguistic studies.	50,000
Purchase of library furniture.	2,00,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
-do-	500
Contingent grant for Senior Research fellowships in Engg. & Technology.	1,383.55
-do-	1,000
-do- Science	1,000
-do- Engg. & Tech.	1,000
-do-	1,000
Extension in Fellowship tenure of Sr. Research fellowships in Science.	3,000
-do- Engg. & Tech.	2,400
-do-	2,400
-do-	2,400
-do-	2,400
-do-	2,400
-do-	2,400
-do- Jr. Research	1,800
fellowships in Humanities.	
Award of Senior Research fellowships in Humanities .	6,000

Affiliated Colleges.

Midnapore College, Midnapore	Purchase of Laboratory equipment and furniture.	3,500
Vidyanagar College, Vidyanagar.	Purchase of Library Books.	4,333
Uluberia College, Uluberia.	-do-	2,000
Ramsaday College Amta. (Howrah)	Improvement of library and laboratory facilities..	30,000
The Ramakrishna Mission Vidya Mandira, Belur Math.	Estt. of Hobby Workshop.	1,000
Temralipta Mahavidyalaya, Tamruk.	Estt. of Non Resident Students' Centre	5,000
Victoria Institution, Calcutta-9.	Construction of Women's Hostel.	30,000
Prabhat Kumar College, P.O. Contai Distt. Midnapore.	-do- Library building.	15,984
Sanskrit College, Calcutta.	-do-	20,000



Calcutta Contd.

Vivekanand Centenary College, Construction of Men's Hostel. P.O.Rohara(24-Praganas).		4,000
Asntosh College, Calcutta. Financial assistamce to teachers for research work in Science, Engg. and Technology.		250
Shri Chaitnya College, Habra.	--do- science subjects.	750
Ananda Mohem College, Calcutta-9.	--do-	1,000
Barasat Govt. College, Barasat.	--do-	250
Bangalori Evening College, Calcutta.	--do-	500
Midnapore College, Midnapore.	--do-	500
Ramkrishna Mission Residential College, Narendrapur.	--do-	500
Victoria Institution, Calcutta.	--do- undertaking research or learned work im science subjects.	5 00'
Khargpur College, Kharagpur	--do-	500
R.E.B. College, Agartala(Tripura).	--do- Hum.& social sc.	250
Seth Soorajmal Jalan Girls' College, Calcutta.	--do-	125
Rammohan College, Calcutta.	--do-	375
Goenka College, Calcutta.	--do-	500
Dinabandhu Mahavidyalaya, Bongaon.	--do-	250
Presidency College, Calcutta. Contingency grant for Jr. Research fellowships in Humanities.		500
Ulberia College, Ulberia. Construction of permanent short shooting range.		400
-do-	--do-	500
Gobardanga Hindu College, Gobardanga.	--do-	400
Bagnon College, Bagnon.	--do-	500
Khargpur College, Kharagpur. Purchase of water cooler.		500
Bangabasi Morning College, Estt. of Text Book Library. Calcutta		5,000
Krishnagar Women's College, Krishnagar.	--do-	5,000
Surendranath College, Calcutta.	--do-	4,000
Sarojini Naidu College for Estt. of Stuuents" Aid Fund. Women, Calcutta.		2,500
Krishanagar Women's College, Nadia.	--do-	500
-do- -do-	--do-	941
Panskura Banamali College, Panskura.	--do-	1,500
Harimohan Ghose College, Calcutta.	--do-	777
Shri Sik Shyatan College, Calcutta.	--do-	2,250
Gobardanga Hindu College, Gobardanga.	--do-	3,000
Kandi Raj College, Kandi.	--do-	1,372
Seth Ananda Ram Jaipuria College, Calcutta.	--do-	3,000
Belda College Belda(Midnapore.)	--do-	656
Union Christian Training College, Berhampore.	--do-	1,072
Bajbul Milani Mahavidyalaya, Bajbul.	--do-	500
Jharg Ram Raj College, P.O. Jhargram.	--do-	130
Fakir Chand College Diamond Harborur (24-Praganas).	--do-	2,500
Bankim Sardar College, Tangrakhali.	--do-	802

Calcutta Contd:

City College, Calcutta.	Estt. Students' Aid Fund.	1,000
P.K. College, P.O. Contai, (Midnapore).	-do-	2,000
Vidyanagar Evening College, Calcutta.	-do-	3,000
Krishnagar College, Krishnagar.	-do-	1,744
	Total:	<u>9,44,133.99</u>

13. Delhi.

Payment of recurring grant for Research scheme "Market Strategy and Distribution System of style Merchandise in India".	10,000
Award of national scholarships at the Centre of Advanced Study in Physics.	3,300
Unassigned grant for the Fourth Plan period.	22,500
Grant towards Architects' Fees.	25,000
Grant to meet expenses regarding accommodation etc. to the participants of the Seminar on Modern Techniques in the Historical Studies".	8,000
Grant for the organisation of International Symposium on Endocrinology at the Centre of Advanced Study in Zoology.	20,000
Grant towards holding of Summer School in Theoretical Physics at Dalhousie.	30,000
Development of the deptt. of Library Science.	90,000
Grant towards Salary of staff in the department of Modern Indian History.	15,000
Grant towards the scheme of Certificate Course in Hindi and Urdu.	20,000
Construction of an Extension to the Botany Block.	25,000
-do- Glass House in the deptt of Botany.	10,000
-do- Extension to the main Administrative Building.	50,000
Construction of Staff quarters for Miranda House.	20,000
-do- Staff quarters.	70,000
-do- Class IV staff quarters.	20,000
-do- Science Block for Miranda House.	50,000
-do- Examination Hall.	50,000
-do-	6,700
-do- Guest House-cum-Club.	50,000
-do- staff quarters.	70,000
-do- Law Faculty Bldg.	20,000
Grant towards the teaching of Courses in Marathi and Gujarati.	35,000
Grant towards the scheme of institution of Diploma Course in Modern Persian.	15,000

p.t.o

Basic grant for purchase of Scientific equipment in the Deptt. of Chemistry.	25,000
Purchase of equipment for the development of the deptt. of Human Geography.	8,000
Purchase of furniture for the main building of Delhi School of Social Work.	10,019
-do- for Law Faculty bldg.	15,000
Purchase of library books & journals (Humanities).	13,000
Basic grant for the purchase of library books and journals for the development of Engg. and Tech. Education.	22,000
Purchase of Scientific equipment for the Mathematics and Anthropology deptts.	55,000
Institution of Diploma Course in Radiation Medicine under the Faculty of Medical Sciences.	10,000
Payment of recurring grant towards the salary of staff appointed in the Geology Department.	9,000
Recurring grant for the Diploma Courses in Child Health and Anaesthesia.	50,000
Award of Senior Research fellowships in Humanities and Social Sciences.	7,535.71
Financial assistance to teachers for research work in Science Engg. Tech.	250
-do- Humanities & Social Sciences.	250
-do-	375
-do-	375
-do-	250
-do-	375
-do-	500
-do-	400

Affiliated Colleges.

Maulana Azad Medical College, New Delhi.	Estt. of Students' Aid Fund.	1,750
Hans Raj College, Delhi.	-do-	1,750
Ramjas College, Delhi.	-do-	1,750
-do-	-do-	2,500
Janki Devi Mahavidyalaya, N. Delhi.	-do-	2,250
Delhi School of Social Work, Delhi.	-do-	630
St. Stephen's College, Delhi.	-do-	1,750
Rajdhani College, N. Delhi.	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	350
Lady Sri Ram College, N. Delhi.	-do-	374.50
Ramjas College, Delhi.	-do-	150
-do-	-do-	500
Maulana Azad Medical College, New Delhi.	-do-	750
S.G.T.B. Khalsa College, Delhi.	-do-	250
Hans Raj College, Delhi.	-do-	250
-do-	-do-	500
Dyal Singh (Evening) College, N. Delhi.	-do-	300
do-	Purchase of library books in connection with starting of B.A. (Hons.) in Mathematics w.e.f. 1963-64.	2,500

Delhi Contd:

Maulana Azad Medical College, New Delhi.	Purchase of Library Books.	6,000
Ramlal Anand College, New Delhi.	Purchase of library books, accessories and equipment.	7,248
-do-	Purchase of furniture fittings and office equipment.	1,002
-do-	Construction of College Bldg.	25,000
Sri Venkateswara, N. Delhi.	Purchase of library books.	6,729
Hastinapur College, Moti Bagh, New Delhi.	-do-	4,500
Daulat Ram College, Delhi.	Purchase of Duplicating Machine.	1,830
Lady Shri Ram College for Women, New Delhi.	Repairs to the existing Tube well.	2,000
Daulat Ram College, Delhi.	Construction of Principal Bungalow Servants' quarters and Garage.	46,236
Hans Raj College, Delhi.	Construction of Extension to library Canteen and N.C.C. Stare.	70,000
	Total:	<u>11,31,679.21</u>

14. Dibrugarh.

	Purchase of library books and journals (Humanities)	10,000
	Grant for the salary of the staff relating to Humanities and Social Sciences departments..	20,000
	Grant-in-aid for the development of Scientific education and research.	10,000
	Purchase of library books & journals on Science subjects.	50,000
	Unassigned grant for the Fourth Plan period.	6,500

Affiliated Colleges.

Kanoi College, Dibrugarh.	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Dergaon K.D. College, Dergaon.	Purchase of library books and furniture.	2,000
Dibrugarh H.S. Kanoi.	Purchase of library books.	1,000
Commerce College, P.O. Dibrugarh.		
	Total:	<u>99,750</u>

15. Gauhati.

	Grant towards holding a Summer School in Mycology, Plant Pathology and Plant Bio-Chemistry.	9,000
	Construction of Press building.	3,400
	Grant for implementing the three year degree course scheme in the colleges.	1,29,467.67
	Appointment of staff for UGC Unit.	1,000

p.t.o

Gauhati Contd.

Unassigned grant for the Fourth Plan period.	6,500
Financial assistance to teachers for research work in Science, Engg. and Tech.	250
-do- Humanities & Social Sciences.	500
-do-	500

Affiliated Colleges.

Bajali College, Pathsala, Distt. Kamrup (Assam).	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Nowgang College, Nowgang.	-do-	500
B. Barooah College, Gauhati.	-do-	250
Tinsukia College, Tinsukia.	Construction of permanent short shooting range.	400
A.D.P. College, Nowgang.	Estt. of Text Book Library.	1,000
Gurcharan College, Silchur.	Establishment of students Aid fund.	3,000
Lady Keane Girls' College Shillong.	-do-	2,500
North Lakhimpur College, North Lakhimpur.	-do-	921
Arya Vidya College, Gauhati.	Financial assistance to teachers for research work in Science subjects.	1,000
Cotton College, Gauhati.	-do-	250
Total:		<u>1,60,688.67</u>

16. Gorakhpur.

Construction of University library building.	40,000
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Construction of Teachers' Hostel.	40,000
-do- Men's Hostel.	40,000
-do- Women's Hostel.	20,000

Affiliated Colleges.

K.B. Degree College, Mirzapur.	Construction of permanent short shooting range.	400
M.I.K. Degree College, Balrampur.	-do-	400
K.S. Saket Mahavidyalaya, Faizabad.	-do-	400
Degree College, Ghazipur.	Purchase of water cooler.	575
-do-	Estt. of Text Books Library.	1,000
National Degree College, Barhalganj.	Estt. of Students' Aid Fund.	1,000
Kisan Degree College, Basti.	-do-	1,500

Gorakhpur Contd:

Degree College, Pratapgarh.	Grant towards revision of salary scales of teachers as per II Plan scales of pay	115.65
T.D. College, Jaunpur.	-do-	1,862.03
Udai Pratap College, Varanasi.	-do-	1,076.03
Harish Chandra Degree College, Varanasi.	-do-	962.50
Town Degree College, Ballia.	-do-	1,574.70
Budha Degree College, Kushinagar(Deoria).	-do-	460.88
Kisan Degree College, Bahraich.	-do-	1,511.04
Sri Durgaji Degree College, Chandesar, Azamgarh.	-do-	2,209.51
S.N. College, Azamgarh.	Expansion of Science Education.	5,000
St. Andren's College, Gorakhpur.	-do-	10,000
Harish Chander Degree College, Varanasi.	-do-	5,000
D.A.V. College, Azamgarh.	Construction of laboratory and purchase of equipment furniture and books.	15,000
Shibli National Degree College, Azamgarh.	Financial assistance to teachers for research work in Humanities and Social sciences.	250
K.S.Saket Mahavidyalaya, Faizabad.	-do-	250
Total:		1,99,797.54

17.Gujarat.

	Grant towards revising salary scales of teachers as per II Plan scales of pay.	810.67
	-do-	1,813.33
	-do-	597.34
	-do-	1,089.64
	-do-	1,514.64
	-do-	860
	-do-	554.66
	-do-	624.99
	-do-	600.32
	-do-	1,244.67
	-do-	2,090.66
	-do-	1,429.34
	-do-	725.33
	-do-	661.33
	-do-	1,487.72
	-do-	1,194.67
	-do-	810.64
	-do-	725.32
	-do-	1,066.65
	Grant for implementing three year Degree Course scheme in the Colleges.	4,00,000
	Unassigned grant for the Fourth Plan period.	13,500
	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
	-do-	500
	-do-	500

Item 2(a)

- (37) Acceptance of the visit of Prof. R.S. Gorchakov under Item 21 of the Indo-Soviet Cultural Exchange Programme 1965-66.

...

Under Item 21 of the Indo-Soviet Cultural Exchange Programme 1965-66 Prof. R.S. Gorchakov, Assistant Professor of Economics in the Leningrad State University visited India from 1.11.66 to 5.4.67. He was deputed for work in the Department of Economics, Delhi University. Originally Prof. Gorchakov was scheduled to come for a year and under the terms of assignment for a year he could bring his family to India. There are different terms of assignment of teachers for a period of less than 6 months. His services were availed of for about 5 months and the Commission agreed to fix his salary at Rs.1500/- per month plus lodging and allowance of Rs.150/- per month to meet his transport charges. As Prof. Gorchakov was accompanied by Mrs. Gorchakov, it was agreed that he would draw only half of his salary i.e. Rs.750/- per month plus the transport allowance, while the expenses on the lodging and boarding of Prof. Gorchakov and Mrs. Gorchakov would be met by the Commission as a special case.

The payments to Prof. Gorchakov towards his salary and allowances have accordingly been made through the Delhi University. The amount of expenditure incurred is Rs.3,750/- towards salary and Rs.12,046.45 towards maintenance.

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- (38) Assistance towards the establishment of Hobby Workshops in the universities.

...

The Commission provides financial assistance to universities for the establishment of Hobby Workshops to the extent indicated below:-

(a) Building	-	Rs. 25,000/-
(b) Equipment	-	Rs. 25,000/-
(c) Staff and Contingencies	-	Rs. 5,000/- per annum for 5 years

The Hobby Workshop Scheme is being implemented in 17 Universities. The following decisions have been taken to finalize the Hobby Workshop Scheme in these universities during the Fourth Plan period:

Affiliated Colleges.

Gujarat Contd:

V.S. Patel College of Arts and Science, Bilimora.	Purchase of water cooler.	1,100
-do-	Financial assistance to teachers for research or learned work in Humanities and Social Sciences.	250
B. Ed. College, Bhavnagar.	--do-	500
V.S. Patel College of Arts & Science, Bilimora.	Estt. of Text Book Library.	1,000
S.B. Garda and B.P. Baria Science Institute, Navsari.	--do-	334.30
Arts & Science College, Bardoli.	-do-	1,000
Kamani Science College and Prataprai Arts College, Awreli.	-do-	1,000
L.D. College of Engg. Ahmedabad.	Establishment of Students' Aid Fund.	2,250
Lallubhai Motilal College, of Pharmacy, Ahmedabad.	-do-	1,750
Sheth H.A. College of Commerce Ahmedabad.	-do-	3,000
St. Xavier's College, Ahmedabad.	-do-	3,000
City Law College, Ahmedabad.	-do-	1,750
M.S. Science Institute, Ahmedabad.	-do-	3,000
New Law College, Ahmedabad.	-do-	1,750
S.V. Regional College of Engg. and Tech. Surat.	-do-	835
Arts & Science College, Bhadran	-do-	500
-do- Rajkot.	-do-	894
J.M. Sha Arts & Commerce College, Jambusar.	-do-	976
Vidya Mandir College for Women, Surat.	-do-	743
Navjivan Arts & Commerce College, Dohad.	-do-	687
L.D. Arts College, Ahmedabad.	Estt. of General Education library.	500
Shree H.K. Arts College, Ahmedabad.	Construction of Mens' Hostel.	1,323
	Total:	<u>4,63,149.22</u>

18. Indore.

Unassigned grant for the year 1966-67.	6,000
-do- for the Fourth Plan period.	9,000

Affiliated Colleges.

Govt. New Girls' Degree College, Indore.	Purchase of Library books	2,000
-do-	Estt. of Students' Aid Fund.	1,500
	Total:	<u>18,500</u>

p.t.o



19. Jabalpur.

Construction of University library building.	30,000
Purchase of furniture for Arts Block Building.	30,000
Construction of Arts Block Bldg.	60,000
Grant for implementing Three Year Degree Course Scheme in the Govt. Colleges.	17,145
-do- Non-Govt. Colleges.	28,752.19
Establishment of Students Health Centre.	10,000
Construction of Guest House.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Purchase of library books & journals for various Science Deptts.	25,000
Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	750
Construction of post-graduate hostel for 100 students.	35,000
-do- 8 Lecturers' quarters.	20,000
-do- Teachers' Hostel.	5,000

Affiliated Colleges.

Hitka ni Mahavidyalaya, Jabalpur.	Development of postgraduate studies in Humanities and Social Sciences.	2,000
G.S. College of Commerce and Economics, Jabalpur.	-do-	6,445.50
-do-	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Shyam Sundar Agrawal College, Sibora	Construction of Mens' Hostel and Wardens' quarters.	1,510
	Total:	<u>3,05,852.69</u>

20. Jadavpur.

Purchase of books on general education.	500
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	125
-do- Science, Engg. & Tech.	375
-do- Science.	1,500
-do-	500
-do-	750
-do-	500
Grant-in-aid for postgraduate course in Electrical Engineering.	40,000
Grant-in-aid for construction of multi-storeyed building for postgraduate Courses in Civil Engg. Telecommunication, Engineering etc.	3,00,000

Jadavpur Contd:

Grant-in-aid for major repairs to the Workshop of the College of Engg. & Tech.	5,960.69
Grant-in-aid for postgraduate Course in Food Technology.	18,000
Cultural Exchange programme between India and Bulgaria.	184
Total:	<u>3,77,394.69</u>

21. Jammu & Kashmir.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate and Training Colleges at Srinagar.	25,000
Grant towards holding a Refresher Course in English.	6,500
Unassigned grant for the Fourth Plan period.	13,500
Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	250
-do-	500
-do-	375
Construction of Teachers' Hostel at University Campus, Jammu.	10,000

Affiliated Colleges.

Govt. Agriculture College <i>Jammu</i>	Construction of permanent shooting range.	2,400
	Total:	<u>58,525</u>

22. Jiwaji.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate and Training Colleges at Gwalior.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Basic Grant for the purchase of Scientific equipment.	15,000

Affiliated Colleges.

P.G. Vigyan Mahavidyalaya, Gwalior.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
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Jiwaji Contd:

Madhav Engg. College, Gwalior.	Establishment of Students' Aid Fund.	2,250
Govt. Girls' Degree College, Moror.	-do-	1,500
	Total:	<u>53,000</u>

23. Jodhpur.

Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for research work in Science, Engg. and Technology.	500
-do-	250
-do-	375
-do- Science subjects.	250
Purchase of library books and journals for the development of Engg. & Tech. Education.	10,000
	<u>20,375</u>
Total:	

24. Kalyani.

Unassigned grant for the Fourth Plan period.	9,000
Total:	<u>9,000</u>

25. Kanpur.

Grant for organising a Summer Institute in Mathematics for teachers for Secondary Schools/PUC/Intermediate and Training Colleges at Kanpur. 25,000

Affiliated Colleges.

Bipin Behari College, Jhansi.	Grant towards revising salary scales of teachers as per II Plan scales of pay.	122.50
Badri Vishal Degree College, Farukhabad.	-do-	1,085.00
Bundelkhand College, Jhansi.	-do-	112.50
H.K.P. Degree College, Sitapur.	-do-	346
Kanya Kubja College, Kanpur.	-do-	315
Dayanand Subhas National Degree College, Unnao.	-do-	898.30
Atarra Degree College, Atarra.	-do-	533.66
Dayanand Vedic College, Orai.	-do-	52.50
Bundelkhand College, Jhansi.	Development of postgraduate studies in Humanities and Social Sciences.	10,000
Janta Degree College, Ajitmal.	Expansion of Science education.	10,000
D.V. College, Orai.	Construction of Science Block.	20,000
-do-	Expansion of Science education.	10,000

Kanpur Contd:

S.S.V. College, Hapur.	Grant of Junior Research fellowship for undertaking research work in Himalayan Geology.	3,600
A.N.D.M.M. College, Kanpur.	Financial assistance to teachers for research work in Humanities and Social Sciences.	250
Christ Church College, Kanpur.	-do-	250
Acharya Narendra Dev Mahapalika Mahila Degree College, Kanpur.	Establishment of Text Books Library.	5,000
	Total:	87,565.46

26. Karnatak.

	Grant towards the scheme of research in Social Welfare entitled "A profile of rural youth".	2,500
	-do- "Child problems and Welfare measures in Hubli".	3,000
	Purchase of library books and journals for Various Science Deptts.	10,000
	Unassigned grant for the Fourth Plan period.	13,500
	Award of Senior Research fellowships in Science.	995.38
	Extension in fellowship tenure of Junior fellowships in Humanities.	1,795.48
	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
	-do- Humanities and Social Sciences.	300
	Purchase of water cooler.	1,500

Affiliated Colleges.

P.C. Jabin College, Hubli.	Estt. of Text Book Library.	1,000
Karnatak Science College, Dharwar.	Estt. of Students' Aid Fund.	2,250
Shri Kadasiddeshwar Arts College, H.S.K. Science Institute, Hubli.	Construction of staff quarters.	10,000
S.B. College of Arts & Science, Gulbaraga.	-do-	35,000
G.I. Bagewadi Arts & Science College, Nipam.	-do-	16,658
B.V.B. Engg. College, Hubli.	Financial assistance to teachers for research or learned work in Science subjects.	250
Engg. College, Gulbarg.	-do-	750
Engg. College, Bagalkot.	-do- Humanities & Social Sciences.	375
Manipal Engg. College, Manipal.	Construction of permanent short shooting range.	400

Total: 1,00,773.86

27. Kerala.

Grant for organising a Summer Institute in Physics for teachers from Higher Secondary Schools/PUC/Intermediate & Training Colleges.	25,000
-do- Biology.	25,000
-do- Animal Physiology.	25,000
Grant towards the scheme of small scale Dialect Survey Project.	1,200
Purchase of library books & journals for Various Science Deptts.	50,000
Unassigned grant for the Fourth Plan period.	13,500
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	1,800
Contingency grant for Junior Research fellowships in Humanities.	500
Utilisation of services of retired teachers.	4,161.29
Financial assistance to teachers for research work in Humanities and Social Sciences.	1,000
-do-	250
-do-	250
-do- Science subjects.	1,250
Cultural Exchange programme between India and Hungary.	183.10
-do- India and U.S.S.R.	504.60
<u>Affiliated Colleges.</u>	
Sri Sankara College, Kalady	Construction of permanent short shooting range. 400
N.S.S. College, Pandalam.	Estt. of Text Book Library. 1,000
N.S.S. College of Engg. Palaghat.	Establishment of Students' Aid Fund. 1,568
Medical College, Trivandrum.	-do- 2,408
N.S.S. Hindu College, Changanacherry.	Development of postgraduate studies in Humanities and Social Sciences. 10,000
Mar Thoma, College, Tiruvalla.	Estt. of Hobby Workshop. 2,500
St. Berchmans' College, Changanacherry.	-do- 2,500
-do-	Utilisation of services of retired teachers. 1,500
Govt. Victoria College, Polghat.	Financial assistance to teachers for research work in Science subjects. 750
Christ College, Irinjalakuda.	-do- 500
Mahatma Gandhi College, Trivandrum.	-do- 1,250
St. Teresa's College, Ernakulam.	Development of postgraduate deptt. of Botany. 10,000
	Total: 1,83,774.99

28. Kurukshetra.

Grant towards holding a Summer School in	18,000
Physics and Chemistry on Macromolecules.	
Construction of Press building.	6,652.95
Grant towards the salary of the staff	50,000
relating to Humanities and Social Sciences	
Depts.	
Unassigned grant for the Fourth Plan	9,000
period.	
Grant- for meeting the expenses for	11,422
crating, packing, and freight of the	
Cyclotron from Rochester(USA) to	
Kurukshetra.	
Construction of Physics Block Bldg.	2,50,000
Grant-in-aid for the construction	2,00,000
of Chemistry Block Building.	
Financial assistance to teachers for	500
undertaking research or learned work	
in Humanities & Social Sciences.	
Construction of 2nd Women's Hostel.	1,00,000
-do- Women's Hostel.	6,789
-do- Readers and Lecturers' quarters.	2,253
	6,54,616.95
Total:	6,54,616.95

29. Lucknow.

Grant for publishing the proceedings of	2,700
Seminar on Local Government.	
Grant for holding a Summer School in	5,500
Modern Trends of Sociology and Social	
Work.	
-do- Modern Algebra.	8,000
Construction of buildings for the depts.	
of Physics, statistics & Geology.	1,60,000
Grant towards the scheme of upgrading	800
University - research and teaching in deve-	
lopment planning and administration through	
Survey Research Programme.	
Grant towards research fellowships in	9,200
Himalayan Geology.	
Purchase of Scientific equipment for	15,622.37
Various Science Depts.	
Travel grant to Dr. M.K. Goel to attend	284
the International Orthopaedic Conference at	
Singapore & Hong Kong.	
Unassigned grant for the Fourth Plan	13,500
period.	

p.t.o

Lucknow Contd:

Financial assistance to teachers for undertaking research or learned work in Science Subjects.	250
-do-	500
-do-	250
Contingency grant for Senior Research fellowships in Humanities.	500
-do- Jr. Research -do-	1,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	3,010.22
Contingent grant for Sr. Research fellowships in Science.	999.76
-do- Jr. Research fellowships in Humanities.	500
Financial assistance to teachers for undertaking research or learned work in Science subjects.	750
-do- Humanities & Social Sciences.	250
-do-	250
Grant for the establishment of Delegacy Centres.	10,000
 <u>Affiliated Colleges.</u>	
Isabella Thouburn College, Lucknow. Purchase of water cooler.	500
D.A.V. Degree College, Lucknow Grant towards revising of salary scales of teachers as per II Plan scales of pay.	1,187.98
Nari Shiksha Niketan Degree College, Lucknow. d-do-	26.25
Karamat Hussain Girls' Degree College, Lucknow. -do-	761.25
Lucknow Christian College, Lucknow. Expansion of Science Education.	7,358
Kanya Kubja Degree College, Lucknow. ddo-	8,000
	2,51,699.83
Total:	

30. Madras.

Grant towards the scheme of preparation of Topographical list of inscription.	2,754
Construction of Solvent Storage room for organic Chemistry deptt.	8,000
Unassigned grant for the Fourth Plan period.	22,500
Contingent grant for utilisation of services of retired teachers.	664.17
Financial assistance to teachers for research work in Humanities and Social Sciences.	750
Grant-in-aid for the increase in intake capacity and introduction of 5-year Integrated Course in Chemical Engg. at A.C. College of Technology.	31,000

Madras Contd:

Grant-in-aid towards the award of Jr. fellowships to the students admitted to the Courses in Town Planning at the School of Architecture.	3,022.58
-do- postgraduate courses in Engg. and Technology.	18,000
Grant-in-aid for the introduction of Courses in Town Planning at the school of Architecture.	15,000
Scheme for the award of travel grant to teachers, research scholars etc.	401
Scheme for the establishment of Students' Home.	20,000
Cultural Exchange programme between India and Hungary.	502.63
Construction of postgraduate hostel for 100 students.	75,000
Cultural Exchange programme between India and Yugoslavia.	440.85
-do- India & Bulgaria.	236.65.
-do- India & West Indies.	638.35
-do- India & U.S.S.R.	407.78
-do-	317.10
-do-	337.50
Grant for meeting the expenditure on the Centre of Advanced Study in Botany.	1,68,000

Affiliated Colleges.

Islamia College, Vaniyambadi.	Construction of permanent short shooting.	400
P.S.G.R. Krishnammal College for Women, Coimbatore.	Estt. of Text Book Library.	1,000
A.V.C. College, Mayuram.	Estt. Students Aid Fund.	2,122
Govt. College, Salem-7.	Estt. of Non-Resident Students' Centre.	5,000
The Ethiraj College, Egmore.	-do-	5,000
Rajah Serfoji Govt. College, Thanjavur.	-do- Hobby Workshop.	1,000
D.G.V. College, Madras.	Extension of Laboratory and Library facilities.	10,000
The Women's Christian College, Madras.	Construction of library building and purchase of library books & furniture.	50,000
Sri Theagraya College, Madras.	Estt. of Non Resident Students' Centre.	8,000
Madras Christian College, Tumberam(Madras).	Contingency grant for Jr. Research fellowships in Humanities.	700
Madras Veterinary College, Madras.	Financial assistance to teachers for research work in Science, Engg. and Technology.	1,000
P.S.G. College of Technology, Coimbatore.	-do- Science subjects.	750
Madras Christian College, Madras.	-do-	1,000
Vivekananda College, Madras.	-do-	750
Coimbatore Institute of Technology Coimbatore.	-do-	750
Sri Thiagraja College, Madras.	-do- Hum. & Social Sc.	250
Loyola College, Madras.	-do-	500



Madras Contd:

St. Joseph's College, Tiruchirapalli.	Grant towards the development of postgraduate deptts. of Physics, Chemistry, Botany and Mathematics.	60,000
National College, Tiruchirapalli.	-do- Physics.	2,000
	Total:	5,18,194.61

31. Madurai.

	Unassigned grant for the Fourth Plan period.	6,500
	Purchase of library books and journals for Various Science Deptts.	31,200
<u>Affiliated Colleges.</u>		
American College, Madurai.	Financial assistance to teachers for research work in Science subjects.	500
-do-	-do-	750
Thiagrajar College, Madurai.	-do-	1,000
Sri Palani Andavar Arts College, Palani.	Estt. of Text Book Library.	3,000
-do-	Estt. of Students' Aid Fund.	2,022
Agricultural College, Madurai.	-do-	664
	Total:	47,636

32. Magadh.

	Unassigned grant for the Fourth Plan period.	9,000
	Contingency grant for Jr. Research fellowships in Humanities.	1,000
	Utilisation of services of retired teachers.	7,625
	Award of Jr. Research fellowships in Humanities and Social Sciences.	5,039.29
	-do-	4,942.86
	Construction of Teachers' Hostel.	30,000
<u>Affiliated Colleges.</u>		
Ajabit Singh College, Bikramganj.	Estt. of Text Book Library.	5,000
Kisen College, Sohsarai.	-do-	1,000
Sheodani College, Mehandia (Arwal) Gaya.	Estt. of Students' Aid Fund.	615
B.S. College, Dinapore.	Purchase of library books.	7,500
Kisan College Sohsarai.	Construction of Mens' Hostel.	10,000
M.V. Mahavidyalaya, Buxar.	Establishment of Non-Resident Students' Centre.	10,000
Gaya College, Gaya.	Financial assistance to teachers for research or learned work in Humanities and Social Sciences.	150
-do-	-do-	250
	Total:	92,122.15

33. Marathwada.

Grant for organising a Summer Institute in Physics for School teachers.	453.62
Grant for purchase of Semi Micro Analytic equipment.	4,950
Unassigned grant for the Fourth Plan period.	9,000
Purchase of Scientific equipment for Various Science deptts.	91,000
Construction of building for the deptts. of Chemistry, Botany and Math.	60,000
Construction of building for the deptt. of Physics.	25,000
Financial assistance to teachers for research or learned work in Science subjects.	500
-do-	1,500
-do-	1,000
-do-	750

Affiliated Colleges.

S.B. College, Aurangabad.	Financial assistance to teachers for research or learned work in Science subjects.	750
Ramakrishna Mahavidyalaya, Osmanabad.	-do- Science, Engg. & Tech.	250
-do-	-do- Humanities and Social Sciences.	250
Govt. College of Arts, Aurangabad.	-do-	500
Dr. Ambedkar College of Aurangabad.	Estt. of Text Book Library.	1,000
		1,96,903.62
Total:		<hr/>

34. M.S. University of Baroda.

Purchase of books & Journals for the Community Development, Cooperation and Panchayati Raj.	1,000	
Unassigned grant for the Fourth Plan period.	13,500	
Construction of Animal House for the Deptts. of Bio-chemistry, Zoology and Faculty of Home Science.	50,000	
Contingent grant for utilisation of the services of retired teachers.	1,000	
-do-	1,000	
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250	
-do-	250	
Grant-in-aid for the development of the Five Year Degree Course in Chemical Engg.	32,000	
Cultural Exchange programme between India and Hungary.	213.45	
		99,213.45
Total:		<hr/>

35. Meerut.

On account advance grant for organising a Summer Institute in Mathematics for College teachers. 25,000

Affiliated Colleges.

Meerut College, Meerut.	Utilisation of services of retired teachers.	4,500
-do-	Financial assistance to teachers for undertaking research or learned work in Science Subjects.	750
J.V. College, Baraut.	-do-	500
College of Science Gurukul Kangri.	Grant towards revision of salary scales of teachers as per II Plan scales of pay.	138.38
Digamber Degree College, Dibai, Bullandshaher	-do-	367.50
Arya Kanya Pathashala Degree College, Hapur.	-do-	1,001.73
K.L.D.A.V. College, Roorkee.	-do-	392.33
Multanimal Modi College, Modinagar.	-do-	804.69
M.M. Degree College, Khekra.	-do-	17.50
R.S.K. Degree College, Simbhaoli.	-do-	1,293.30
Jat Vedic College, Baraut.	-do-	435.16
Kund Kund Jain College, Khatauli.	-do-	13.25
Meerut College, Meerut.	-do-	16.45
K.V. Degree College, Machhra.	-do-	1,234.05
D.A.V. College, Dehradun.	-do-	4.59
Multani Mal Modi College, Modinagar.	Development of postgraduate studies in Humanities & Social Sciences.	2,230.26
D.A.V. College, Dehradun.	Construction of Women's Hostel.	2,563
M.K.P. College, Dehradun.	Expansion of Science Education.	35,000
D.N. College, Meerut.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
Meerut College, Meerut.	-do- Humanities.	150
-do-	-do-	150
D. Jain College, Baraut.	-do-	250
M.M. Modi College, Modinagar.	-do-	250
-do-	-do-	500
M.M.H. College, Ghaziabad.	-do-	125
Total:		78,087.19

36. Mysore.

Grant towards revision of salary scales of University teachers. 1,90,000  
 Grant towards survey of mentally handicapped children in Mysore City. 583  
 Development of the Sociology and Commerce deptts. 50,000

Mysore Contd:

Construction of the building for the Institute of Kannada Studies.	50,000
Unassigned grant for the Fourth Plan period.	13,500
Contingency grant for Jr. Research fellowships in Humanities.	1,000
-do-	500
Utilisation of services of retired teachers.	6,000
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
Cultural Exchange programme between India & U.S.S.R.	490.19

Affiliated Colleges.

M.G.M. College, Udipi.	Financial assistance to teachers for research or learned work in Humanities and Social Sciences.	250
Maharani's College, Mysore.	-do-	250
-do-	-do-	1,250
M.R.S. College of Arts & Commerce, Malleswaram.	-do-	375
Kalapat aru College, Tiptur.	-do-	500
Govt. College, Tumkur.	-do- Science subjects	500
D.R. College of Commerce and Arts, Mysore.	-do-	125
D. Banumiah's College of Commerce, Mysore.	Estt. of Text Book Library.	1,000
Smt. Vishin Devi Harbhagwandas Dhanoomal Central Institute of Home Science, Bangalore.	Estt. of Students' Aid Fund.	750
M.R.S. College of Arts & Commerce, Mallerwaram(Bangalore).	-do-	1,318
Saradavilas Teachers' College, Mysore.	-do-	500
Kalpataru College, Tiptur.	Construction of library building.	17,667
St. Ann's Training College, Mangalore.	-do- Women's Hostel.	8,425
D. Banumiah's College of Commerce & Arts, Mysore.	Purchase of library books.	10,000

Total: 3,55,233.19

37.Nagpur.

Improvement of salary scales of College teachers.	90
Implementation of the scheme of Research in Social Welfare entitled "An investigation - Delinquency in School-going children in Wardha town.	2,790

Nagpur Contd:

Development schemes of higher education and research in (i) Humanities and Social Sciences (ii) Law Deptt.	60,000
Unassigned grant for the Fourth Plan	13,500
Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
-do- Science, Engg. & Technology.	500
-do- Humanities & Social Sciences.	250
Construction of Teachers' Hostel.	75,000
Establishment of Non-Resident Students' Centre.	15,000

Affiliated Colleges.

St. Francis de sales College, Nagpur.	Construction of permanent short shooting range..	400
S.B. City College, Nagpur.	Estt. of Text Book Library.	1,000
Yeshwant Arts College, Wardha.	-do-	5,000
Shri Shivaji College of Arts & Commerce, Akola.	Estt. of Students' Aid Fund.	1,350
D.V.S.P. College, Digras.	-do-	775
Hislop College, Nagpur.	-do-	3,000
Bharatiya Mahavidyalaya, Amravati.	-do-	750
G.P. & Berar Education Society's College, Nagpur-2.	-do-	2,155
Swavalambi College of Education, Wardha.	-do-	132
K.N. College of Arts & Commerce Karanja.	-do-	500
Hislop College, Nagpur.	Construction of Science laboratories.	6,445
S.B. City College, Nagpur.	Purchase of equipment for Hobby Workshop.	2,000
-do-	Recurring grant for Hobby Workshop.	1,000
Vidarbha Mahavidyalaya, Amravati.	Financial assistance to teachers for research work in Science, Engg. and Technology.	250

Total:

1,92,387

38. North Bengal.

Construction of University Library building.	20,000
Purchase of sacred books of the East Series.	3,400
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for for undertaking research or learned work in Science subjects.	125
-do-	125
-do-	150
-do-	500
-do-	500

p.t.o

North Bengal Contd:

	Construction of Teachers' Hostel.	70,000
	-do- Hostels for Men Students.	2,50,000
	<u>Affiliated Colleges.</u>	
Alipurduar College, Alipurduar.	Estt. of Text Book Library.	1,000
-do-	Estt. of Students' Aid Fund.	2,250
-do-	Construction of permanent short shooting range.	400
Jalpaiguri Engg. College, Jalpaiguri.	Financial assistance to teachers for research work in Science.	1,000
A.C. Training College, Jalpaiguri.	-do-	250
Ananda Chandra College, Jalpaiguri.	-do-	750
Loreta College, Darjeeling.	-do- Hum. & Social Sc.	250
		3,59,700
	Total:	3,59,700

39. Osmania.

Grant towards the field training of Geology students.	760
Purchase of library books and journals for Various Science deptts.	60,000
Unassigned grant for the Fourth Plan period.	13,500
Grant-in-aid for meeting the expenditure on field training work in Geology.	412
Utilisation of services of retired teachers.	4,883.33
Grant for Cyclostyling lecture notes of Prof. Gritzaenko, Unesco consultant to Geology Deptt.	750
Institution of postgraduate Research scholarships.	6,000
Award of Junior fellowships in Engg. Technology.	5,250
Construction of building of the P.G. Course in Civil Engineering.	1,00,000

Affiliated Colleges.

New Science College, Hyderabad.	Estt. of Text Book Library.	1,000
Anwar-ul-Uloom College, Hyderabad.	-do-	1,000
Badruka College of Commerce & Arts (Evening), Hyderabad.	Estt. of Students' Aid Fund.	1,750
Anwar-ul-uloom College (Evening) Hyderabad.	-do-	854
Vivek Vardhini College, Hyderabad.	-do-	2,500

Osmania Contd:

St. Francis College for Women, Secunderabad.	Establishment of Students Aid Fund.	1,590
Anwar-ul-uloom College, New Mallapalli (Hyderabad)	-do-	2,250
Women's College, Nizamabad.	-do-	500
New Science College, Hyderabad.	Construction of Library and laboratory facilities.	8,000
Anwar-ul-Uloom College, Hyderabad.	Construction of store room for Chemistry & Zoology laboratory.	10,000
-do-	Purchase of books.	1,000
-do-	Purchase of Science equipment	7,370
		2,29,169.35
	Total:	2,29,169.35

40. Panjab.

Grant towards the deptt. of Hindi at the Regional Centre for postgraduate studies at Simla.	3,000
Supply of sacred books of the East series.	3,349
Grant towards the scheme of a study of fourth General Election in India.	1,000
Construction of Cycle Shed for Arts Block III.	33.78
Unassigned grant for the Fourth Plan period.	13,500
Grant towards the scheme of research & training in development, Planning and Administration through Survey Research Programme.	10,000
Grant towards the Project for undertaking a Study of North-East Frontier of India with China.	3,000
Grant of providing gas pipe line for the deptts. of Bio-Chemistry, Bio-Physics and Micro Biology.	1,386
Utilisation of services of retired teachers.	2,816.67
Financial assistance to teachers for undertaking research or learned work in Science subjects.	125
-do-	750
-do-	500
-do-	125
-do-	750
-do-	500
-do-	500
-do-	500
-do- Sc.Engg. & Tech.	250
-do- Hum. & Social Sc.	250
-do-	250
-do-	500
-do-	500
-do-	500

Panjab Contd:

1

Grant-in-aid for water supply and storage arrangements for laboratories and workshops for the deptt. of Chemical Engg./Tech.	8,761
Award of Junior fellowships to students of Postgraduate Course in Engg./Tech.	6,000
Recurring grant for the Postgraduate courses in Chemical Engg./Tech. and Pharmacy.	1,00,000
Purchase of library, books and journals for the development of Engg./Tech. education.	10,000
Construction of Teachers' Hostel.	50,000
Establishment of students' Aid Fund.	10,000

Affiliated Colleges.

Govt. College, Bilaspur.	Purchase of water cooler.	1,000
Vaish College, Bhiwani.	-do-	386.87
A.S. College, Khanna.	-do-	500
Khalsa College, Amritsar.	-do-	500
Govt. College, Muktsar.	Estt. of Text Book Library.	5,000
Dayal Singh College, Karnal.	-do-	1,000
Arya College, Panipat.	Estt. of Students' Aid Fund.	1,750
Govt. College, Dharamsala.	-do-	2,250
Khalsa College for Women, Sidhwan Khurd.	-do-	1,400
R.K.S.D. College, Kaithal	-do-	1,500
Fateh Chand College for Women (Lahore) Hissar.	-do-	1,500
Govt. College for Women, Chandigarh.	-do-	3,000
G.G.H. Khalsa College, Ludhiana.	-do-	1,750
A.I.Jat Heros Memorial College, Rohtak.	-do-	2,250
V.V. Research Institute, Hoshiarpur.	Grant towards the salary of Shri S.K. Swami Research Associate to Dr. Siderhwar Verma.	1,734.20
Lajpat Rai Memorial College, Jagraon.	Purchase of library books.	2,000
Sikh National College, Banga.	Estt. of Non-Resident Students' Centre.	10,000
Teachers' Training College, Rewari.	Purchase of Library equipment, furniture and books.	15,000
Baring Union Christian College, Batala.	Estt. of Non-Resident Students' Centre.	5,000
Hindu College, Sonapat.	-do-	5,000
Govt. Training College, Solan.	Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	375
G.N. College, Guru Tegh Bahadur Garh.	-do-	250
Vishveshvaramand Institute of Studies, Chandigarh.	-do-	500
Govt. College, Sangrur.	-do-	250

Total: 2,92,742.52



41. Panjab Agricultural University, Ludhiana.

Affiliated Colleges.

College of Agriculture, Hissar.	Establishment of Students' Aid Fund.	764
	Total:	<u>764</u>

42. Patna.

Grant towards holding a Seminar in History.	6,000
Grant towards holding a Summer School in Geography.	6,000
Purchase of library books and journals (Humanities).	1,00,000
Grant for implementing the three year Degree Course scheme in non-Govt. Colleges.	59,387.16
Unassigned grant for the Fourth Plan period.	13,500
Financial assistance to teachers for research work in Science, Engg. & Tech.	500
-do- Humanities & Social Sciences.	500
-do-	750
-do-	250
-do-	250
Construction of teachers' Hostel.	50,000

Affiliated Colleges.

B.N. College, Patna.	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	125
	Total:	<u>2,37,262.16</u>

43. Poona.

Grant for holding a Summer Institute in English.	11,300
Grant towards the scheme of a study of General Elections 1967.	1,500
Unassigned grant for the Fourth Plan period.	13,500
Financial assistance to teachers for undertaking research or learned work in Science.	1,250
-do-	750
Grant towards the expenditure in respect of the Russian teacher deputed to the University under the Indo-Soviet Cultural Exchange Programme.	4,200

Affiliated Colleges.

M.J. College, Jalgaon.	Estt. of Text Book Library	1,000
M.S.G. Arts Science & Commerce College, Malegaon.	-do-	5,000

Poona Contd:

S.P.D.M. Arts & Commerce College, Shirpur.	Estt. of Students' Aid Fund.	963
Pratap College, Amalner.	-do-	2,500
M.J. College, Jalgaon.	Estt. of General Education Library.	500
Sir Parshurambhan College, Poona.	Special grant for the extension of Physical facilities and laboratory equipment.	1,000
B.Y.K. College of Nasik.	Estt. of General Education Library	500
Nowrosjee Wadia College, Poona.	Special grant for the purchase of books equipment, furniture and extension of Physical facilities.	10,000
Maharashtra Association for the Cultivation of Science, Poona.	Contingent grant for utilisation of Services of retired teachers.	1,000
M.E.S. College, Poona.	Financial assistance to teachers for research work in Science subjects.	600
-do-	-do- Humanities & Social Sciences.	375
Dr. B.A. College of Arts and Commerce, Mahad.	-do-	250
-do-	-do-	250
Ahmednagar College, Ahmednagar.	-do-	500
		56,938
	Total:	

44. Punjabi.

Grant for preparation of reading material in connection with General Education programme.	5,000
Unassigned grant for the Fourth Plan period.	9,000
Purchase of Scientific equipment for Various Science deptts.	50,000
Total:	64,000

45. Rabindra Bharati.

Unassigned grant for the Fourth Plan period..	4,500
Utilisation of Services of retired teachers.	6,000
Contingent grant for utilisation of services of retired teachers.	737.24
Utilisation of services of retired teachers.	2,000
Award of Junior Research fellowships in Humanities and Social Sciences.	5,277.42
	18,514.66
Total:	

46. Rajasthan.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools; PUC/Intermediate and Training Colleges.	25,000
Grant for organising a Summer Institute in Biology for College teachers.	25,000
Grant towards the scheme of research unit in para-psychology.	20,000
-do- upgrading unit-Research and Teaching in development Planning and administration through survey Research Programme.	3,000
Unassigned grant for the Fourth Plan period.	13,500
Contingency grant for Junior Research fellowships in Humanities.	1,000
Financial assistance to teachers for research work in Science, Engg. and Technology.	250
-do- Sc. Engg. & Tech.	575
-do-	250
-do-	500
-do- Science subjects.	150
-do-	1,000
-do- Humanities and Social Sciences.	250
-do-	250

Affiliated Colleges.

Govt. College Tonk.	Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences.	250
Govt. College, Baran	-do- -do- Science subjects.	250
Govt. College, Ajmer.	-do-	500
Maharajas' College, Jaipur	-do-	750
Maharani's College, Jaipur.	-do-	750
Govt. College, Ajmer.	-do- Science, Engg. and Technology.	500
M.R.E. College, Jaipur.	-do- Science subjects	750
Govt. College, Bhilwara.	-do-	250
Maharani's College, Jaipur.	-do- Sc. subjects & Tech.	500
Govt. College, Ajmer.	-do-	500
Govt. College Bhilwara	-do- p.t.o	500

Rajasthan Contd:

Malviya Regional Engg. College, Jaipur.	Financial assistance to teachers for undertaking research of learned work in Humanities & Social Sciences.	250
S.S.G. Pareek Teachers' Training College, Jaipur.	-do-	375
Govt. College, Kotputli.	-do-	250
M.R. Engg. College, Jaipur.	-do-	250
Govt. Degree College, Tonk.	-do-	500
Seth R.N. Rana College, Ramgarh.	Construction of permanent short shooting range.	400
Agrawal College, Jaipur.	Purchase of water cooler.	500
Bangur College, Didwana.	Estt. of Students' Aid Fund.	495
Govt. College, Bundi.	-do-	608
S.G.N. Khalsa College, Sriganganagar.	-do-	1,500
Govt. College Barmer.	-do-	609
Chirawa College, Chirawa.	-do-	1,410
Raj Rishi College, Alwar.	-do-	1,000
Seth G.L. Bihani S.D. (P.G.) College, Sriganganagar.	Purchase of Library books.	5,000
Dayanand College, Ajmer.	Estt. of Hobby Workshop.	1,800
Total:		1,10,972

47.Ranchi.

	Grant towards the scheme of strengthening of teaching staff.	60,000
	Unassigned grant for the Fourth Plan period.	9,000
	Utilisation of services of retired teachers.	4,193.55
	Financial assistance to teachers for undertaking research or learned work in Science subjects.	150
	-do-	500
	-do-	500
<u>Affiliated College.</u>		
Jamshedpur Cooperative College, Jamshedpur.	Construction of staff quarters.	10,000
Birla Institute, Ranchi.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
Total:		84,843.55

48.Ravishankar.

	Unassigned grant for the Fourth Plan period.	9,000
	Contingency grant for Sr. Research fellowships in Humanities.	1,000
	Extension in fellowships tenure of Research fellowships in Humanities.	3,000
	Grant towards implementation of the scheme of exchange of teachers during the academic year 1965-66.	2,565.10

Ravishankar Contd:

Affiliated Colleges.

Durga Mahavidyalaya, Raipur.	Estt. off Students' Aid Fund.	3,000
J.N.M. College. Dongargarh.	-do-	750
-do-	Purchase of library books.	1,500
Govt. College of Science, Raipur.	Financial assistance to teachers for research work in Science subjects.	500
College of Engg. Raipur.	-do-	1,250
College of Science, Raipur.	-do- Science, Engg. & Tech.	250
Total:		<u>22,815.10</u>

49. Roorkee.

Grant towards holding a Seminar in Photo Elasticity and Instrumentation.	6,700	
Grant towards holding a Summer School in Engg. problems.	6,500	
Unassigned grant for the Fourth Plan period.	9,000	
Financial assistance to teachers for undertaking research or learned work in Science subjects.	1,000	
-do- Science, Engg. & Tech.	1,000	
Grant-in-aid for additional facilities on the bifurcation of the deptts. of Electrical and Telecom. Engg.	50,000	
Grant-in-aid towards the award of Jr. 3, fellowships to the students admitted to M.E. Courses during 1966-67.	3,35,000	
-do- 1965-66	49,925	
Grant-in-aid for the introduction of Postgraduate Course in Telecom. Engg.	75,000	
-do- Civil Engg.	1,00,000	
Grant-in-aid for additional space for degree classes in Engg.	10,000	
Construction of staff quarters.	40,000	
Cultural Exchange Programme between India and U.S.S.R.	18.40	
-do-	162.12	
Estt. of Students' Aid Fund.	10,000	
Total:		<u>6,94,305.52</u>

50. S.N.D.T. Women's  
University, Bombay.

Unassigned grant for the Fourth Plan period.	9,000	
Utilisation of services of retired teachers..	7,500	
Total:		<u>16,500</u>

51.Sardar Patel  
University.

Unassigned grant for the Fourth Plan period. 9,000

Affiliated Colleges,

B.A. College of Agriculture, Anand. Estt. of Students'Aid Fund. 2,155  
Total: 11,155

52.Saugar.

Grant towards the scheme of holding Seminar on "Abolition of the post of the Block Development Officer in M.P.". 3,000  
Grant towards the salary of additional staff appointed in Various Science Depts. 38,777  
Purchase of Library books & journals in Science subjects. 80,000  
Grant for implementing the three year year degree course scheme in the colleges. 25,000  
Unassigned grant for the Fourth Plan period. 13,500  
Financial assistance to teachers for undertaking research or learned work in Science subjects. 150  
-do- 150  
-do- Humanities and Social Sciences. 250  
-do- 500  
-do- 500  
Contingency grant for Junior Research fellowships in Humanities. 1,000  
Award of studentships to the post-graduate students in Applied Geology Course. 11,358

Affiliated Colleges.

Govt. Degree Colleges, Balaghat. Financial assistance to teachers for undertaking research or learned work in Humanities & Social Sciences. 125  
Chhatisgarh College,Raipur. -do- 250  
Govt. Science College,Rewa. -do- Science subjects. 500  
Govt. Degree College, Sidhi. Estt. of Students' Aid Fund. 929  
Govt. College, Satna. -do- 2,500  
S.R.T.N.E.S. College, Barman. -do- 618  
Govt. Degree College, Piparia. -do- 500  
-do- Jagdalpur. -do- 1,408  
Narmada Mahavidyalaya, Hoshangabad. Estt. of Hobby Woerkshop. 2,000

Total: 1,83,015

53. Shivaji.

Construction of University Library building.	20,000
Grant towards the salary of additional staff appointed in Various Science Deptts.	44,000
Purchase of library books and journals for Science deptts.	20,000
Construction of building for the deptt. of Chemistry.	50,000
-do- Zoology.	20,000
-do- Physics & Mathematics.	25,000
Unassigned grant for the Fourth Plan period.	9,000
Utilisation of services of retired teachers.	5,774.18
Financial assistance to teachers for research work in Science, Engg. & Technology.	150

Affiliated Colleges.

Walchand College, of Engg. Sangli.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	1,225
-do-	-do- Science, Engg. & Tech.	1,000
Shri Shivaji Mahavidyalaya, Barsi.	-do- Humanities and Social Sciences.	375
-do-	-do-	250
Pandharpur College, Pandharpur.	-do- Science, Engg. & Tech.	500
Dayanand College of Education, Sholapur.	Purchase of water cooler.	345
D.A.V. Velankar College of Commerce, Sholapur.	-do-	500
Dayanand College of Arts & Science, Sholapur.	-do-	500
Rajaram College, Kolhapur.	Estt. off Text Book Library.	2,500
D.A.V. Velankar College of Commerce, Sholapur.	Estt. of Students' Aid Fund.	1,750
K.B.P. College, Urun Islampur.	-do-	1,500
Arts and Commerce College, Sangli.	-do-	1,500
R.P. Gogate College, Ratnagiri.	Purchase of Science laboratory equipment and books.	20,000
-do-	Construction of Women's Hostel.	10,000
Rajaram College, Kolhapur.	-do- Library building.	4,093
	Contingent grant for utilisation of services of retired teachers.	1,000
Total:		2,40,962.19

54. Sri Venkateswara.

Grant towards the salary of additional staff appointed in Various Arts Deptts.	25,000
-do- Science deptts.	66,200
Unassigned grant for the Fourth Plan period.	9,000

p.t.o

Sri Venkateswara  
Contd:

Financial assistance to teachers for undertaking research or learned work in Science subjects.	200
-do- Science, Engg. & Technology.	250
Construction of building for the establishment of University College of Engineering.	1,00,000
Purchase of library books/journals for Engg./Technological education.	15,000
Estt. of Non Resident Students' Centre.	5,000
Extension in fellowship tenure of Jr. Research fellowships in Humanities.	1,795.48
-do-	1,795.16

Affiliated Colleges.

Govt. Arts & Science College, Chitoor.	Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
S.D.G.S. College, Hindupur.	-do-	900
S.P.W. College, Tirupati.	-do-	250
V.R. College, Nellore.	-do-	500
Govt. College, Cuddapah.	Estt. of Text Book Library.	4,000
Total:		<u>2,30,390.64</u>

55. Udaipur.

Unassigned grant for the Fourth Plan period.	9,000
Grant-in-aid for establishment of work-shop during the Fourth Plan period.	33,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	500
-do-	1,000
-do-	750

Affiliated Colleges.

M.B. College, Udaipur.	Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	375
Vidya Bhawan Rural Institute, Udaipur.	-do-	250
Sharamjeevi College, Udaipur.	Estt. of Students' Aid Fund.	868
Udaipur School of Social work, Udaipur.	-do-	561
Total:		<u>46,304</u>

p.t.o



56. U.P. Agricultural  
University, Pant Nagar,  
(Nainital).

Award of Senior Research fellowships in Science.	5,616.67
Total:	<u>5,616.67</u>

57. Utkal.

Unassigned grant for the Fourth Plan period.	13,500
Purchase of Scientific equipment for deptt. of Geology.	10,000
Purchase of library books and journals on Science subjects.	20,000
Establishment of a Students' Health Centre.	25,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	250
-do- Humanities & Social Sciences.	250
Purchase of furniture for the postgraduate Women's Hostel.	5,000

Affiliated Colleges.

Science College, Keonjhar. Estt. of Students' Aid Fund.	207
Kendrapara College, Kendrapara. -do-	1,269
Kshatrabasi College, Nirkarpur. -do-	196
Khurda College, Khurda. -do-	820
Govt. Training College, Angul. -do-	631
Women's College, Bolangir. -do-	542
N.C. College, Jajpur. -do-	822
Khallikote College, Berhampur. Estt. of General Education Library.	500
Stewart Science College, Cuttack. -do-	500
B.J.S. College, Bhabaneswar. -do- Non Resident Students' Centre	5,000
Khallikote College, Berhampur. Construction of Mens' Hostel.	30,000
-do- Financial assistance to teachers for research or learned work in Humanities and Social Sciences.	250
Ravenshaw College, Cuttack. -do-	250
-do- -do-	500

Total: 1,15,487

58. Varanaseya Sanskrit  
Vishwavidyalaya.

Estt. of Printing Press.	25,000
Estt. of Health Centre.	10,000
Unassigned grant for the Fourth Plan period.	4,500

Total: 39,500

59. Vikram.

Grant for organising a Summer Institute in Mathematics for teachers from Secondary Schools/PUC/Intermediate and Training Colleges.	25,000
Purchase of sacred books of the East series.	306
Construction off Arts Block Building.	50,000
Grant for implementing the three year degree course scheme in the colleges.	26,253.50
Unassigned grant for the Fourth Plan period.	9,000
Financial assistance to teachers for undertaking research or learned work in Science subjects.	750
-do-	250
Construction off staff quarters.	75,000

Affiliated Colleges.

S.A. Technological Institute, Vidikta.	Financial assistance to teachers for research or learned work in Science subjects.	500
M.V. Mahavidyalaya, Bhopal.	-do- Science, Engg. & Tech.	250
Govt. College, Khargone.	-do- Humanities & Social Sciences.	250
Govt. Degree College, Shajapur.	-do-	250
P.G.B.T. College, Ujjain.	-do-	250
Govt. Degree College, Mandsur.	Estt. of Students' Aid Fund.	2,250
-do- Rajgarh.	-do-	859
-do- Narsinggarh.	-do-	1,304
Regional College of Education, Bhopal.	-do-	500
M.L.B. Girls' Degree College, Bhopal.	-do-	1,000
	Total:	<u>1,93,972.50</u>

60. Visva Bharati.

Development of postgraduate studies in Humanities & Social Sciences.	2,00,000
Construction off extension to the school laboratories for Physics, Chemistry and Biology.	45,000
Unassigned grant for the Fourth Plan period.	1,3500
Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	500
Grant towards the water supply scheme.	2,00,000
	<u>4,59,000</u>
Total:	<u>4,59,000</u>

INSTITUTIONS DEEMED TO BE UNIVERSITIES

1. Birla Institute of  
Technology & Science,  
Pilani.

Financial assistance to teachers for research work in Science, Engg. and Technology.	500
-do- Humanities & Social Sciences.	250
Purchase of library books and journals for the development of Engg. & Tech. Education.	8,000
Unassigned grant for the Fourth Plan period.	6,500
Grant towards the salary revision of University teachers.	13,536.94
Estt. of Students' Aid Fund.	3,968
Total:	<u>32,754.94</u>

2. Gujarat Vidyapith.

Financial assistance to teachers for undertaking research or learned work in Humanities and Social Sciences.	250
-do-	250
Unassigned grant for the Fourth Plan period.	6,500
Estt. of Hobby Workshop.	10,000
Total:	<u>17,000</u>

3. Gurukul Kangri Vishwa-  
vidyalaya, Hardwar.

Unassigned grant for the Fourth Plan period.	4,500
Purchase of books & Journals for all Science Departments.	3,000
-do- (Humanities)	<u>10,000</u>
Total:	<u>17,500</u>

4. Indian Agricultural Research  
Institute, New Delhi.

Award of Senior Research fellowships in Science.	6,000
Grant towards holding International Symposium on Plant Pathology.	2,500
Total:	<u>8,500</u>

5. Indian Institute of Science,  
Bangalore.

Extension in fellowship tenure of Senior Research fellowships in Engg. and Tech.	4,800
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Indian Institute of  
Science, Bangalore Contd:

Grant towards the change over of the Power system from 4.4 KV. to 11 KV.	50,000
Unassigned grant for the Fourth Plan period.	13,500
Construction of Guest House.	75,000
Total;	<u>1,43,300</u>

6. Indian School of Inter-  
national studies, New Delhi.

Estt. of Students' Aid Fund.	500
Unassigned grant for the Fourth Plan period.	9,000
Grant towards cost of land for school and hostel buildings.	13,338
Development of higher education and research in Humanities and Social Sciences.	1,50,000
Construction of School Building.	50,000
-do-	50,000
Total:	<u>2,72,838</u>

7. Jamia Millia Islamia,  
New Delhi.

Unassigned grant for the Fourth Plan period.	4,500
Grant towards furnishing of Arts Building.	8,000
Grant towards the salaries of additional/approved during III Plan.	50,000
/staff	
Total:	<u>62,500</u>

8. Kashi Vidyapith.

Utilisation of services of retired teachers.	3,854.84
Construction of staff quarters.	10,000
-do- Vice-Chancellors' House.	5,000
-do- Men's Hostel.	50,000
-do- Guest House,	5,000
Estt. of Non Resident Students' Centre.	6,000
-do- Hobby Workshop.	10,000
Construction of bldg. for the college of Social Work.	20,000
-do- press building.	10,000
Unassigned grant for the 4th Plan period.	6,500
Total:	<u>1,26,554.84</u>

9. Tata Institute of  
Social Sciences, Bombay.

Unassigned grant for the Fourth Plan period.	6,500
Total:	<u>6,500</u>

N O N P L A N

1. Aligarh Muslim University.

Maintenance grant for 1967-68	13,00,000
-do-	16,00,000
Grant for meeting the additional expenditure involved on pay of Nawab Ali Yavar Jung as Vice-Chancellor during 1967-68.	6,000
Total:	<u>29,06,000</u>

2. Banaras Hindu University.

Maintenance grant for 1967-68.	16,00,000
-do-	18,00,000
-do- 1962-63	2,37,184.70
Total:	<u>36,37,184.70</u>

3. Delhi.

Maintenance grant for 1967-68	18,00,000
-do-	9,00,000
-do- in respect of Delhi School of Social Work.	53,000
-do-	30,000
-do- Institute of Postgraduate evening Studies.	1,16,000
-do-	64,000
-do- Miranda House.	1,58,000
-do-	88,000

Constituent Colleges.

Dyal Singh College, New Delhi.	Maintenance grant for 1967-68.	1,00,000
-do-	-do-	55,000
Indraprastha College for Women, Delhi.	-do-	1,25,000
-do-	-do-	69,000
Lady Shri Ram College for Women, New Delhi.	-do-	1,17,000
-do-	-do-	65,000
Hastinapur College (Evening) Moti Bagh, New Delhi.	-do-	36,000
-do-	-do-	20,000
Dyal Singh College (Evening) Lodi Road, New Delhi.	-do-	37,000
-do-	-do-	20,000
Deshbandhu College (Evening) Kalkaji, New Delhi.	-do-	34,000
Modern College for Women, Defence Colony, New Delhi.	-do-	89,000
-do-	-do-	49,000
Ramjas College, Delhi.	-do-	1,02,000
-do-	-do-	1,23,000
-do-	-do-	56,000

pt.o

Delhi Contd:

Ramlal Anand College, New Delhi.	Maintenance grant for 1967-68.	23,000
-do-	-do-	12,000
St. Stephen's College, Delhi.	-do-	1,03,000
-do-	-do-	57,000
Daulat Ram College, Delhi.	Grant for purchase of a duplicating machine.	24
Women's College, Timarpur, Delhi.	Maintenance grant for 1967-68.	53,000
-do-	-do-	30,000
P.G.D.A.V. College, (Evening) Chitragupta Road, New Delhi.	-do-	36,000
-do-	-do-	20,000
Hastinapur College, Moti Bagh, New Delhi.	-do-	68,000
-do-	-do-	38,000
Delhi College (Evening), Ajmeri Gate, Delhi.	-do-	42,000
-do-	-do-	23,000
P.G.D.A.V. College (Day classes) New Delhi.	-do-	59,000
-do-	-do-	27,000
Shri Ram College of Commerce, Delhi.	-do-	75,000
-do-	-do-	41,000
Rajdhani College, Kirtinagar, N. Delhi.	-do-	84,000
-do-	-do-	45,000
W.A.F. Memorial Shivaji College, P.O. Matiala (Via New Delhi-1).	-do-	54,000
-do-	-do-	30,000
S.G.T.B. Khalsa College, New Delhi.	-do-	1,39,000
-do-	-do-	77,000
Shyamlal College, Shahdara, Delhi.	-do-	45,000
-do-	-do-	24,000
Hindu College, Delhi.	-do-	92,000
-do-	-do-	51,000
Sri Venkateswara College, New Delhi.	-do-	50,000
-do-	-do-	28,000
Lady Irwin College, New Delhi.	-do-	93,000
-do-	-do-	52,000
Janki Devi Mahavidyalaya, N. Delhi.	-do-	86,000
-do-	-do-	47,000
Kirori Mal College, Delhi.	-do-	1,30,000
-do-	-do-	72,000
Daulat Ram College, Delhi.	-do-	91,000
-do-	-do-	50,000
Deshbandhu College, Kalkaji, N. Delhi.	-do-	1,29,000
-do-	-do-	71,000
Delhi College, Ajmeri Gate, Delhi.	-do-	1,60,000
-do-	-do-	89,000
Deshbandhu College (Evening) N. Delhi.	-do-	19,000
Lady Shri Ram College for Women, New Delhi.	-do-	1964-65 1,927
Hans Raj College, Delhi.	-do-	1967-68 68,000

Total:

68,90,951

p.t.o

4. Visva Bharati.

Maintenance grant for the year	5,00,000
1967-68.	

-do-	2,00,000
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Total:	<u>7,00,000</u>
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Total Plan:	1,41,68,985.66
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Total Non-Plan:	1,41,34,135.70
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Grand total of	2,83,03,121.36
Plan & Non-Plan:	<u>2,83,03,121.36</u>

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 5th July, 1967.

Item No.4 :- To receive a statement of expenditure incurred  
by UGC during 1967-68 ((Upto 31st May, 1967)).

<u>I. Section I Non-Plan Projects.</u>	<u>Budget Provision (1967-68)</u>	<u>Expenditure incurred (upto 31st May, 1967)</u>
A. Administration charges.	227,00,000	3,98,280
B. Block grants to Central Universities.	5,33,00,000	86,00,000
C. Maintenance grants to Constituent/Affiliated Colleges of Delhi University.	1,775,00,000	15,83,927
D. Grants to Central Universities for schemes not covered under Block Grants.	12,000	6,000
Total Section I Non-Plan Projects.	<u>7,335,12,000</u>	<u>1,05,88,207</u>
 <u>II. Section II Plan Projects</u>		
A. Grants to Universities for Humanities.	94,00,000	14,56,266
B. Grants to Universities for Science.	2,20,00,000	20,98,003
C. Grants to Universities for Engineering & Technology.	1,61,00,000	14,13,325
D. Grants to Constituent & Affiliated Colleges.	1,56,40,000	14,23,804
E. Grants to Universities for Misc. Schemes.	3,92,10,000	38,96,715
F. Miscellaneous Expenditure incurred by UGC, on Seminars, Conferences, etc.	7,50,000	75,006
Total Section II Plan Projects.	<u>10,31,00,000</u>	<u>1,03,63,119</u>
Total Section I & II.	<u>17,66,12,000</u>	<u>2,09,51,326</u>

p.t.o.



Section III - Expenditure from grants received from Govt. of India & Other sources for specific purposes.

i)	Grants to Universities & other expenditure for introduction of General Education (out of grants received from Ford Foundation).	41,805
ii)	Grants to Universities for Promoting advanced studies in the subject of Community Development Co-operation and Panchayati Raj (out of grants received from Ministry of Community Development & Co-operation).	24,400
iii)	Grants to Universities for organising Summer Institutes for School teachers - Allocable to N.C.E.R.T.	11,40,374
iv)	Grants to Universities for Hindi Translation Cell (out of grants received from Ministry of Education).	4,50,000
v)	Expenditure on the visit of the Vice-Chancellors Delegation (out of grants received from Ministry of Education).	665
vi)	Expenditure on the visit of the Russian Delegation (out of grants received from Ministry of Education).	15,244
vii)	Expenditure incurred in connection with the visit of Prof. Frank Worell (out of grants received from Ministry of Education)-	1,091
	Total Section III	<u>16,73,579</u>
	Total Section I, II & III	<u>2,26,24,905</u>

Section IV - deposits & Advances

i)	Conveyance Advance	11,500
ii)	Festival Advance	--
iii)	House Building Advance	--
iv)	Fan Advance	200
	Total Section IV	<u>11,700</u>

Expenditure during 1966-67 upto 31.5.1966 was as under :-

	Budget Provision <u>1966-67</u>	Expenditure upto <u>31.5.1966</u>
Section I. Non-Plan Projects.	4,95,12,000	91,05,265
Section II. Plan Projects (General).	9,97,39,785	1,67,06,325
Section II. Plan Projects (Engg. & Tech.)	1,55,07,735	8,32,529
TOTAL :-	<u>16,47,59,520</u>	<u>2,66,44,119</u>

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.5: To receive a note on the recognition of degrees awarded by the Delhi University through Correspondence Courses.

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The University of Delhi which had started B.A.(Pass) degree course through correspondence during the Third Plan brought to the notice of the Commission that some universities had not given recognition to the degree obtained by the students through this course with the result that the University had been receiving complaints from students that they had been denied admission to higher courses of study in those universities. The scheme of examination and the syllabi, it was stated, were the same as for regular students as also the question papers and the standard of examination. The answer books were assessed by the same examiner who examined the scripts of the regular students for B.A.(Pass) examination. In fact, the students taking up correspondence courses were stated to have given a better performance and their pass percentage in 1965 was 62.60 as against the overall university percentage of 59.6.

The matter was taken up with the Inter-University Board of India and Ceylon. The Board was informed that it was proposed to provide higher education through correspondence courses to a considerable number of students in the IV Plan so as to reduce pressure on regular institutions. The University Grants Commission had appointed a Committee to consider measures for extension of the scheme of Correspondence Courses to other areas. In case, the degrees awarded by the universities through Correspondence Courses were not recognized by others the very purpose of the scheme may be defeated. The Board was requested to persuade the universities to recognize the degrees awarded after the completion of Correspondence Courses.

The Standing Committee of the Inter-University Board at its meeting held on 28th February, 1967 considered the matter and adopted the following resolution:

"The Standing Committee expressed its general agreement with the recommendations of the Education Commission on the subject of Correspondence Courses. Judging by the success of the pilot experiment launched by the University of Delhi in this behalf it had reasons to believe that this system of education is likely to grow in significance and popularity over the next years. The Committee is therefore of the opinion that subject to the academic standards being maintained (and the University of Delhi has established certain norms in this behalf which ought to be maintained) students passing out through Correspondence Courses might be

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accorded the same privileges for advanced study as students from other institutions.

With reference to the specific case of students who obtain their B.A. degree from the Directorate of Correspondence Courses, University of Delhi it be recommended as follows:-

1. that these students be held eligible for admission to further courses of study in the fields of Humanities Law and Teaching only:
2. that the subjects selected are not to be science subjects in the Teaching Faculty and
3. that the age of students seeking admission to postgraduate courses is not to be below 20 in the year of admission the actual formula with regard to the determination of age in a particular university being the same as in the case of its regular students".

The resolution of the Standing Committee has been brought to the notice of the universities by Inter-University Board.

The matter is reported to the Commission.

A.E.O.(CDN I)/D.S.(A)

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

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Item No. 6: To receive the report of the Committee appointed by the Commission to consider the extension of the scheme of Correspondence Courses to more Universities.

...

The University Grants Commission at its meeting held on 7th December, 1966 received a note on the extension of the scheme of Correspondence Courses, implementation of which has been transferred to the U.G.C., to more universities. The Commission desired that a Committee may be appointed to recommend the steps to be taken to implement the scheme. Accordingly, a Committee with the following members was appointed:

1. Dr. B.N. Gangali,  
Vice-Chancellor,  
Delhi University;
2. Prof. K.K. Datta,  
Vice-Chancellor,  
Patna University;
3. Dr. A.C. Joshi,  
Adviser (Education)  
Planning Commission,  
New Delhi;
4. Dr. Ram Behari;
5. Prof. E.S. Bogolulov,  
(Adv. University Polytechnical Institute of  
Correspondence Courses, USSR).

The Committee met on 14th April, 1967 in the office of the Commission. A copy of the minutes of the meeting of the Committee is enclosed. The Committee has inter-alia made the following recommendations:

1. Correspondence Courses should be started only in well-established universities with strong faculties and the duplication of the courses for the same degree may be avoided as far as possible.
2. Universities providing correspondence courses should provide special library facilities.
3. In the light of the experience gained, Delhi University may be advised to have the same duration for the correspondence courses as for the normal courses.
4. Only selected universities should initiate correspondence courses in the first instance.

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5. Initial assistance not exceeding Rs.5 lakhs may be paid for building and library. Assistance for recurring expenditure may be paid for a limited period till the courses have become self-supporting on 75:25 basis after taking into account the income from fees.

The Committee has recommended starting of the Correspondence Courses in the universities as under:

Calcutta University	-	PUC, B.A., B.Ed.
Baroda University	-	PUC, B.A., B.Com.
Panjab University	-	PUC, B.Sc., B.Ed.
Punjabi University	-	B.A. (Panjabi medium)
Rajasthan University	-	PUC, B.Com.

The matter is placed before the Commission for consideration.

A.E.O.(CDN I)/D.S.(A)

A meeting of the Committee appointed by the University Grants Commission to consider the question of extension of correspondence courses to Universities other than Delhi was held on 14.4.1967 at 10.30 A.M. The following were present:

1. Dr. D.S. Kothari
2. Dr. A.C. Joshi
3. Dr. Ram Behari
4. Prof. E.S. Bogolulov (Adviser University Polytechnical Institute of Correspondence Course, U.S.S.R.)
5. Shri K.L. Joshi
6. Shri R.K. Chhabra

Dr. B.N. Ganguli and Prof.. K.K. Datta could not attend the meeting.

The Committee had before them the following documents:-

- (a) A note prepared by the office of the Commission regarding the present facilities for the correspondence courses in Delhi University and the proposal from other Universities regarding starting of correspondence courses.
- (b) A note entitled "Education by Correspondence in the U.S.S.R." - by Prof. Bogolulov.
- (c) A note on "Some Impression about Correspondence Courses at the Delhi University - by Prof. Bogolulov.
- (d) Correspondence Study in Japan by Dr. A.C. Joshi.

The Committee after discussions made the following recommendations:

- (a) Correspondence Courses should be started only in well-established universities with strong faculties.
- (b) Duplication of the Courses for the same degree should be avoided unless there were compelling reasons to do so.
- (c) The universities providing correspondence courses should have centres in different places for contact classes. The colleges should be used as contact points and their laboratories library facilities be used.
- (d) Universities providing correspondence courses should have special library facilities for these courses such as multiple copies of the text books and specially prepared books for correspondence courses. In addition there should be a good collection on correspondence courses as well as sample lessons prepared in other countries.
- (e) It would be desirable for the Delhi University to organise a workshop on the methodology for the preparation of instructional material. Those interested

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in techniques and methodology of Correspondence Courses and representativeness of those universities which decide to start Correspondence Courses could be invited to participate in the workshop.

- (f) A Committee consisting of Dr. Ram Behari, Prof. Bugolulov and Prof. M.S. Shukla be appointed to prepare a booklet giving information how to join the Correspondence courses at the School and University levels.
- (g) In the light of the experience already gained the Delhi University be advised that the duration of the degree course through Correspondence Course be the same as for the normal course.
- (h) In view of the fact that the efficiency of the Correspondence Courses depends on methodology of Courses which can cater to a large number of students, it would be desirable that only a selected number of universities undertake to initiate these courses in the first instance so that in due course running of these courses becomes self-supporting, as for example in Delhi University.
- (i) An initial assistance not exceeding Rs.5 lakhs be paid for buildings and library in the case of the courses to be started. Assistance for recurring expenditure for a limited period till the courses have become self-supporting be made available on 75 : 25 basis after taking into account the income from fees.

The Committee tentatively agreed to the starting of the correspondence courses at the following Universities:

Calcutta University	...	P.U.C., B.A., B.Ed.
Baroda University	...	P.U.C., B.A., B.Com.
Panjab University	...	P.U.C., B.Sc., B.Ed.
Rajasthan University	...	P.U.C., B.Com.
Punjabi University	...	B.A.(Punjabi medium)

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UNIVERSITY GRANTS COMMISSION

7

Meeting:

Dated 5th July, 1967.

Item No.7 : To receive the report made by Academician V.I. Goldanskii Unesco Consultant, who visited Indian Universities under the United Nations Expanded Programme of Technical Assistance during the year 1966-67.

....

Academician V.I. Goldanskii, Head of the Laboratory of Nuclear Physics of the Academy of Sciences of the U.S.S.R. visited India from 3rd December to 28th December 1966 as a Unesco Consultant in the Physical Chemistry and Physics (specially Nuclear Chemistry) under the Expanded Programme of Technical Assistance to the Centres of Advanced Study Project in Indian Universities. Though Academician Goldanskii was attached to the Centre of Advanced Study in Chemistry, Delhi University, he also delivered lectures in the Department of Physics, Delhi University. Besides, Delhi University, Academician Goldanskii also visited Banaras Hindu University, Osmania University, Indian Institute of Science, Bangalore and Tata Institute of Fundamental Research, Bombay. At the conclusion of his visit Academician Goldanskii made a report to Unesco, important extracts of which are attached (Appendix I).

The matter is placed before the Commission for information.

E.O(CAS)/D.O(CAS)



The basic places of the activity of Professor V.I. Golanskii were the Chemistry Department of Delhi University and the Centre of Advanced Study for Physics and Astrophysics of the same University. Four lectures were delivered for professors and graduate students in Delhi - two of them in the Chemistry Department (The Mossbauer effect and its applications to Chemistry - 6 and 8 December) another two - in the Physics Department and the Centre of Advanced Study (Annihilation of Positrons as a Tool of Physical and Chemical Studies - 5 and 7 December). The seminar on some experimental details of gamma-resonance (Mossbauer) spectroscopy and study of annihilation of positrons was delivered for Scientists of the Physics Department of Delhi University (on 9 December). Professor V.I. Goldanskii took part in the Joint Convention of Indian Chemists (Delhi, 25 -27 December) and delivered there on 25 December a general lecture entitled as "The Chemical Mossbauer Spectroscopy".

During the period from 11 December upto 22 December Professor V.I. Goldanskii visited for the short time (two to three days for every place) four other scientific centres of India, mentioned below:

- (a) Banaras Hindu University, Department of Chemistry and Physics: delivered one lecture (Mossbauer Spectroscopy - Principles and Applications), on 12 December met Professor C.B. Singh, Dr. B.M. Shukla, Dr. Bhattacharji a.o.
- (b) Hyderabad, Osmania University, Department of Chemistry delivered one lecture (Chemical Applications of Mossbauer Effect) 11 December.  
Met Professor N.V. Subha Rao, Professor V.R. Srinivasan.
- (c) Bangalore Indian Institute of Science, Departments of Inorganic and Physical Chemistry and of Physics, delivered one lecture (Chemical and Geological Applications of Mossbauer Effect) on 19 December.
- (d) Bombay, Tata Institute of Fundamental Research, delivered two lectures (Annihilation of positrons as a tool in Physical and Chemical Studies, 20 December) Mossbauer Effect and its Applications, 21 December) met Professor B.V. Thosar, Professor C.R. Kanekar a.o.

All the lectures in Delhi, Banaras, Hyderabad, Bangalore and Bombay (totally 10 lectures) were followed by the detailed discussions concerning the treated problems, the details of methods of experiments and the theoretical interpretation of the obtained results.

#### Brief conclusions and suggestions:

In spite of remarkable achievements of Indian Scientists in development of Physical Chemistry in their country the present level of this branch of Chemistry gives definitely up to organic chemistry. It is of course quite natural, because the organic chemistry is connected much more directly to the economical necessities of the country and has historical grounds and traditions of well-known organic chemical schools in India, like the school of Professor T.R. Seshadri. It would have been therefore quite desirable to develop here such classical directions of physical chemistry, as the Thermodynamics, electro-chemistry, colloid chemistry,

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chemical kinetics etc. But from the expert's point of view it would be even more promising to start the works in new fields of physical chemistry,, based on common efforts of physicists and chemists. Many new directions of physical chemistry, namely the nuclear chemistry, have been originated in the last several years and if the Indian Scientists (Nuclear Physicists,, Solid State Physicists, Physical Chemists) enter these new fields now, they could succeed in fast approaching the level of leading laboratories in other countries.

Particularly noted here are the works on Mossbauer spectroscopy, on the annihilation of positrons as a tool in Solid-State Physics and Physical Chemistry, on the perturbed angular correlations etc., and partly also the works on hot atoms Chemistry and radiation Chemistry. There is already rather good base for such combining of efforts of physicists and chemists in Delhi and in Bangalore. Such possibilities were discussed during the expert's visit to the above-mentioned centres. Many useful works can be done if there are tightened scientific bonds and common investigations of chemical institutions of the country with such a distinguished scientific centre as the Tata Institute of Fundamental Research in Bombay. Therefore not only the abroad scholarships should be recommended for young Indian scientists, but also the scholarships in leading national scientific centres.

It should be also noted, that the development of the Solid -State Physics and Chemistry studies by nuclear radiations (which, to the expert's opinion can be treated as one of the main scientific directions of contemporary physics and chemistry) can be probably partly sponsored by International Atomic Energy Agency and by the Atomic Energy Establishment of India. That would relieve the problem of supply of such works by necessary isotopes, by electronics and other devices and by different sources of radiation.

Another problem which is of importance for all Centres of Advanced Study and Universities is the improvement, quickening and simplification of the organisation of their supply by foreign experimental equipment. For such purposes one may recommend the systematic mailing to the University Grants Commission as well as to the corresponding Centres and Universities of the catalogues, advertisements and booklets describing all kinds of scientific instruments, produced in USSR, their prices and parameters. One may also recommend the increases (both in the assortment and in the number of copies) sending of Russian scientific magazines to India. Such sending may be partly provided by the reciprocal sending of Indian magazines to USSR.

All the above-mentioned points relate to all Centres and Universities. Turning to some particular problems, the expert would like to suggest the support of interesting works on the chemical effects of nuclear transformations, performed in the Banaras Hindu University. It would be desirable to supply the chemistry Department of Hindu University by neutron generator (based on d-t reaction), by the multichannel analyser, by mass-spectrometer and by the ESR spectrometer (latter two are also to be sent to Chemistry Department of Osmania University, Hyderabad). Several abroad scholarships (e.g. in USSR in radiochemistry and related problems) would be quite useful - one of them (for a year) personally for the Head of above-mentioned studies Dr. B.M. Shukla.

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated 5th July, 1967.

Item No. 8: To receive the report made by Dr. A. N. Kholodilin on the completion of his assignment as first Unesco Coordinator to U.G.C. for Centres of Advanced Study Project in Indian Universities.

....

Under the United Nations Expanded Programme of Technical Assistance, services of Dr. A. N. Kholodilin were made available to the University Grants Commission as 'Co-ordinator' on the programme of Unesco Assistance to the Centres of Advanced Study Project in Indian Universities. Dr. Kholodilin stayed in India for a period of 2½ years from 14th December 1963 to 13th June 1966. During his stay in India he visited the centres/departments receiving assistance under the programme and held discussions with the Heads of the Centres as well the Unesco Consultants who visited India regarding useful utilisation of assistance. At the conclusion of his stay in India he made a report to Unesco in which some suggestions were made by him regarding the improvement of the programme of assistance. Some of the important suggestions made are indicated in Appendix I. Wherever possible suitable action has been taken on the suggestion contained in his report.

The matter is placed before the Commission for information.

E.O(CAS)/D.O(CAS)

SUGGESTIONS MADE IN THE REPORT BY DR. A. N. KHOLODILIN

1. The Unesco consultants will be of two categories in future. The first category of the consultants is at the highest scientific level (Academician). They can stay in India for one and a half to two months only. Seminars, symposia must be organised by the centres during this period. The new scientific ideas will be discussed during these seminars in the presence of all distinguished scientists all over India.

The second category of the consultants is at the professor level. They can stay in India from 3 to 12 months to deliver new courses of lectures, to organize groups of scientists for studying new methods, new problems, to organize scientific research work, to help the candidates in preparing research papers and dissertations. Both types of consultants are very important for the project. It is useful that every Unesco consultant should have a working knowledge of the English language.

2. It is very desirable to invite technicians as Unesco experts for training purposes in the use of new scientific equipment. Some modern equipment is lying unused now. There are no specialists in the department who can put it into working order. Of course for the betatron, the computers, the low temperature equipment and some others, technicians must be sent by the manufacturers to help in the installation of this complicated equipment.
3. The supply to India in the scientific and technical literature is still quite insufficient. It is necessary to improve the supply of this through the Unesco Headquarters library on the basis of 10% from the equipment grants in accordance with general Unesco practice. The list of needed books and science magazines could be prepared by the centres and the University Grants Commission.
4. The Unesco consultants during their stay in the centres had delivered many very important courses of lectures, which were based mostly on new scientific results, a large part of which had not been published. These courses of lectures will be very interesting and beneficial not only to many universities and departments in India, but also for some countries other than India. The centres, by publishing these courses in different subjects, would become real centres of advanced study not only for Indian universities but also for surrounding countries.

It will be very desirable to find some possibilities to get most of these lectures printed and arrange for their distribution, may be with the help of Unesco.

5. It is very important for India to improve its agriculture and perhaps the first problem in this connection is to increase the standard of agricultural education. To establish a centre of advanced study in agriculture is very desirable in this connection.

6. It is very desirable to organize research work in the centres whereby attention could be focussed on one or a limited number of problems chosen by the department and to establish some sort of direct contact between the centre of advanced study in India and the chosen centre in USSR where some of Unesco consultants work.
  
7. It is very important to provide possibilities to leading professors and heads of the centres of advanced study to visit the chosen research centres for short visits of between 1 - 3 months. Such visits should be very useful in establishing direct contact between the different centres and could give a real possibility to organize a natural exchange of scientific ideas and methods of investigations.

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University Grants Commission

Meeting:

5th July 1967

Item No: 9 : To receive a note on the visit of Unesco Mission appointed to evaluate the programme of Unesco Assistance to the Centres of Advanced Study Project in Indian Universities.

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The Commission was informed at its meeting held on 6th July 1966 (vide item No: 9) that the Unesco, in accordance with the suggestion contained in the plan of operation for the Assistance Programme to the Centres of Advanced Study planned to send to India an Evaluation Mission with a view to assessing the results of the assistance programme between the years 1963-66 and to make necessary recommendations for the continuation of the UNEPTA Assistance Programme to the Centres of Advanced Study in future years. Subsequently, in accordance with the provisions of the resolution 12(1) adopted by the 14th General Conference on Evaluation of the organisation activities, the Director-General, Unesco constituted a Mission to visit India and report on the programme of Unesco Assistance to the Centres of Advanced Study in Indian Universities. The Mission consisted of the following:-

1. Prof. Yu.V. Novozhilov,  
Coordinator for the Centres  
of Advanced Study Programme,  
University Grants Commission,  
New Delhi.
2. Dr. V.V. Vakhrouchev,  
Executive Secretary of the USSR  
National Commission for Unesco,  
Moscow.
3. Dr. (Madame) Therese Grivet,  
Deputy Director,  
Division of Science Teaching,  
Unesco, Paris.
4. Dr. D. Shankar Narayan,  
Development Officer (CAS),  
University Grants Commission,  
New Delhi.

The terms of reference for the Mission were generally to examine the following aspects of the programme:

- (a) to visit the different centres of advanced study and to get acquainted with the programmes and methods of work of the different centres in relation to the objectives;

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- (b) to examine and evaluate the Unesco's programme of assistance to the centres of advanced study beginning from the biennium 1963-64 and up-to-date with particular reference to the different components of the programme viz., (i) services of consultants/experts, (ii) utilization of training fellowships & (iii) supply of equipment;
- (c) to assess the effectiveness of programme in relation to the fulfilment of the objectives of the centres, impact of the programme in improvement of standards etc.
- (d) In the light of the above and with a view to improving the operational aspects of the programme in future years to make recommendations to the Director-General concerning any readjustments, which may appear desirable in relation to (i) objectives and functions, (ii) programmes and methods of work, (iii) coordination and (iv) plan of operation for future years.

The Mission carried out its work during the period 16th March - 6th April 1967. Before it started visiting the different Centres of Advanced Study, the Mission held discussions with the Chairman, University Grants Commission, the Indian National Commission for Unesco, Resident Representative, United Nations Development Programme in India and Chief of Unesco Mission in India. The Mission then visited the Centres of Advanced Study and departments concerned in the Universities of Delhi, Calcutta, Madras, Osmania and Bombay. The members at the conclusion of their work reported to the Hon'ble Minister for Education, Government of India. The Mission during its visit to the different Centres of Advanced Study received memoranda, held discussions with the Heads and staff of the Centres and also had consultations with the Heads Vice-Chancellors and other university authorities regarding the implementation of the programme. At the conclusion of its visit to the centres, the Mission made a report to the Unesco regarding the implementation of the programme in future.

The Mission has since submitted its report to the Unesco and is under consideration of the Unesco, Paris.

During the course of the discussions with the Chairman, University Grants Commission, the Mission made the following important observations:-

i) The Unesco Programme of Assistance to the Centres of Advanced Study over the past four years has been successfully implemented. Keeping in view the developments which have taken place so far and the programmes likely to be taken up by the centres concerned in future years, a redefinition of the programme to lay greater emphasis on research activities may be essential. In order to do this and to utilize the available resources in a few selected centres which would benefit most by this assistance, the Mission will make suitable recommendations.

ii) A formal involvement of the Academy of Sciences of the U.S.S.R. in this assistance programme would be advantageous.

p.t.o.

iii) Greater contact and collaboration between the Centres of Advanced Study and the Universities and Institutions of Higher Learning in the U.S.S.R. could be brought about if small liaison groups could be established in the U.S.S.R. to act as counter-parts of the Indian centres to help and advise on scientific aspects of the Unesco Assistance Programme. Establishment of such liaison groups would bring personal touch to the programme.

iv) The Unesco Programme of Assistance should make provision for a special category of fellowships to enable senior teachers and heads of the centres to visit the institutions and research laboratories in the U.S.S.R. for purposes of consultations etc., connected with the programme.

v) Advance planning with regard to services of experts, training fellowships as well as procurement of equipment is necessary in order to make the best use of the assistance made available by the Unesco.

vi) The scale of Unesco's assistance to the centres of advanced study should be increased in proportion to the amounts likely to be spent by the Indian Government on the Centres' Programme.

vii) In order to give concrete shape and to find ways and means of implementing the recommendations to be made by the Mission, it would be necessary for the members of the Mission to visit the U.S.S.R. for about a week in due course after the report has been considered by the Unesco authorities.

The report of the Mission, when made available by the Unesco, would be placed before the Commission in due course. The visit of the Mission and the general discussions held with the Mission are reported for information of the Commission at the present stage.

E.C(CAS)/D.O(CAS)



Meeting:

Dated 5th July, 1967.

Item No. 10 : To receive a note on the Centre of Advanced Study in Education, M.S. University of Baroda.

...

The Department of Education in the Faculty of Education and Psychology at the M.S. University of Baroda was recognised as a Centre of Advanced Study in Education by the University Grants Commission in November 1963. The Centre started functioning from July 1964. The University's Syndicate in June 1964 gave the centre the status of a department in the Faculty of Education and Psychology with the proviso that the senior-most Professor would function as its Head or the Coordinator and the Dean of the Faculty would be its ex-officio Director. The Centre works in close cooperation with the other departments of the Faculty and also with research units in (a) Examination Reforms and (b) Students' Counselling, sanctioned earlier by the University Grants Commission. The objectives of the Centre are stated to be:

1. To undertake and carry out intensive and extensive studies and researches with a view to improving the present tools of instruction and evaluation in use in schools;
2. To promote the development of techniques and tools, suited to Indian conditions and culture, for carrying out experiments and studies in education;
3. To disseminate, through appropriate publications, procedures and findings of psychological studies and educational researches;
4. To train research workers in the methods of educational research and experimental designs;
5. To provide extension services in educational research to individual or institutions engaged in research projects and studies on Indian education;; and
6. To conduct seminars and workshops on burning problems of education in India.

The grants sanctioned by the Commission during the Third and Fourth Plan periods and the expenditure incurred by the university, is indicated in Appendix I. The posts sanctioned and appointments made have been summarised in Appendix II.

The work of the Centre has been distributed among the four units viz., (i) Psychometrics and Evaluation, (ii) Curriculum Development, (iii) Language Learning Unit and (iv) Guidance and Counselling. The personnel of each unit usually consists of a Reader, a Senior Research Fellow and one or more Junior Research Fellows. The units, besides doing their own research work also cooperate in the research programmes of the other units. The staff members of the Centre share the teaching work mainly at the Faculty of Education and Psychology, guiding postgraduate students in education and psychology and also help in research work of students of other departments whenever needed.

The Centre conducts training at the postgraduate level. It admits 4 scholars for M.Ed. degree course and 2 scholars for Ph.D. research every year. Besides, they also help the Faculty of Education and Psychology in teaching the M.Ed. classes. The students enrolment is 2 in M.Ed. (Previous) 4 in M.Ed. (Final) and 4 in Ph.D.

The staff strength is one Professor, four Readers, three Senior Research Fellows, four Junior Research Fellows, one Psychologist and two Technical Assistants.

The field of specialisation of Professors and Readers and the research projects completed during the Third Plan in the various units have been summarised in Appendix III. Appendix IV indicates the projects which have been taken up by the Centre during the Fourth Plan. The research publications of the staff members are indicated in Appendix V.

The Centre has been receiving assistance from U.K. under the Programme of Assistance. Brief extracts from the reports by Mr. M. Shilbeck and Mr. M. A. Brimer who visited the Centre under this programme are given in Appendix VI.

The Assessment Committee appointed by the University Grants Commission visited the Centre on 5th January 1966. Important observations made by the Committee are summarised in Appendix VII.

The matter is placed before the Commission for information.

E.O.(CAS)/D.O.(CAS)

....

CENTRE OF ADVANCED STUDY IN EDUCATION, M.S.  
UNIVERSITY OF BARODA - POSITION REGARDING GRANTS

Item	Grants approved during III Plan.	Expenditure upto 31.3.66.	Grants approved during Fourth Plan.
<b>Non-Recurring</b>			
1. Building	2,50,000	2,12,896.46 12,282.74	Building 80,000 Furniture -
2. Equipment Furniture	50,000	15,093.51	-
3. Books & Journals	1,00,000	56,451.12	65,000
<b>Total</b>	<b>4,00,000</b>	<b>2,96,723.83</b>	<b>1,45,000</b>
<b>Recurring</b>			
			<u>Per annum</u> **
1. Academic Staff*	1,85,000	95,505.52	
2. Technical Staff	12,700	14,388.72	} 13,600 p.a.
3. Administrative Staff	12,500	13,173.93	
4. Books and Journal	25,000	36,179.12	
5. Contingencies	13,000	8,093.43	10,000 p.a.
6. Publications	12,000	11,780.22	5,000 p.a.
7. Travels	21,000	14,682.16	10,000 p.a.
8. Seminars	33,000	12,351.86	15,000 p.a.
9. Other Expenditure	8,800	7,776.85	4,200 p.a.
10. National and Research Scholarships	-	5,169.48	
11. Visiting Fellows	-	-	15,000 p.a.
<b>Total</b>	<b>3,80,000</b>	<b>2,19,101.29</b>	<b>77,800 p.a.</b>

\* Professor 1  
Readers 2 + 1  
Sr. Research Fellows 3  
Jr. Research Fellows 5  
Visiting Fellows Rs.35,000  
  
National Scholarships 4  
Reserch Scholarships 2

\*\* Professor 1  
Readers 2 + 1  
Sr. Research  
Fellows 3  
Jr. Research  
Fellows 7  
Research  
Scholarships 2  
  
National  
Scholarships 4

STAFF POSITION  
CENTRE OF ADVANCED STUDY IN EDUCATION

<u>STAFF</u>	<u>SANCTIONED POSTS</u>	<u>APPOINTMENTS MADE</u>
1. Professors	1	1
2. Readers	2 + 1	3
3. Senior Research Fellows	3	3
4. Junior Research Fellows	5 + 2 (Addl. Fourth Plan)	5
5. Research Associates (Lecturers scale).	-	-
6. Research Scholarships	2	2
7. National Scholarships	4	4

Name of the Teacher	Field of Work	No. of research workers working with the teacher
Professor A.S.Patel	Educational Psychology and Research Methodology.	1
Dr.B.P.Lulla	Curriculum Development	2
Dr.H.J.X.Fernandes	Guidance and Counselling	2
Mrs.M.Amin	Language Learning	2
Dr.S.Bhattacharya	Psychometrics and Testing	2

RESEARCH PROJECT COMPLETED

I. Psychometrics and Evaluation Unit

1. Construction, validation and standardisation of a Teacher Efficiency Inventory.
2. Construction and validation of an Inventory for the study of the problems of adjustment particularly among adolescents.
3. Construction of University Entrance Test for follow up study of the correlates of success.

II. Curriculum Development Unit

Studies in Scholastic Underachievement

1. Causes of general backwardness at the elementary stage.
2. Causes of backwardness in a social studies at the elementary stage.
3. Causes of backwardness in Mathematics at elementary stage.

III. Language Learning Unit

1. Investigation into the causes of backwardness in Gujarati as a mother-tongue in the primary schools of Gujarat.
2. Investigation into the causes of backwardness in Hindi as a second language.
3. A study of English words assimilated into Gujarati.
4. A new primer in Gujarati for the first grade based on phonetic study.

IV. Guidance and Counselling Unit

1. Desirable Characteristics of Students as seen by the Teaching Staff in various Faculties of the M.S.University of Baroda.
2. Differential Aptitude Test: Abstract Reasoning, and Numerical Ability.
3. Expectancy Table showing relation between S.S.C.E. Marks and Preparatory Science Marks.
4. Expectancy Table showing relation between Prep.Science and First Year Engineering Marks.
5. A Study of Failures at the Preparatory Units.
6. A Study of Human Relations in a Classroom.
7. Adjustment Inventory for College Students.
8. Occupational World as presented through Language Text Books.

RESEARCH PROJECTS UNDERTAKEN (1966-71)

(During the Fourth Five Year Plan period, the CASE has taken up research-work of national significance aiming at the basic theme of "Total School Improvement". In view of this aim, the Units have taken up the following major projects in addition to other studies).

**I. Research Methodology and Service Unit**

(In charge : Dr. A. S. Patel )

Major Project (i) A national survey of attainment in Language and Mathematics in the final year of secondary schools.

(ii) A national study of evaluation in Teacher Education.

Other Studies: (i) A study of gifted children and talent search.

(ii) Assessment of quality in post-graduate education in universities of India.

(a) Evaluation of Academic Discipline

(b) U.G.C. Project: "Analysis and evaluation of

M.A./M.Sc. question papers of Indian Universities!

(iii) A study of problems of students' unrest and indiscipline.

Seminars and Workshops. (i) (As and when needed for the development of the research projects and also in the related areas work of the Unit).

**II. Psychometrics and Evaluation Unit:**

(In charge : Dr. S. Bhattacharya )

Major Project : A study of wastage and stagnation at various levels with reference to the physical, sociological and psychological determinants.

Other Studies : (i) A conceptual analysis of the determinants and criteria of educational standard in India for its evaluation.

(ii) Analysis of factors related to retardation in Arithmetic, Science and Reading English at the primary level for remedial purposes.

Seminars and Workshops. : (As and when needed for the development of the research projects and also in the related areas of work of the Unit).

**III. Curriculum Development Unit:**

(In charge : Dr. B. P. Lulla)

Major Project: A curriculum experiment in Social Studies at the secondary level (Classes VIII - XI), to provide a model for subsequent work in Mathematics and Science.

Other Studies: (i) Follow-up programme on the basis of findings of previous research studies in scholastic under-achievements (made at CASE)

- (a) Remedial suggestions for helping under-achievers at the stage.
  - (b) Remedial assignments for under-achievers in Social Studies.
  - (c) Preparation of model syllabus in Social Studies (I - XI).
- (ii) National survey of curriculum of administration in different states of India.
  - (iii) A study of the problems of text-book selection, production and distribution in all States of India.

Seminars and Workshops: (As and when needed for the development of the projects and in the related areas of work of the Unit).

IV. Language Learning Unit:

( In charge : The new Reader to be appointed in place of Mrs.M.Amin who has resigned from December 1966).

Major Project: A contrastive study of Gujarati, Hindi and English for devising effective methods and materials for their learning and teaching.

- Other Studies:
- (i) Preparation of the working vocabulary of the six-year old child (Gujarati).
  - (ii) Developing a remedial programme in Hindi for Gujarati students (to be extended for others too).
  - (iii) A General survey of the present state of the teaching of languages in India.
  - (iv) A critical evaluation of courses in languages in sample states in India.
  - (v) A critical survey of the qualifications and training of language teachers.
  - (vi) A critical survey of language-teaching materials in India.

Seminars and Workshops: ( As and when needed for the development of the projects and in the related areas of work of the Unit).

CENTRE OF ADVANCED STUDY IN EDUCATION  
FACULTY OF EDUCATION AND PSYCHOLOGY, BARODA  
M.S. UNIVERSITY OF BARODA, BARODA.

CASE PUBLICATIONS

A. Journal : Editor Dr. A. S. Patel

Associate Editors : Dr. B. P. Lulla and Dr. S. Bhattacharya.

1. Advances in Education : July 1965, Vol. I: No.1
2. Advances in Education : October 1965, Vol. I; No.2
3. Advances in Education : January 1966, Vol. I; No.3
4. Advances in Education 1966, April 1966 Vol. I; No.4
5. Advances in Education 1966, July - October, Vol. 2; No.1 and 2
6. Advances in Education, January 1967, Vol. 2; No.3

B. Monographs and Research Reports:

7. Shaping the new Education: Programmed Instruction and Teaching Machine. By Lawrence M. Stolurow.
8. New Dimensions in the Teaching of Mathematics by Dr. G. B. Shah.
9. Curriculum Improvement in Secondary Education. By Dr. A. S. Patel and Dr. B. P. Lulla.
10. Education of the Backward and the Gifted Children. Dr. A. S. Patel and Dr. B. P. Lulla.
11. Investigation into the causes of general backwardness at the elementary stage Classes I - VII - By Dr. A. S. Patel, Dr. B. P. Lulla, Dr. G. B. Shah, Mr. D. R. Darji.
12. Investigation in the Academic causes of Backwardness in social studies at the elementary stage Classes I - VII. By Dr. A. S. Patel, Dr. H. P. Lulla, Dr. G. B. Shah, Mr. D. R. Darji.
13. Investigation into the academic causes of backwardness in Mathematics at the elementary stage classes I - VII - By Dr. A. S. Patel, Dr. B. P. Lulla, Dr. G. B. Shah, Mr. D. R. Darji.
14. Some thoughts about Educational Research - By Prof. Stephen M. Gorey.
15. Essentials of writing Research Report - By Dr. A. S. Patel and Dr. B. P. Lulla
16. Research abstracts No. III-1963-64. By Dr. A. S. Patel
17. Research Abstracts No. IV - 1964 - 65 - By Dr. A. S. Patel and Dr. B. P. Lulla.
18. A Symposium for evaluation of our educational standards: A report by - Dr. A. S. Patel, Dr. S. Bhattacharya, Dr. M. M. Shah.
19. Teaching of Primary and Secondary Languages. By Dr. A. S. Patel, Dr. D. M. Desai, Mr. J. J. Mody.
20. Introducing children to reading in Gujarati. By Dr. A. S. Patel, Mrs. M. Amin, Mr. J. J. Mody.



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21. **English** words Assimilated into the Gujarati language; A pilot study-  
By Prof.A.S.Patel, Mrs.M.Amin, Mr.M.M.Chuhan.
22. An investigation into the causes of backwardness in learning  
Gujarati (As the mother tongue) in the primary schools. By Prof.A.S.  
Patel, Mrs.M.Amin, Mr.J.J.Mody.
23. A Handbook for developing guidance services in secondary schools.  
No.11. By Dr.(Kum) Prem Pasricha and Dr.T.C.Schreck.
24. Adjustment Inventory for college students . No.12 By Dr.(Kum) Prem  
Pasricha, Miss R.Pagedar, Mr.J.J.Gajjar.
25. Research Abstracts No.V 1965-66 By Dr.A.S.Patel and Dr.B.P.Lulla.

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Individual Publications of the CASE Staff during the Third Five Year Plan (1964-66).

I. Dr. A. S. Patel

1. Influence of Motivation, Orientation and Anxiety on Learning and Retention (submitted to Indian Science Congress, Calcutta, 1964).
2. Performance as a Function of Various Types Of Incentives (Submitted to Indian Science Congress, Calcutta, 1964).
3. Comparative Study of Adjustment and Character Traits of Delinquent and Non-delinquent Children, (Indian Science Congress, 1965).
4. Psychological Tests: Advantages and Limitations (in Gujarati), (Manovaignanik Kasotio) Nootan Shikshan, Special Issue & January 1965).
5. Problems of Curricular Organisation in Higher Secondary Schools, (submitted in Seminar on Curriculum Improvement in Secondary Education December, 1965).
6. Psychological Approach to Language Development (Submitted in Seminar on the Teaching of Primary and Secondary Language organised by the Centre in January, 1965).
7. Present Status of Student Personnel Services, (Submitted at Seminar on Student Personnel Services, March 1965, at Baroda).
8. Use of tests in Guidance, (Submitted at Seminar on Students Personnel Services at Baroda, March, 1965).
9. Are Our Educational Standards Falling? A discussion of Criteria (submitted to the Seminar on Educational Standards, 8-9 October, 1965, Baroda).
10. Physical and Psychological Aspects of General Backwardness in School Children, (submitted at Seminar in the Education of the Backward and Gifted Children, December 13-15-1965, Baroda).
11. Gujarati Translation of above paper, (Nootan Shikshan, Special Issue on Psychology).
12. An Experimental Study of Question Bias, (Paper Prepared for Indian Science Congress, January, 1967, Secundarabad).
13. A Survey of Factors Contributing to Indisciplinary Problems Among University Students of Baroda, (Paper prepared for Journal of M.S. University of Baroda).
14. A Rational, Construction and Try-out of Test Scales Measuring some Personality Traits.
  - (i) Extroversion - Introversion Scale - Advances in Education, Vol. I. No. 1, July, 1965.
  - (ii) Conservative-Reformist Scale - Advances in Education, CASE, Baroda, Vol. I, No. 2, October, 1965.
  - (iii) Anxiety Scale (iv) Adjustment inventory.
15. A try out of Pictorial Test of Intelligence.

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II. Dr. B. P. Lulla

1. Educational Leadership in India,, (article) published in Indian Education, October, 1964.
2. National Integration through Social Studies (article with Shri D.R. Darji), Nootan Shikshan, November 1964.
3. New Tasks of Educational Leadership in India, (article) published in Journal of the M.S. University of Baroda, Vol. XIII, No. 2 July, 1964).
4. Purpose of Examinations in our Democracy, (article) Nootan Shikshan, January 1965.
5. Qualities of the Headmaster, (article) published in Educational Herald, February, 1965.
6. Problems of Curriculum organisation in Multipurpose School, (paper read in Seminar), published in Indian Education, March, 1965).
7. Creative Expression and Appreciation of Literature (Paper read in Seminar Organised by Language Learning Unit). It is published in Nootan Shikshan, May, 1965.
8. University Handbook of Philosophy, (paper read in Seminar on Student Personnel Services at Mussoorie,, April 12, to 14 ).
9. National Integration through Social Studies, (article), published in Social Studies Teacher, April, 1965.
10. Study of Educational Administration in U.S. and India (A book). It is published by Acharya Book Depot, Baroda June, 1965.
11. Constructing an Index for Measuring Rise or Fall in Educational Standard, A paper read in Symposium on "Are Our Educational Standard .. Falling? " organised by CASE, Baroda on 8th and 9th October, 1965.
12. Backward School Produce Backward Pupils (Paper), read in Seminar on "Education of Backward and Gifted Children organised by CASE, Baroda, during 13th to 15th December, 1965).
13. Improvement of Curriculum in Secondary School, (article), published in Education and Psychology Review, Baroda, October, 1965.
14. Problems of Post-graduate Teaching and Research, (Paper read at Convention of All India University and College Teachers), and published in Advances in Education of January, 1965.

III. Dr. S. Bhattacharya

1. A New Approach to the Assessment of Personality, (Calcutta Review September, 1965).
2. A Exploration of Personality for Counselling - a book published by S.P. Bhandar, Calcutta, October 1965.
3. Guidance Movement in India West Bengal Headmasters' Association Bulletin, September, 1965.

4. Diagnosis of Cause of Retardation in Reading English (Paper read in Seminar on Education of Backward and Gifted Children, organized by CASE on 13-15 December 1965).
5. Place of Assessment in the Concept of Evaluation (paper read in A.I.E. Conference, Allahabad on 29.12.1965, presidential address).
6. Problems of Personality Assessment (Education and Psychology Review, January 1965).
7. New Horizons in Guidance. (paper read in Seminar of CASE).
8. Teaching of Social Studies in Indian Schools, (a book, published with Dr. Darji, Acharya Book Depot, Baroda, 1966).
9. Programmed Remedial Reading Test, (Stellit Books London).
10. Dimensional Approach to the Assessment of Interest, (Calcutta Review).

#### IV, Mrs. M. M. Amin

1. Clarifying the Concept of Standards (paper, submitted at the Seminar on "Education Standards", at Baroda, October, 1965).
2. Curricular Adaptations for the Gifted Children, (paper, submitted at the Seminar on Education of Backward and Gifted Children, at Baroda, December, 1965).

#### V, Dr. M. M. Shah

1. Current Problems of Indian Education, An article in local daily, October, 1965.
2. Diagnosis and Improvement in Teaching, An article in Nootan Shikshan, January, 1965.
3. An Aptitude Test for Secondary School Teachers, (a book), Construction and Standardization, June 1965.
4. Problems of Teacher Education, A paper, read at the Symposium on "Are Our Educational Standards Falling?".
5. Social and Economic Aspects of the Problem of General Backwardness in School Children, A paper, read in the Seminar on "Education of the Gifted and Backward Children" by CASE, Baroda.

#### VI, Shri J. J. Mody

1. Developing Reading Interests of Pupils, (paper, read in Seminar).
2. Modern Trends in Language Learning (Paper read in Seminar).
3. Primary and Secondary Languages in Curricula, (Paper read in Seminar).
4. Principles of Education, (a book), it is published by Oriental Institute, M.S. University Press, Baroda).
5. Gujarati Swarvyanjanmala (Monograph).

6. Diagnosis of Backwardness in School Children with reference to Gujarati as Mother Tongue (paper read in Seminar).

#### VII. Dr. G. B. Shah

1. Modern Philosophies of Education, (a book) published by A.R. Sheth and Co., Bombay-Ahmedabad.
2. Psychological Foundations of Social Studies, ((a article) Teacher Education, DEPSE, October, 1964. Also published in Social Studies Teacher, January, 1965.
3. Bricks and Buildings, (a article), Nootan Shikshan, October, 1964.
4. Our Language Problems, (a article), published in Loksatta, on 13.10.1964.
5. Essence of Education and Mechanics of Examination, (a article), Nootan Shikshan, January, 1965.
6. Research in Curriculum, published in Indian Education, February, 1965 Vol. IV, No. 3, AIFEA, Delhi.
7. The New Dimensions of Teaching Geometry, (a article), 'Sugaitam' March, 1965, Gujarat University, Ahmedabad.
8. Shah's Non-verbal Group Test of Intelligence (test), published by Balgovind Kuberdas & Co., Ahmedabad.
9. Manual of Shah's Non-verbal Group Test of Intelligence, (a book), published by Balgovind Kuberdas & Co., Ahmedabad.
10. An attempt in Remedial Teaching, (a article), published in Experiments in Secondary Education, Extension Services Department, M.B. Patel College, of Education, Vallabh Vidyanagar, Anand.
11. Causes of Backwardness in Mathematics, An Inquiry, A paper prepared for a Seminar on "Education of the Gifted and the Backward Children." arranged by CASE, Baroda.

#### VIII. Shri D. R. Darji.

1. A Critical Analysis of Question Papers of Gujarati S.S.C.E. Board, in Social Studies, (a article), published in Nootan Shikshan, August and September, 1964.
2. National Integration and Social Studies, (a article), with Dr. B.P. Lulla, published in Nootan Shikshan, November, 1964.
3. Design of Action Research, (a article), Contributed to (Action Research for Schools), Extension Monograph, Department of Extension Services, M.S. University, Baroda.
4. Potentialities of Integrated Teaching of Social Studies, (a article) published in "Social Studies Teacher", January, 1965.

5. The Impact of Integrated Approach of Teaching Social Studies on Pupils' (article), published in "Experiments in Education" May, 1965, M. B. Patel College of Education, Vallabha Vidyanagar.
6. Developing Creative Expression and Appreciation of Literature in Primary Language, (a article) (with Dr. B. P. Lulla), published in Nootan Smikshan, June 1965.
7. Vocational and Technical subjects in the Curricula, (a paper with Shri G. D. Mistry), published in "Curriculum Improvement in Secondary Schools", Publication of CASE, Baroda.
8. "Are Our Educational Standards Falling? - Secondary Education", (a paper), submitted for the symposium on "Are Educational Standards Falling", organised by CASE, Baroda on October 8th and 9th 1965.
9. Psychological Foundations of Social Studies, (a article), published in "Saraswatt", November, 1965.
10. The Role of Social Studies in World Understanding (a article), published in "Indian Education", November 1965.
11. Academic Causes of Backwardness in Social Studies, a paper read in the Seminar on "Education of the Backward and Gifted Children", organised by CASE, Baroda, during 13th to 15th December, 1965.
12. Curriculum Improvement in Secondary Schools, (a article), with Dr. B. P. Lulla, Nootan Shikshan, December, 1965.
13. "Teaching Social Studies in Indian Schools", (a book), written with Dr. S. Bhattacharya, the book is published by Acharya Book Depot, Baroda, April 1966.

IX. Mr. M. M. Chauhan

1. Diagnosis of Backwardness in Elementary School Children in Hindi, a paper read in the Seminar on "Education of Backward and Gifted Children", organized by CASE, Baroda, during 13th to 15th December, 1965.

X. Mr. K. C. Parikh.

1. Identification and Characteristics of Gifted Children in the Schools a paper read in the Seminar on "Education of Backward and Gifted Children", organized by CASE, Baroda, during the 13th to 15th December, 1965.

Extracts from the Report on the Centre for Advanced Study in Education, M.S. University of Baroda, submitted by Mr. M. A. Brimer, Head of the Research Unit of the Institute of Education, University of Bristol . . . . .

### Programmes

The Choice of programmes of study, research and teaching in any period should be guided by stated policy and by the special character of a Centre for Advanced Study. The 'enrichment' of a department for the pursuit of excellence places a heavy responsibility upon members of a Centre. The expectations of the Centre, nationally and in the eyes of staff of other universities must be met.

Educational research in a Centre for Advanced Study should have a character which is unattainable elsewhere. It is better to do a few things deeply and well than to do many things at the level that can be achieved elsewhere. None of the elements of the programmes so far tackled by the Centre have sought the rigour and depth that these considerations would entail. Educational research at this level takes more time than other kinds of research. The simple fact is that human growth and learning which are the subject of study take time which cannot be curtailed. Moreover, the practice of education is so widespread and involves such distances, so many institutions and so many people that nothing can be done hurriedly and well. The temporal limitation on productivity in terms of publications does not seem to have been recognised by the visiting members of the Education Commission. Pressure to justify the existence of the Centre by prolific publication will lead to the depreciation of the work achieved. Understanding of the problems of the research worker is best gained by detailed programming of work in which the steps in the study are fully identified. The objectives should be made crystal clear, particularly when these objectives are in the form of changed practices of schools rather than written documents.

The expectations deriving from the national status of a Centre must be taken into account and an explicit distinction made between studies of national importance and nationwide studies. The Centre is physically incapable of studying education in every part of India, but it must formulate its programme to take account of national problems and the diverse forms in which these problems present themselves in different parts of the country. For example, the teaching of Hindi may be regarded as a national problem, but if it is studied only in the context of the learning of Hindi by Gujarati-Speaking children, the effect of vernacular languages essentially different from Hindi will be ignored.

A special note is necessary on the Counselling and Guidance Unit. This unit was attached to the Centre, largely because U.G.C. support for its work was desirable. In practice, almost all the work of the unit is concerned with services to students and little time is available for teaching or research. The research work carried out by the unit is almost entirely the product of 'leisure time' work by the members. The research is of good quality, but it does not fit into the pattern of work that should be expected of a Centre. It would be better for the Unit to be absolved from research or teaching commitment, except to the extent that would be expected from any academic members of the University staff. Financial convenience should not be allowed to dictate the work that units must by their nature seek to perform.

RECOMMENDATIONS

- 1.5 That research projects be fewer but more substantial and rigorous and that they represent national but not necessarily nationwide problems.
- 1.6 That the 'unit' aim at giving a service in research design and analysis to other members of staff and to other Universities in India.
- 2.2 That all projects be selected for inclusion by a small committee made up of the Head of the Centre, the director and deputy director of the 'unit', the Head of the National Centre for Educational Research and Training, a member of the U.G.C. a member of the Education Commission and a representative of Government (e.g. the Director of Education for Gujarat).
- 3.2 That the post of Director be filled by invitation for the next three to five years by a foreign, visiting professor, experienced and eminent in the field of educational research.
- 4.1 That policy and programme decisions be taken only after consultation with all professional staff of the 'unit'.
- 5.1 That instrumental programmes of test construction and material preparation be made subservient to the needs of particular projects and not engaged in merely to produce tests or materials.
- 5.2 That a severe pruning of projects for the next five years be made leaving the following suggested studies:
- 5.21 A curriculum development programme in language learning;
- a) first language learning including reading and writing at the primary level.
- b) second language learning of Hindi and English at the secondary level.
- 5.22. A curriculum development study in social studies at the secondary level to provide a model for subsequent work in Mathematics and Science.
- 5.23 A study of wastage and general backwardness at the primary level.
- 5.4 That the counselling and guidance service be detached from the 'unit' and form an autonomous service, ultimately being administered by a Dean of Students.
- 5.5 5.51 That any financial arrangement with the U.G.C. leave its present direction and activities as they are but guarantee the Centre's continuity.
- 5.6 That the detail of plans for projects be so complete by the time the project begins, that each contributor to the project has full knowledge of what he is to do and when and where he is to do it.



Extract from the Report made by Mr. M. Shilbeck - Lecturer in the Research Unit of Institute Of Education, University of Bristol.

Emphasis in the various projects so far carried out by the Centre has been given to psychological and statistical analysis. There is no work under way in philosophy, or history, or sociology of education, or in comparative, administrative, or policy studies. Consideration might well be given to the development of certain of these areas. Curriculum research as proposed by the curriculum unit is likely to expose problems in these areas and it may lead to the development of a broader concept of "research" than exists at present.

Teaching is carried out by members of the Centre, most of whom take classes in the regular B.Ed. and M.Ed. programmes. This teaching is not specifically linked with the research concerns of the Centre and it may well be too distracting and time consuming unless rigorously limited. Workshops and seminars, some of them on an all-India basis, have been conducted quite frequently. These have served in part to disseminate the findings of the various research projects. The proposal to link these in future very closely with the projects being undertaken seems a good one.

In its short existence, the Centre has produced a long list of publications. Because of an earlier policy which is now being relaxed, many of those were brought out quickly, as concrete evidence that work was progressing, and they certainly testify to very considerable activity. Fewer and more substantial publications are now proposed, and these should help to further the academic reputation of the Centre.

The Centre is emerging from its first, pioneering phase and for its next, more mature stage of growth, it has set itself an ambitious programme of projects. Perhaps there should also be some ambitious policy making in this period of transition, to provide a secure and adequate structure for the next few years.

The second major task that should be undertaken in this transitional period is the creation of a research design unit, the "professional nucleus" recommended by Mr. Brimer. This could be done quite easily by appointing another research methodologist to assist Professor A.S. Patel giving three specialists in research design and statistical analysis who could on request service the various projects being undertaken by the existing units, as well as constructing a research programme of their own. This nucleus group should work closely with all of the units, and particularly with the Psychometrics Unit, as together these two should constitute a strong team of research workers in the behavioural sciences.

Much work has already been done on these two tasks but it would be a good thing to take them up again, with renewed energy, so that everyone can see clearly the future pattern of the Centre in so far as this can be rationally planned.

Project Work:

My main purpose in coming to the Centre was to share in the work of the Curriculum Unit. Under Dr. B.P. Lulla, this unit has been very

(33)

active in pursuing various research projects, and organising seminars and workshops. The plans announced for the next few years indicate that ambitious and much needed efforts are going to be made to improve the school curriculum especially at the secondary level. The Curriculum Unit intends to mount a series of development projects, whereby in different areas of the secondary curriculum experimental syllabuses and a wide range of new teaching materials are going to be produced and tried out in school situations. Careful and continuous assessments are going to be made of the effectiveness of the new curriculum materials and special efforts are going to be made to involve classroom teachers, in the production of materials, in teaching experiments, and in follow up workshops and seminars.

This work will begin with a five year project in secondary school social studies, and it is in the preparation of this project that I have been particularly engaged while here. In addition to this, I have helped to plan and conduct a five day all India workshop in curriculum development, and with Mr. G. Nibalkar of CASE II have been planning a smaller scale curriculum project in art education.

It is hoped that through the work on Social Studies a model for curriculum development, appropriate to Indian conditions, will be produced. This could then be used in other parts of the country, as well as for the projects the Curriculum Unit of CASE intends to undertake in mathematics, science and languages.

Very briefly, the Social Studies project outline is as follows:-

1. Preparation of plan by the curriculum unit and discussion by other members of the Centre..
2. Appointment of a working party, comprising two members of the Curriculum Unit and two teachers from local secondary schools.
3. Appointment of a representative advisory committee.
4. Establishment of working party targets:
  - i) Review of social studies teaching and of the literature of social studies;
  - ii) Formulation of operational goals for new programmes in half a dozen experimental schools;
  - iii) Preparation of teaching materials, including syllabuses, teaching and resource units, a teachers' manual, teaching and study aids, test and evaluation devices;
  - iv) Introduction of new materials into the experimental schools; continuous evaluation and revision;
  - v) Development of a workshop and advanced in-service training programmes.
5. Review of work done, achievements and difficulties; proposals for future developments.

This is a very bold outline of a project for which I have prepared a fuller paper and this is available to the Centre staff. There have been discussions of the project in the Curriculum unit and by the head of units and by the Centre's programme committee. However, the detailed work of setting up the project, time-tabling it, arranging for the co-operation of the various parties involved, and preparing, introducing, and evaluating the new curriculum materials lies ahead.

The other curriculum project which I have been helping to plan is in art education. I had not anticipated such a project, but a combination of factors made me think that it should be undertaken. From visits to schools and discussions with art teachers both in schools and the university, I have come to believe that the place of the arts in the secondary curriculum is not at all well understood. In some schools, promising programmes are being developed, but in many schools there is little realisation of the contribution of the arts to the growth of the personality or to the life of the school community. The status of the art teacher is generally low, he is obliged to follow a syllabus which can easily become very mechanical, and he often works without adequate support. Material are frequently very limited in range and uninspiring to children whose initial enthusiasm is not great.

I suggest, therefore, that the Centre should undertake a curriculum project in art education, bringing together university specialists and practising school teachers to create a new curriculum in art, initially for the first year of secondary school. A similar procedure to that adopted for the social studies project might be adopted. I have prepared a fuller paper for the art project, which is available to the Centre staff. A special feature of this project is that I have proposed that it should be accompanied by a one-year in-service course for art teachers, to be conducted by Mr. P. A. Dave of the General Education Department, under the auspices of the extension Department of the Faculty of Education and Psychology.

I want to end this section, and the report as a whole, with a reminder to the Centre of what an outsider can perhaps see a little more clearly than those who are in the thick of things. The existence of a Centre for Advanced Study in Education presents a great and challenging opportunity for educationists to demonstrate the intellectual and the practical value of advanced and objective study of educational problems. The problems in Indian society are, as every one admits, of almost overwhelming proportions. Whether education can be instrumental in solving them, and in contributing significantly to the growth of Indian democracy is doubted by some people, including teachers. A single university centre cannot perhaps do much alone to show that these doubters are wrong. However, this particular centre has been set up with a generous provision of staff and funds and with both national and local support of various kinds. In cooperation with schools, with other university departments, and with other institutions concerned with the study and the advance of education, it could make a significant impact on Indian education. It was surely with this hope that the Centre was established, and is being supported by the Indian Government and by funds and people from Britain and the U.S.A. The Centre has made a good response in its first years to the hopes held of it. As it moves into full strength and maturity, it should rise to the challenge, and demonstrate by the works it has planned and is engaged in the intellectual value of advanced educational study and its practical significance in a developing society. From my experience of the staff of the Centre, I should say that they will be doing their utmost to meet this two fold challenge.

+ The Committee, while noting with satisfaction the keen interest evinced by the individual staff members working in different units of the Centre and the progress of work done so far, would like to make the following comments and suggestions for the better functioning of this Centre as a national Centre for Education in the future, particularly keeping in view the fact that this is the only advanced Centre of Study in Education, among the Universities.

(i) One of the basic objectives of recognising selected departments of the Universities as Centres of Advanced Study is that they must function as all-India centres providing facilities for work by scholars drawn from other Universities and Institutions also interested in the subject. The national character of the Centre needs to be emphasised both in the matter of recruitment of permanent staff as well as other research positions and also in the selection of students for advanced training and research. The educational programmes undertaken should be of an all-India character rather than restricted to the immediate environs of the University if these programmes are expected to make an impact on a national scale.

(ii) More careful attention should be paid to the identification of research problems of high priority and importance. There also remains scope for considerable improvement in the research design.

(iii) In the matter of selection of expert members to serve on the Advisory Committee also, it is desirable that experts are drawn on an all India basis and the term of the office of the members generally limited to two years or so. This will help the Centre to obtain fresh expert advice periodically.

(iv) The Centre should not be treated as a separate unit in the faculty of education but should form an integral part of the department of education and function in closest coordination with other departments of the faculty as well as other related departments in the University so that it could properly orient its various programmes. Any tendency for each of the units within the Centre to function as isolated units should be discouraged and in order to achieve this, the Centre should lay down the broad outlines of its programme of work into which the various activities of the units could be closely interwoven. The objectives of various investigations and projects undertaken should be defined more clearly and in greater detail, and some indication should be given regarding their design, plan of work and the educational problems to the solution of which the research is directed. The several units should work out together a coordinated plan of long range nature so that the Centre would make a serious impact on the educational system in the country as a whole. It would appear that the emphasis on the various research projects taken by the units at present has been largely on the study of backwardness and under achievement of children at the elementary school level. It would be desirable that some of the projects are directed towards the study of gifted children and talent search as such study would provide the basis for devising curricula and methods suited to gifted children. The need for such projects is urgent, at the present juncture, when it is found necessary to provide special facilities for gifted children to develop their potentialities fully.

(v) The language learning unit has been recently introduced into the faculty of education. There is no department of Linguistics in the University. Since the Language Unit is dealing essentially with problems of methodology, it can be expected to do useful work in the existing set up. In case the need arises it can seek assistance from the Departments of Linguistics of other Universities.

- (vi) The funds made available for purposes of visit fellows have not been made use of by the Centre. It is most desirable that the Centre should invite scholars of distinction to come to the Centre not only for participation in seminars but also for delivering series of lectures etc., The teachers in the field of education who may like to spend short periods at the Centre and work on projects undertaken by the different units of the centre should also be encouraged.
- (vii) The Centre should not only organise short courses for the benefit of teachers of the State of Gujarat but also provide advanced courses in important aspects of educational research to the teachers to be drawn on an all-India basis. They should be helped to improve their subject matter competence and research techniques and methodology and benefit by their association with the projects undertaken by this centre.
- (viii) The collaboration available through the British Council with the Universities in United Kingdom should be better planned and well utilised if this programme is to be of advantage to the various activities undertaken at the Centre. In order to strengthen its work on various educational statistics, it is desirable that the Centre should have some staff who have training in Mathematics and Statistics to help in the design of experiments etc. The resources personnel for the various seminars organised by the Centre should be drawn from different parts of the country. A continuous as well as periodic evaluation of the research work undertaken at the Centre by experts from outside the Universities should be given due consideration. The publications undertaken by the Centre should be more selective and it may not be necessary that all papers presented at any of the seminars should be published. Selected and important contributions could be carefully edited and published in the form of proceedings. The Centre should list as research studies only important publications brought out in national and international journals of significance. Articles written by teachers for popular reading should not be classed as research publications.
- (ix) It has been observed that in the matter of recruitment of persons to the various posts approved at the centre, the University has generally promoted or transferred persons who were already working in the faculty and, in most cases, has made in their place substitute appointments in a junior cadre. While this may have been due to the selection procedures followed by the University, it should make serious attempts to fill the resultant vacancies in appropriate cadres so that the staff sanctioned for the centre would be in addition to the staff that already existed. Thus a large sized group of workers could be gradually built up. Otherwise the grants made available by the Commission would have been utilised for the usual maintenance rather than for strengthening a school of active research workers in education drawn from different parts of the country.
- (x) As a result of the appointments made as indicated above, the staff of the Centre have to share in a major way the responsibilities of teaching in the faculty because the experienced and well qualified personnel have been drawn away from the present department

to the Centre and the persons appointed in lieu are mostly junior staff members who may not be suitably qualified to teach the various disciplines at advanced level. The University should, therefore, re-examine the teaching load carried by the staff of the centre, so as to allow them more time for research work. This should not however mean that the staff of the Centre should be disassociated from the teaching of the faculty. The teaching and research should go together in a reasonable proportion so as to help the aims and objectives of the Centre.

(xi) The library of the faculty and the Centre should be brought together to be available for all interested in the use of books and research journals in the field of education. Perhaps this could be done when the centre has moved to its new buildings.

(xii) The Committee also examined the two associated proposals relating to (a) the Examination Research Unit and (b) the Student Counselling Centre. As already indicated above, the work undertaken by the Examination Research Unit could easily be integrated with the work and programmes of research at this Centre and the completion of the reports of the work done by this unit should be expedited. The staff of the unit should be fixed up against available vacancies in the Centre and, if necessary, additional posts could be made available after such adjustment has been made.

(xiii) The Committee, considered the proposal of making the students counselling centre a part of the Centre of Advanced Study and to merge the entire staff of that unit as additional staff of the Centre. While it is possible to take up research in counselling and guidance, the various activities of the Student Counselling Centre, as it is functioning at present, generally fall outside the purview of the type of work expected of the Centre. At present a major part of its guidance relates to making available general information about the opportunities for study, facilities in other universities and miscellaneous information of the type. The other activities of education and vocational guidance could well be included in the general guidance programme of the University Guidance Service. The University, may, therefore, if it so desires, continue to maintain, from its own resources, the student counselling Centre as a general activity of the University.

(xv) The additional requirements of the Centre both with regard to the non-recurring expenditure as well as recurring expenditure could be considered during the Fourth Plan period when the organisation pattern as well as its academic programmes would be more clearly defined.

Meeting:

5th July, 1967

Item No:11: To receive a reference from the Government of India, Ministry of External Affairs with regard to Correspondence with Taiwan Government Organisations.

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The Government of India, Ministry of External Affairs have informed all the Ministries and Departments of the Government of India that they should not enter into any type of correspondence or negotiations with any Taiwan Government organisation. An extract from the letter issued by the Government of India, to all Ministries and State Governments is reproduced below:-

"It has been observed by this Ministry that some Government of India departments have occasionally entered into direct correspondence and negotiations with the official agencies of the Taiwan Government (also known as 'the Republic of China'). As the Government of India do not recognise the Taiwan Government such official-level contacts are undesirable and liable to mis-interpretation. To avoid this all Ministries and Departments of the Government of India are requested not to enter into any type of correspondence or negotiation with any Taiwan Government organisations."

The matter is reported to the Commission.

A.E.O(CDN I)

UNIVERSITY GRANTS COMMISSION

MEETING

Dated: July 5, 1967

Item No.12(a): To consider a proposal of the Madras University for extension of its central library building at an estimated cost of Rs.5 lakhs.

...

During a recent meeting Joint Secretary had with the Vice-Chancellor, Madras University, the Vice-Chancellor stated that one of the pressing requirements of the University related to expansion of its central library, which was estimated to cost about Rs.5 lakhs. He mentioned that this library had been put up more than 25 years ago and that its reading area of about 6,000 sq.ft. was as inadequate for meeting the needs of the large number of university departments and colleges situated in the city as was the stacking area in view of its holdings numbering about 2.5 lakhs volumes and a thousand volumes being added yearly to the collection.

It may be mentioned in this connection that the IVth Plan visiting committee of the Commission has also referred to this situation and suggested putting up an independent library building on the university campus, during the Vth five-year plan, in addition to construction of a library building, during the IVth five-year plan, at the A.C. College of Technology, to serve its university departments, at an estimated cost of Rs.12 lakhs.

The Vice-Chancellor has, however, requested that urgent consideration be given to the proposal to extend the central library during the IVth five-year plan itself. The Commission may like to give a high priority to this proposal as it concerns provision of essential facilities in the central library of the Madras University, which serves the entire community of its students and teachers. The expenditure on expansion of the library building, viz. Rs.5 lakhs, may perhaps be met by adjustment within the ceiling which the Commission may approve on the basis of the recommendations of the visiting committee amounting to about Rs.1.18 crores for the Madras University. Land is available on the site of the present library building to bring about the proposed expansion.

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.13: To consider the following proposals received from the Banaras Hindu University:-

- (a) Reorganisation of the Library. p.40-43
- (b) Health Examination of students. p.44-45
- (c) Certain ancillary works for the College of Medical Sciences. p.46-48

....

Meeting:  
Dated 5th July, 1967.

Item No. 13(a) : To consider the proposal received from Banaras Hindu University for the reorganisation of its library.

In March, 1967, the Ministry of Education, Government of India set up a work-team consisting of some senior staff members drawn from the National Library, Calcutta and the Insdoc, New Delhi under the leadership of Shri B.S. Kesavan, Library Adviser to the Government of India, to study in detail the working and organisation of the Banaras Hindu University Library. The report of the team is attached (Annexure I).

The main observations of the work-team are reproduced below:-

- (a) There is not enough reading space in the university library for students and faculty members. The reading space has to be so reorganised as to permit at least 400 students to study at one time in the library.
- (b) The periodical section is in a sad state and requires thorough overhaul to make it serviceable to the departmental libraries.
- (c) The card catalogue of the library presents a very confusing situation and is not in the least helpful to the readers in locating books on the shelves. Not only is the existing catalogue in a state of disarrangement, it is doubtful whether entries in the cabinet are reflected on the shelves, and whether books on the shelves have entries in the cabinet.

In order to provide more reading space, the work-team has suggested dismantling shelves in two rooms and shelving all the books so displayed in the front stacks flanking the rotunda. Dismantled shelves could be used by the colleges of the university which are reported to be in need of them.

The expenditure during the current year towards the re-organization of the university library as estimated by the work-team will be Rs. 5,18,000 as detailed below:-

1. Dismantling, cartage and re-erection of the stacks.  
The stacks that will be removed from the side-wings of the library will be distributed to the college libraries of the Engineering College, College of Technology, Indology College, etc., The total expenditure for dismantling as well as re-erection will be Rs. 7,500
2. All card catalogue cabinets - ten units
3. <sup>1500 drawers</sup> Six units of Remington Cardex - Rs. 30,000  
Rs. 6,000
4. Reference books - Total Rs. 5,00,000 to be spent in about 5 years - first phase Rs. 2,00,000
5. Book ends for the Library Stack Room (12000) Rs. 30,000
6. Shelf labels (12000) Rs. 12,000
7. Wooden shelves for the Central Hall - 100 Units unit shelving single Rs. 75,000

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8. Reading tables and chairs for 400 students.	Rs. 75,000
9. Staff room - Chairs, Study Tables etc., 200 units.	Rs. 50,000
10. Counter	Rs. 7,500
11. Periodicals - Display, back number storage and reading tables covering 2500 periodicals and allowing for 200 readers.	Rs. 1,00,000
12. Library Stationery	Rs. 25,000
	<hr/>
Total :	Rs. 5,18,000
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The University has requested the Commission for a special grant of Rs. 5,18,000, outside the Fourth Plan allocation of the university, for re-organising the university library as recommended by the work-team.

It may be mentioned in this connection that during the Fourth Plan period the Commission approved an expenditure of Rs. 2,15,662/- for the expansion of the Banaras Hindu University building and Rs. 3,85,500/- for stack rooms and steel stacks. A grant of Rs. 5,05,000 has been released on these two accounts (Rs. 1,75,000 for expansion of library building and Rs. 3,30,000 for stack rooms and steel stacks).

It will be seen that the University first approached the Commission for assistance towards provision of new stack rooms and steel stacks. The university is now proposing, on the recommendation of the work-team, that the steel stacks be dismantled to create more reading space.

It may also be mentioned that a provision of Rs. 7 lakhs was approved for books and journals of the Banaras Hindu University during the Third Plan period. Of this, the University has utilized a sum of Rs. 2,57,000.

During the Fourth Plan period the Commission has allocated a basic grant of Rs. 3.0 lakhs for the purchase of books and journals. The Fourth Plan Visiting Committee has also recommended a further provision of Rs. 8,15,000 for books and journals for the departmental and the general library.

The matter is placed before the Commission for consideration.

E.O(H)/D.O(H)

Report of the Committee on the re-organisation of  
Banaras Hindu University Library.

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As directed by the Hon'ble Minister for Education, Government of India, Dr. Trigun Sen, I have undertaken the responsibility of the re-organisation of the Banaras Hindu University Library with the help of senior staff drawn from the National Library, Calcutta and the Indoc, New Delhi, working completely in cooperation with the Librarian and the staff of the Banaras Hindu University Library. The work team preceded me to Banaras by a week in order to acclimatise themselves with the conditions of the Library and to study in detail the various sections. I arrived on the 26th and decided upon the work plan after consulting the Librarian and his senior staff. I am happy to say that I have the fullest cooperation of the staff of the Library in carrying out my responsibility.

The chief difficulties of the Library are as follows:-

- (a) There is not enough reading space for students and faculty.
- (b) The periodical section with its implications of servicing the Departmental Libraries is in a sad state and requires thorough overhaul.
- (c) The card catalogue of the Library presents a very confusing situation and is not in the least helpful to the readers in locating books on the shelves. Not only is the existing catalogue in a state of disarrangement, it is doubtful whether entries in the cabinet are reflected on the shelves, and whether books on the shelves have entries in the cabinet. There has been a sample survey and the results have been very unsatisfactory. Also whereas the holdings of the Library come to nearly 3 lakhs volumes, the cards in the cabinet represent only a fraction of the stock held. This has to be immediately set right for the smooth functioning of the Library.
- (d) The reading space in the reading room has to be so organised as to permit at least 400 students to study at one time in the Library. Considering that the students strength in the University is 7,000 or over, even allowing for the fact that the Departmental Libraries might draw away a portion of the students to read in the Departments, even so, the present capacity of the reading room is very low. Again the staff strength of the University is about a thousand and we should at least have, according to the normal space for at least 1/5th of the staff, available at one time for reading purposes in the Library. The only solution to the problem is to shelve all the books in the front stacks flanking the rotunda, and after dismantling the stacks in the two rooms use it for building up the space requirements for students and faculty. Fortunately the dismantling of the stacks will be utilised by the Women's College, the Engineering College and the College of Indology, who have dire need for the stacks. For our requirement, for equipping these rooms with the necessary reading tables, chairs, shelves, lighting and card cabinets, an estimate has been worked out and given to the Banaras Hindu University authorities, and the total cost for the reorganisation comes to near Rs. 5,18,000 (Five lakhs and eighteen thousands) only, for nonrecurring capital expenditure. This sum includes

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provision for expenditure on the augmenting of the reference collection which is in a primitive state.

It also includes the expenditure on catalogue cards; the Remington card units, stationery requirement in the shape of 5 x 3 slips, and card index forms. It is also necessary that during the period of reorganisation a team of 4 typists are available constantly to type out the cards and other forms necessary for the reorganisational work. It is estimated that about 5 lakhs of cards alone are required in order to furnish the card cabinet and the expenditure on this will come to Rs.7,500. Expenditure on guide cards of which we need at least 10,000 comes to Rs.60/- per thousand. Shelf labels, plastic guides and book ends are also required and have been included in the total figure of 5,18000.

Sd/-

B.S.Keshvan

29.4.67

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated 5th July, 1967.

Item No. 13(b) - To consider a proposal received from Banaras Hindu University for Health Examination of Students. -----

The University Grants Commission appointed sometime back a Committee under the Chairmanship of Dr. A. L. Mudaliar, Vice-Chancellor, Madras University, to formulate a scheme for Health Service for students and staff in Universities and Colleges. The Commission accepted the recommendations contained in the Report and desired that the question of implementation of the Mudaliar Committee Report may be taken up in the case of the Central Universities and the Universities be requested to send their specific proposals to cover both employees and the students of the Universities. The Universities were, therefore, requested to send their specific proposals in this regard.

2. The Banaras Hindu University has not drawn up the complete scheme with reference to the recommendations contained in the Mudaliar Committee Report. They have, however, drawn up a scheme for the Compulsory Health Examination of students as envisaged in the Report. A copy of the University's letter dated 13.4.1967 in this regard is attached (Annexure ). The scheme is to be taken up as a pilot project by the Department of Preventive and Social Medicine of the College of Medical Sciences. The project will undertake students' Health Examination, Immunisations, Health Education, special surveys of students, health problems, maintenance, analyses and scientific publication of the records. The scheme involves the appointment of 3 Medical Officers, 1 nurse, 1 peon and 2 sweepers.

3. The University has been requested to send the financial implications involved in the proposal and also to indicate the income which it would get from the medical fee levied by the University from its students.

The matter is placed before the Commission for consideration.

A.S(CU)/D.S(A)

Copy of D.O. letter No. ACU/185 dated 13th April, 1967 from Dr. K.N. Udupa, Rector, Banaras Hindu University, to Shri R.K. Chhabra, Deputy Secretary, University Grants Commission, New Delhi.

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Kindly refer to your letter No. F.46-14/65(CU) dated the 19th November, 1965 expressing thereby the inability of the University Grants Commission to accept the proposal of the University for the creation of the posts for the Department of Social and Preventive Medicine towards the Health Service Scheme in view of the National Emergency.

In this connection, I would like to invite a reference to the Commission's letter No. F.50-5/67(CU) dated the 27th March, 1967 for the formulation of a scheme for Health Service Scheme for students and staff in the Central Universities. On going through the Report of the Committee on Health Service for Students and staff in Universities and in view of the recommendations made therein at pages 11, 12 and 20, the University desires to implement the Pattern of Dispensary Service Scheme, i.e. 4 Doctor Dispensary and Health Clinic Unit.

Re: Pattern of Dispensary Service Scheme

Since the population served is between 9,000 to 12,000, 4 Doctor Dispensary Pattern as mentioned on pages 11 and 12 of the Report is needed. The proposal for the same will be sent to the Commission shortly.

Re: Health Clinic Pattern

Since the student population is 8,000 in the University, the Health Clinic Pattern No. 2 page 20 of the Report, with a provision of 3 Medical Officers, one nurse, one peon and one laboratory technician, as given on page 20 of the Report, shall be applicable to us. Except the post of technician, other posts may kindly be sanctioned immediately. In lieu of the post of laboratory technician, two sweepers may also be sanctioned for laboratory work, as the laboratory of the Department of Preventive and Social Medicine will provide the technicians services. No clinic or field laboratory service for students is possible, without sweepers. This Unit under P.S.M. will undertake students' Health examinations, Immunisations, health education, special surveys of students, health problems, maintenance, analyses and scientific publication of the records. Thus, through coordinated efforts, the Unit will provide much more without additional staff than what is envisaged by the Committee.

As the Commission is already aware, it has not been possible for us to arrange Health examination of the students of the University for the last 3 - 4 years due to inadequacy of the staff. This lapse was also pointed out by the Estimates Committee appointed by the Government of India which visited the University previously. As such, it is extremely necessary for the implementation of the Health Clinic Pattern No. 2 so that the Health Examination of the students of the university as well as maintenance of their records could be undertaken from the academic session (July) 1967-68.

In view of the facts stated above, I shall be grateful if you could kindly look into the matter personally and arrange to communicate to the University the sanction of the Commission for the following posts at your earliest:

- 1. Medical Officers        3
- 2. Nurse                    1
- 3. Peon                      1
- 4. Sweepers                2

.....

Addl. information on Item No. 13(b)

D.O.

Copy of letter No. ACU/1423 dated 15th June 1967  
from Dr. K.H. Udapa, Rector, Banaras Hindu University,  
Varanasi to Shri R.K.Chhabra, Dy. Secretary, UGC.

Kindly refer to your D.O. No: F. 46-28/67(CU) dated the  
20th May, 1967 regarding the scheme relating to the Medical Check  
up of the students of the Banaras Hindu University.

In this connection, I wish to say that a sum of Rs. 41,146/-  
will be required towards the appointment of staff etc., as detailed  
hereunder:

I. STAFF

1) Medical Officer in the grade of Es. <del>400-40-800-50-950</del> plus NPA Es. 225/- DA Es. 120/- and HRA @ 10% of the salary.	Three	Es. 24,420/-
2) Nurse in the grade of Es. <del>130-5-150- 8-200-EB-8-280</del> plus DA Es. 70/- HA Es. 15/- and CCA @ 5%.	One	Es. 2,658/-
3) Peon in the grade of Es. <del>70-1-80- 1-85</del> plus DA Es. 38/- H.A. Es. 10/- and CCA Es. 5/-	One	Es. 1,356/-
4) Sweeper in the grade of Es. <del>70-1-80- 1-85</del> plus D.A. Es. 38/- H.A. Es. 10/- and CCA Es. 5/-	Two	Es. 2,712/-

II. Contingencies for immunisation agents etc.	Rs. 10,000/-
Total:	<u>Rs. 41,146/-</u>

The details of income received by the university during the  
year 1966-67 on account of Medical fee charged from the students  
are given below. This income is already accounted for in the General  
Budget of the University.

1) Medical fee charged per student residing in the Hostels.	Es. 39,552.00
2) Health Examination fee @ Es. 1/- per annum per student.	<u>Es. 8,673.00</u>
Total:	<u>Es. 48,225.00</u>

The estimated income on the above account, as accounted for in  
the General Budget for the year 1967-68, is Rs. 45,000.00.

It may please be noted that the income from the Medical fee  
and Health Examination fee has already been included in the Revenue  
Budget of the University and the Block Grant has been fixed after  
taking into account the above income. As such, the posts required for  
implementation of Health Service Scheme may be considered for sanction  
under IV Plan.

I shall be grateful if you could kindly arrange to communicate  
to us the approval of the University Grants Commission to the appointment  
on the above posts at an early date so that the Health Clinic work may  
be started functioning from 1st July, 1967, when the University reopens.



UNIVERSITY GRANTS COMMISSION.

Meeting:  
Dated: 5th July, 1967.

Item No.13(c):To consider the proposal of the Banaras Hindu University for taking up certain ancillary works for the College of Medical Sciences.

...

The Banaras Hindu University has sent a proposal for taking up the construction of certain ancillary works for the College of Medical Sciences of the University at an estimated cost of Rs.3,01,400/-. A copy of the letter dated 4.5.1967 received from the College is enclosed (Appendix).

2. The Commission on the recommendation of the Visiting Committee appointed to assess the requirements of the College of Medical Sciences of the Banaras Hindu University, allocated a sum of Rs.44 lakhs for the construction of a building for the Medical College. However, the estimated cost on the basis of tenders accepted by the University in respect of the above project, as accepted by the Commission, amounts to Rs.48,40,950/-. In addition a sum of Rs.94,700/- has also been sanctioned for construction of a gas plant and animal house for the Medical College.

3. The University has now stated that the construction of the Medical College building is expected to be completed by the 30th September, 1967 and that the following ancillary works are also needed, without which it would not be possible to make full use of the building:

i) Gas plant and gas mains	Rs.1,77,000/-
ii) Electric sub-station	Rs. 79,400/-
iii) Construction of over-tank	Rs. 45,000/-
Total:	<u>Rs.3,01,400/-</u>

4. The University has also added that it would be necessary to provide laboratory and other furniture in respect of which estimates are under preparation. This would be in addition to the grants already sanctioned for furniture.

The matter is placed before the Commission for consideration.

A.S.(CU)/D.S.(A)

APPENDIX TO ITEM NO. 13(c).

Copy of letter No. ACU/X(ii)41-A/Pt.1i/543 dated 4.5.1967 from the Registrar Banaras Hindu University, Varanasi-5 to the Secretary, University Grants Commission, New Delhi.

....

Subject: College of Medical Sciences -  
B.H.U., Ancillary Works.

...

I am to invite a reference to the Commission's letter No. F.46-26/64(CUP/CU) dated 4.10.66 conveying thereby the sanction of Rs.48,40,950/- for the construction of the College of Medical Sciences on the basis of actual tenders received, as per details given below:

1. Cost of building work & External services.	Rs.32,37,513.00
2. Cost of Electric Installation(excluding cost of fans & operation Theatre light) i.e. value of tender accepted.	Rs. 7,15,344.81
3. Sanitary Installation as per lowest tender accepted..	<u>Rs. 3,21,801.44</u>
	Rs.42,74,659.25
4. Add: 3% contingencies.	Rs. 1,28,240.00
5. Add: 4% Architects fee	Rs. 1,70,986.00
6. Cost of fans & Operation Theatre light.	<u>Rs. 2,67,065.00</u>
Total:	Rs.48,40,950.25

The construction of the building is fairly advanced. The first wing has been completed; and the Second Wing is nearing completion. The third and fourth wings are also expected to be completed by the 30th September, 1967. We find, however, that certain essential ancillary works are needed without which it will not be possible to make the full use of the building. The estimated costs of these ancillary works are given below:--

1) Gas Plant & Animal House.

Amount sanctioned by the U.G.C. along with the preliminary estimates vide their letter No.F.46-15/61(Cup) dated 22.11.62 is Rs.94,700/- . But it is not included in the above statement of cost.

Rs. 94,700/-

2) Gas Plant & Gas Mains.

Approximate cost of the Gas Plant & Gas Mains for the whole building as per details given below:

- a) Cost of Gas Plant Solvent oil type.  
8 Units of 900/10000 Sft. Rs. 59,472/-
- b) Cost of pipe lines & 820 Two way gas cocks. Rs.1,06,000/-  
Rs.1,65,472/-

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c) Add : 3% Contingencies Rs. 4,964/-  
d) Add : 4% Architects Fee. Rs. 6,619/-

Total: Rs.1,77,055/-

SAY: Rs.1,77,000/- Rs. 1,77,000/-

3) Electric Sub Station:

The total electric load of the building is about 600 KVA for which a Transformer & LT Switch gear & sub station is required at an estimated cost of

Rs. 79,400/-

4) Water Supply:

Construction of an overtank of 30,000 gallons - capacity with staging.

Rs. 45,000/-

Total

Estimated cost:

Rs. 3,96,100/-

It will also be necessary to provide laboratory and other furniture of which the estimates are under preparation, which will be submitted very shortly. These estimates will be in addition to the grants already sanctioned for the furniture.

It is requested that the University Grants Commission may kindly communicate their sanction for payment of a sum of Rs.3,96,100/- as mentioned above to the University for gas, electric and water supply towards building for the College of Medical Sciences so that these services may be provided and the Building put to full use.

...

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.14: To consider the following proposals received from Delhi University:-

- (a) Establishment of the Department of Geology.  
p.50-52
- (b) Payment of a grant of Rs.12,000/- towards stipends to two Visiting Professors for a period of one year.  
p.53
- (c) Payment of an ad hoc grant to the Lady Irwin College for the Department of Food and Nutrition.  
p.54-58
- (d) Creation of two additional posts of Lecturers in Commerce in the Institute of Post-graduate (Evening) studies.  
p.59-61
- (e) Continuance of the Planning Unit in the Delhi University.  
p.62-65

...

UNIVERSITY GRANTS COMMISSION

50

Meeting:

5th July, 1967

Item No. 14(a) : To consider a revised proposal from the Delhi University for the establishment of the Department of Geology

1. The Commission at its meeting held in March, 1966 considered a proposal from the Delhi University for the establishment of a Department of Geology involving an expenditure of Rs. 13.93 lakhs - Non-recurring Rs. 7.92 lakhs (building Rs. 4.40 lakhs, equipment Rs. 2.52 lakhs and Library books & journals Rs. 1.00 lakh) and Recurring Rs. 6.01 lakhs (teaching staff Rs. 4.48 lakhs plus non-teaching staff and other recurring expenditure Rs. 1.53 lakhs), and accepted the proposal in principle and desired that preliminary steps be taken so that admissions be made with effect from the academic year 1967-68.

2. In April 1966, the University requested for Commission's approval for the creation of a post of a professor so that the planning of the Department of Geology could be done properly. This was accepted by the Commission (vide Item 2(a) No. 12 July '66).

3. The Commission at its meeting held in December, 1966 (vide Item 52) also acceded to the request of the University for the creation of the post of a Reader in the Department of Geology subject to the condition that the expenditure on the establishment of the geology department be met from the Fourth Plan allocation to the University.

4. The proposal for the establishment of the Department of Geology at Delhi University was examined by the Visiting Committee when it visited the University on 31st October and 1st November, 1966. It appears that the Visiting Committee had recommended the following grants for the establishment of the Department of Geology:-

Non-Recurring

Recurring (per annum)  
Staff                      Amount

(a) Building with furniture.	Rs. 5.00 lakhs	(a) 12 Lecturers*	Rs. 13,000 approx.
(b) Equipments:	Rs. 2.50 lakhs	(b) Supporting staff	Rs. 10,000

\*in addition to posts of IP+IR approved earlier by the Commission.

The Visiting Committees' recommendations for the development of higher education and research at various universities are being placed before the Commission at its July 1967 meeting for consideration.

While considering a proposal from the Delhi University for a grant of Rs. 23,200/- for the years 1966-67 and 1967-68 towards the rent of a hired bungalow for housing the department of geology, the Commission at its

meeting in February 1967 (vide Item No. 14(b) could not accept the same and desired that the proposal be further discussed with the University authorities and brought up at a later meeting. In pursuance of the Commission's resolution, two officers of the Commission (J.S. & D.S(A) visited the Delhi University and had a discussion with the Pro-Vice-Chancellor on the 27th February, 1967. The newly appointed head of the department of geology as well as the Registrar of the University were present during the discussions. Since it would neither be feasible nor academically sound to start the M.Sc. courses without a proper base, it was agreed at the meeting to start the Ist Year B.Sc.(Hons) course in geology from July 1967 with an intake of 20 students and the M.Sc. class could be started when the first batch of the undergraduate students complete the B.Sc.(Hons) course in geology in 1970.

Since the University was starting only Ist Year of the B.Sc.(Hons) course in 1967-68, it was also agreed that limited accommodation of about 1500 sq.ft. as carpet area would be needed during 1967-68. It was felt that the University would be able to provide this area in its existing academic buildings and that the building that will be sanctioned on the recommendations of the Visiting Committee, may be constructed as expeditiously as possible so that it could be ready for occupation by the department during the year 1968-69. As the posts of a professor and a reader had already been sanctioned for the Department of Geology, it was felt during the discussion that the provision of a lecturer would meet the requirements of the department for the year 1967-68. It was agreed at the meeting that if the amount of Rs. 10,000/- per annum recommended by the Visiting Committee for the supporting staff was found inadequate, additional ancillary staff may be provided according to the needs of the department and the expenditure on miscellaneous items like stationery, postage, electricity etc., should form part of the normal university budget.

6. As against the provision of Rs. 10,000/- per annum for the supporting staff, the Delhi University in May, 1967, asked for a recurring grant of Rs. 22,400/- towards the salary of the supporting staff, considered essential for the department of geology in its initial year as indicated below:-

Name & grade of post	No. of post	Estimated expenditure for 1967-68
1. Asstt. Librarian Rs. 400-30-640-40-800	1	Rs. 7,750.00
2. Steno-Typist Rs. 130-5-160-8-200/256/280-10-300	1	Rs. 3,000.00
3. Storekeeper Rs. 110-3-131-4-156/4-175-5-180	1	Rs. 2,650.00
4. Lab. Bearer Rs. 70-1-80/1-85	1	Rs. 1,800.00
5. Peon Rs. 70-1-80/1-85	2	Rs. 3,600.00
6. Sweeper Rs. 70-1-80/1-95	1	Rs. 1,800.00
7. Night-Watchman Rs. 70-1-80/1-85	1	Rs. 1,800.00
	Total:	<u>Rs. 22,400.00</u>

7. On 13th May, 1967, the University submitted a revised estimate at Rs. 25.56 lakhs as against a provision of Rs. 10.04 lakhs (Non-recurring Rs. 7.50 lakhs plus Recurring Rs. 2.54 lakhs as per recommendations of the Visiting Committee to be approved by the Commission) for establishing the Department of Geology with the introduction of Three-Year B.Sc.(Hons) course from July 1967 and Three-Year M.Sc. in Applied Geology (with admission of 10 students per year) from July, 1969, as per details given below:-

<u>Item</u>	<u>Amount for the duration of the Fourth Plan</u>
1. Capital expenditure (Non-recurring - building, equipment, books & journals, tentage and transport)	Rs. 15.19 lakhs
2. Pay and allowances of teaching staff (Recurring - 2P+4R+6L)	Rs. 5.91 lakhs
3. Pay and allowances of adminis- trative and laboratory staff.	Rs. 1.85 lakhs
4. Scholarships, Fellowships, educational tours and stationery etc.	Rs. 2.61 lakhs
	<u>Rs. 25.56 lakhs</u>

8. A summary of the above is given below:-

- (1) Request of the University for provision of a Recurring grant of Rs. 22,400/- for the year 1966-67 towards the salary of the supporting staff (para six above).
- (2) Proposal already accepted for starting three-year B.Sc.(Hons) course in Geology with 20 admissions from July, 1967 involving a Non-recurring expenditure of Rs. 7.50 lakhs plus Recurring for staff: 1P+1R+2L + supporting laboratory staff with provision for introducing M.Sc. when the 1st batch complete their B.Sc. in 1970, as per recommendations of the Visiting Committee and in pursuance of the discussion between the authorities of the University and the Officers of the Commission (Paras: 4-5 above)
- (3) Fresh proposal from the University to start three-year B.Sc.(Hons) from July 1967 and three-year M.Sc. in Applied Geology from July, 1969 with 10 admissions, involving a total expenditure of Rs. 25.56 lakhs for running both the B.Sc. and M.Sc. courses in Geology as per revised estimates submitted by the University (Para seven above).

The matter is placed before the Commission for consideration.

E.O(S)

UNIVERSITY GRANTS COMMISSION.

Meeting:  
Dated: 5th July, 1967.

Item No.14(b): To consider a proposal of the Delhi University for a grant of Rs.12,000/- for payment of stipends to Visiting Professors.

...

The University of Delhi has asked for the payment of a grant amounting to Rs.12,000/- for payment of stipends to two Visiting Professors for the year 1967-68.

2. The University of Delhi has decided, in consultation with the Heads of the Science Departments, to obtain the services of Dr.D.J.Solla Price and Professor Everett Mendelsohn of the Yale and Harvard University, U.S.A. respectively, during the year 1967-68 through the good offices of the United States Educational Foundation in India. It has been agreed that the Visiting Professors may be paid a monthly stipend of Rs.500/- each during their stay in the University, covering a period of one year.

3. The University of Delhi has on enquiry stated that recently the United States Educational Foundation has adopted a new policy which calls for some tangible contribution on the part of the Indian Institutions wishing to have the services of Fulbright Professors. The services of the Visiting Professors are required for the present on a short term basis and the question of extending their terms, if necessary, will be decided at a later stage.

4. The University has stated that they are not in a position to meet the expenditure on this account from their normal provision/savings.

The matter is placed before the Commission for consideration.

A.S.(CU)/D.S.(A)



UNIVERSITY GRANTS COMMISSION

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Meeting:-

5th July, 1967

Item No: 14(c) : To consider a proposal of the Delhi University for payment of an ad hoc grant to the Lady Irwin College for the Department of Food & Nutrition

The University of Delhi has forwarded a proposal of the Lady Irwin College for the payment of an ad hoc grant of Rs. 1,45,410/- for the Department of Food & Nutrition of the College. A copy of the letter received from the University in this connection is attached (Annexure).

In support of the proposal it has been stated as follows:-

- i) That there has been an increase in the student enrolment in the department of Food and Nutrition.
- ii) That there has been a rise in the expenditure due to increasing operational cost of the department as a result of the post-devaluation effects.
- iii) That the department has not undertaken any large-scale expenditure on the purchase of any equipment for the last two years and is, therefore, finding it difficult to carry on its work.

The split up of the proposed expenditure of Rs. 1,45,410/- is as follows:-

(a) Building	.....	Rs. 60,000/-
(b) Furniture	.....	Rs. 35,000/-
(c) Equipment	.....	Rs. 50,410/-

3. It may be stated that non-recurring development grants are payable to this College on 75:25 basis.

4. The matter is placed before the Commission for consideration.

A.S.(CU)/D.S.(A)

55

Copy of letter No. 10/13/67-CB/4793 dated 15th  
May 1967 from the Registrar, Delhi University to  
the Secretary, UCC.

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Subject:- Lady Irwin College - Application for an ad hoc grant  
for the Department of Food & Nutrition  
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I am forwarding herewith the case of Lady Irwin College for  
an ad hoc grant of Rs. 1,45,410.00 for the Department of Food and  
Nutrition of the College. A statement of estimates which has been  
approved by the Dean, Faculty of Science of this University, is enclosed  
for consideration of the Commission.

The College has given the following supporting reasons for this  
ad hoc grant:-

- (i) There has been an increase in the student enrolment in  
the Department of Food and Nutrition as will be seen  
from the enclosed statement.
- (ii) There has been a rise in expenditure due to increasing  
operational cost of the Department as a result of post  
devaluation effects.
- (iii) The Department has not undertaken any large scale  
expenditure on purchase of any equipment for the last  
two years and is finding it difficult to carry on its work.

Further, the College has also requested that the Commission may  
kindly sanction cent percent grant for the purchase of the equipment  
included under the "Capital Expenditure" of the Department of Food and  
Nutrition.

I shall be grateful if the request of the College is considered  
favourably by the Commission.

LADY IRWIN COLLEGE, NEW DELHI.

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Cost of Building, Furniture (Laboratory Furniture), and Equipment  
for the Extension of M.Sc., Home Science (Foods and Nutrition)  
Department (Extension Upstairs).

	<u>Amount</u>	<u>Total</u>
<b>I. BUILDING</b>		
1. Two laboratories 42" x 24"	50,000	
2. Two Animal Room 16' x 9' : 16' x 16'	<u>10,000</u>	60,000
<b>II. FURNITURE</b>		
1. Working tables 20 Nos. (4'8" x 2'2" x 2'6")	20,000	
2. Long tables 4 Nos. (21' x 1'8½" x 2'6")	8,000	
3. Fume Cupboards - 4 Nos.	6,000	
4. Other furniture viz., stools cupboards, chairs and tables; etc.	<u>1,000</u>	35,000
<b>III. EQUIPMENT</b>		
1. Calorimeter (Indian) (1)	2,980	
2. Centrifuge (Max. speed 3500 rpm, with 8 tubes of 15 ml) (Indian) (1)	850	
3. Chromatographic Cabinet (with two way glass sheets)		
Size 60" x 60" x 30" with 3 troughs (2)	1,750	
Size 24" x 12" x 24" with 3 troughs (1)	850	
4. High Precision Thermostatic Bath with Jumbo Contact Ther- mometer: Size of the chamber 17" x 9½" x 10½" (1)	1,400	
5. Electric Hot Air Oven; Size - 24" x 24" x 24" (1)	1,500	
6. Microscope (Oil Immersion with German Lens Components) (2)	2,800	
7. Electric Incubator Bacterio- logical 18" x 18" x 18" (2)	2,200	
8. Ph. Meter. (Philips made) (1)	2,300	
	<u>C.F. 16,370</u>	<u>95,000</u>

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	B/FF.	16,370	95,000
9. Electrophoresis Apparatus	(11)	1,780	
10. Vacoster Suction Unit	(11)	1,350	
11. Heitz Electro Mantles: 500 cc.	(1)	210	
1000 cc.	(1)	230	
Energy Regulator for the above heating mentle.		290	
12. Universal Flash Evaporator	(1)	1,800	
13. Kjeldahl Distillation Unit: No. of heaters(6)	(1)	590	
14. Thin Layer Chromatography Apparatus	(1)	1,380	
15. Refrigerator (Indian)	(2)	8,000	
16. Warburg Manometer	(3)	3,750	
17. Waring Blender (German)	(1)	980	
18. Calculating machine(Indian)	(1)	3,000	
19. Incinerators (Indian)	(2)	6,000	
20. Dissection Boxes (Indian)	(4)	180	
21. Fraction Collector (72 tubes of 25 ml each)	(1)	4,500	50,410

Total 1,45,410

I. Building	Rs. 60,000.00
II. Furniture	Rs. 35,000.00
III. Equipment	Rs. 50,410.00
Total	Rs. 1,45,410.00

25.4.1967.

Sd/-xx  
Director,  
LADY IRWIN COLLEGE,  
New Delhi.

POST GRADUATE DEPARTMENT IN FOODS & NUTRITION  
OF THE LADY IRWIN COLLEGE, NEW DELHI

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.....

Year of Establishment -- August, 1958.  
 Present Student Enrolment -- 26 M.Sc., 2 Ph.D.  
 Staff Strength -- Senior Lecturers -1, Lecturers - 2,  
 Part-time Lecturers - 3.  
 Physical Facilities(Existing) -- Laboratories 2, Animal Rooms 2,  
 Staff Offices 2.  
 Academic Progress -- Since 1958, ( the year of establishment)  
 of students.

Year	No. of students appeared.	No. passed	Division		Details of academic pursuits of Alumni after graduation			
			I	II	Working Lecturers	Diet.	Research Doing Ph.D.	
1959-60	6	6	1	5	4	-	1	1- USA after 3 yrs. teaching
1960-61	6	6	5	1	2	1	-	1- U.K 1- Delhi
1961-62	6	6	4	2	3	-	-	2- U.S.A.
1962-63	8	8	2	6	5	1	-	1 - Delhi
1963-64	6	6	4	2	2	1	-	1- U.K.
1964-65	10	10	6	4	6	1	2	-
1965-66	8	8	3	5	3	-	4	-

RESEARCH:

			<u>Begins</u>	<u>Continue</u>	<u>Work for Ph.D</u>
1.	I.C.A.R.	'New Indian Hybrid Maize Varieties'	May '61	"	1
2.	I.C.A.R.	'Indica Japonica Rice Varieties'	Sept '63	"	1
3.	I.C.M.R.	' Studies on the effect off Sulphydryl on Cornea'.	Nov. '66	"	-
4.	I.C.M.R.	' Study of Urban Community Nutrition'	Dec. '66	"	-

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UNIVERSITY GRANTS COMMISSION

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Meeting:  
Dated 5th July, 1967.

Item No.14(d): To consider a proposal of the Delhi University for creation of two additional posts of Lecturers in Commerce in the Institute of Post-graduate (Evening) Studies.

.....

The University of Delhi has sent a proposal for creation of two additional posts of Lecturers in Commerce in the Institute of Post-Graduate(Evening) Studies with effect from the academic year 1967-68.

2. At its meeting held on the 3rd November, 1965 (Item No.22) the Commission accepted the proposal of the Delhi University for starting M.Com. Course in the Institute of Post- Graduate(Evening) Studies with effect from the academic year 1966-67 and suggested that the University may be advised to increase the annual admission to 50 students against the proposal of the university to admit 30 students only. On the basis of an admission of 50 students in M.Com.(Previous) and 40 students in the final year, the university sent revised financial requirements which were approved by the Commission at its meeting held on the 2nd March, 1966 (Item No.17(a) ). Inter-alia the Commission agreed to the creation of one post of Reader and one post of Lecturer in each of the years 1966-67 and 1967-68.

3. The University has filled up one post of Reader and one post of Lecturer in the Department of Commerce with effect from the year 1966-67. The other two posts, one of the Reader and one of Lecturer are yet to be filled up. During the year 1966-67, the Institute admitted 56 students to the M.Com.Course and they expect to admit a similar number in the year 1967-68. It has been stated that the work of the Department is being carried on with the help of six outside Lecturers and that the total number of students in the tutorial groups is large. As the proposal of the University for creation of two additional posts of Lecturers was based on the presumption that the Commission's approval was on the basis of an admission of 30 students during 1966-67, whereas actually it was for an admission of 50 students, the University was requested to reconsider the proposal and in case the proposal has to be considered to indicate the workload of the different teachers and also send a copy of the time-table for M.Com. classes. A copy of the letter received from the Principal of the Institute along with the enclosures, giving justification for the creation of two additional posts of Lecturers with effect from the academic year 1967-68 is attached (Annexure I).

The matter is placed before the Commission for consideration.

A. S. (CU)/D. S(A)

UNIVERSITY OF DELHI

Copy of letter No.PG:C-914 dated the 12th May, 1967 from the Principal, Institute of Post-Graduate(E) Studies, University of Delhi, Delhi-7, addressed to the Registrar, University of Delhi, Delhi.

...

Please refer to your endorsement No.18/2/67/Estab.(T)/3210 dated 29th April, 1967 on letter No.F.25-3/67(CU) dated 17.4.1967, from the Assistant Secretary, University Grants Commission, New Delhi regarding the creation of two additional posts of Lecturers in Commerce in the Institute of Post-Graduate (E) Studies. I am giving below the distribution of work in the Deptt. of Commerce in the Institute.

The Number of minimum papers which are to be taught, being 9 require 36 lectures on the basis of 4 lectures per paper. As the number of students is 50 in the Previous and 44 in the Final, the figures for 1967-68 being taken into account, the number of tutorial periods will be 48 according to the University rules, thus making the total number of work periods as 84. Sanctioned staff in Commerce is 2 Readers and 2 Lecturers who will be taking 20 and 24 periods respectively including tutorials. The number of periods which remain to be provided is, therefore, 40. In order to meet this, it is necessary that two additional Lecturers are provided for the Department of Commerce. These will take 24 periods including tutorials. The balance of 16 periods will be taken by specialists in the fields who will be invited to deliver lectures on specialised topics. This in fact was the basis on which the evening courses were started in the Institute. Originally the number of students was restricted to 25 and so it was thought that 2 Readers and 2 Lecturers with additional guest lecturers will be sufficient. In view of the additional numbers it is necessary to have atleast two additional lecturers giving a total strength of two Readers and four Lecturers. It may be noted that it will be necessary to start one or two optional groups which will increase the total quantum of work.

I am enclosing herewith the copies of the time-tables alongwith the work load of teachers in the Department.

.....

INSTITUTE OF POST GRADUATE (E) STUDIES WORK LOAD IN THE DEPARTMENT OF COMMERCE) (Previous class only) .

- |                     |   |                         |
|---------------------|---|-------------------------|
| 1. Shri S.C. Gupta  | - | One period in a week    |
| 2. Shri J.D. Khatri | - | Three periods in a week |
| 3. Shri T.S. Grewal | - | Two periods in a week   |
| 4. Dr. R.S. Nigam   | - | Eight periods in a week |
| 5. Shri O.P. Gupta  | - | Ten periods in a week   |
| 6. Shri S.K. Gupta  | - | One period in a week    |
| 7. Shri R.C. Malhan | - | Two periods in a week   |
| 8. Shri R.G. Saxena | - | One period in a week    |

(62)

UNIVERSITY GRANTS COMMISSION

Meeting:

5th July, 1967

Item No: 14(e) : To consider the proposal for continuance of the Planning Unit in the Delhi University.

The University Grants Commission at its meeting held on 1st February, 1967 considered the question of continuation of the Planning Unit in Delhi University set up with assistance from Ford Foundation. The Commission noted that the Planning unit in Delhi University was set up with assistance from Ford Foundation for a specific period for a specific purpose which it had completed. The Commission regretted its inability to accept the proposal of the University for the continuation of the Unit beyond 31st March, 1967. The decision of the Commission was communicated to the University of Delhi.

The Vice-Chancellor, Delhi University had written to the Chairman, U.G.C. stressing the need for a Planning Unit with small staff in the University for the formulation and evaluation of development programmes in the University. An extract from the Vice-Chancellor's letter to the Chairman, U.G.C. is enclosed. It was agreed that the Planning Unit may continue till 31st May, 1967 and the revised proposal of the University for a smaller unit considered by the Commission.

The University has proposed the following staff for the Planning Unit. The staff asked for in the original proposal is also indicated below:-

<u>Post</u>	<u>Original proposal</u>	<u>Revised proposal</u>
1. Planning Officer (part-time) or	2	1
2. Development Officer (Rs. 780-1250)	1	1
3. Superintendent (Rs. 250-475)	1	
4. Statistical Assistant (Rs. 250-475)	1	1
5. Senior Assistant (Rs. 210-425)	2	1
6. Assistant (Rs. 130-280)	2	
7. Steno-Typist (Rs. 130-280)		1
8. Clerk-Typist (Rs. 110-180)	2	1
9. Senior Stenographer (Rs. 210-425)	1	

p.t.o.



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10. Peon (Es. 70-85)	1	1
11. Equipment grant	Es. 25,000	Es. 5,000
12. Contingent expenditure	Es. 5,000	Es. 5,000

(\*A teacher so appointed will be paid 25% of his basic salary as allowance by working as Planning Officer)

The matter is placed before the Commission for consideration.

A.E.O(CDN I)

64

EXTRACTS FROM LETTER No. 8557/VC DATED 21ST MARCH, 1967, FROM DR. B.N. GANGULI, VICE-CHANCELLOR, DELHI UNIVERSITY, ADDRESSED TO DR. D.S. KOTHARI, CHAIRMAN, UNIVERSITY GRANTS COMMISSION.

...

There are a few important considerations which, I thought, I should place before you and, through you, before the Commission with reference to our proposal. Perhaps we did not fully explain the purpose and functions of the Planning Unit.

A Planning Group consisting of some teachers of the University and some Principals of colleges was constituted at a time when we were about to formulate our Fourth Five Year Plan and when by a lucky coincidence the prospects of the Ford Foundation assistance in aid for our development plans were also in sight. A Planning Unit was also created as a small office designed to provide the secretarial and research organisation for the Planning Group.

The Planning Group as it went along, broadened its range of discussion to study the long-range development plans of the University in the light of academic trends and aspirations. Indeed, we had long discussions about the objectives of a University of our type, the courses and syllabi in particular fields, the range of functions of the University activities by way of extra-curricular work, re-organisation of under-graduate courses, re-organisation of law studies as well as many kinds of operational problems in the context of the rapid expansion of the University.

You will agree that the study of these problems has to be a continuing study resulting eventually in policy proposals which may be subsequently considered by the statutory academic bodies of the University. Indeed, many problems which have cropped up in the Academic Council in the context of concrete situations have sometimes been remitted to the Planning Group for detailed study. You will, therefore, agree that the Planning Group has not been concerned merely with the formulation of the Fourth Five Year Plan and that there is need for it even after our plan proposals either pending before the U.G.C. or already accepted by the Ford Foundation have been finalised. I may point out that the Ford Foundation allocations are in broad terms and a good deal of flexibility will be needed to plan the allocations in detail which the Planning Unit has to keep under continuous review.

I would like to point out in this connection that about four or five years back Dr. Deshmukh and I discovered that there was no branch in the University which was looking at the formulation and, what is more important, the implementation of plan projects, with the result that the plan performance of the University was deficient in many respects. After the Planning Group came into

p.t.o.

existence and we had a Planning Unit which really doesn't cost much, we are in a better position to keep track of the plan proposals at our end and U.G.C.'s decisions and directions at the U.G.C. end. I am convinced that if the Planning Unit is permitted to continue its useful work, the implementation of our plans will proceed with efficiency and with a degree of flexibility that was not possible earlier.

I am personally very happy to note that you have now been thinking in terms of a good Department of Education in the University which, among other things, will direct its attention to continuing research on the content of courses, methods of teaching and evolution of procedures and policies bearing on educational progress. When such a Department is established there will be greater stimulus to the work of the Planning Unit in so far as it will be concerned with the translation of new ideas into workable procedures and policies to be considered by the academic bodies of the University. I need hardly say that, in this context, it will be a retrograde step to disband the University's Planning Unit.

There is also another compelling consideration to my mind. According to the terms of understanding with the Ford Foundation the Planning Unit will perform a very important role in keeping track of the flow of equipment and books in order to ensure that the flow continues according to the plan and also that there are no bottle-necks anywhere, so that books and equipment can be absorbed and put to use with the least possible delay. You will agree that in view of the large scale of operations involved it would be absolutely necessary for us to have the Planning Unit functioning as an essential intermediary branch which will be directly concerned with the Vice-Chancellor, on the one hand, and the various departments of the University as well as the Ford Foundation agencies, on the other hand.

In view of these considerations I strongly urge on you to kindly reconsider your decision that the Planning Unit may not continue beyond 31st March 1967. If it is felt that our Fourth Five Year Plan proposals regarding this unit are too ambitious that is a proposition which may be considered on its merits. The least that we would need in the circumstances that I have explained above, is that a very small staff which has been functioning now should continue as a permanent adjunct to our administrative structure. I am convinced that it would not be superfluous.

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UNIVERSITY GRANTS COMMISSION.

66

Meeting:

Dated: 5th July, 1967.

Item No.15: To consider a proposal from the University of Burdwan for the appointment of deans of students.

...

The University of Burdwan has come up with a proposal for financial assistance for the appointment of two deans of students - one for men students and the other for women students. The University has proposed that the dean for men students may be in professor's grade and should have first class academic qualifications with not less than 5 years' experience in a first grade degree college and also experience of not less than 5 years' in a first class administrative job in a university like Registrar or Inspector of college or such comparable qualifications. That for women students may have high academic qualifications comparable to those of a Reader and also have experience of student welfare work.

The matter is placed before the Commission for consideration. The conference of the Vice-Chancellors held in October, 1966 to discuss problems of student welfare and unrest had inter-alia recommended the appointment of deans of student welfare in the universities where they do not exist and also strengthening of deans organisation in other educational centres. In the light of this recommendation, the Commission had drawn programmes related to students' services and welfare estimated to cost Rs.67 crores (which included appointment of dean of student welfare) for which additional funds have been asked for from the Government of India.

A.E.O. (CDN I)  
D.S. (A)

(67)

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.16: To consider the following proposals received from Jadavpur University:-

(a) Sanction of additional equipment grant on account of Devaluation. p.68

(b) Establishment of a Computer Centre. p.69-77

...

(67)

UNIVERSITY GRANTS (COMMISSION).

Meeting:

Dated: 5th July, 1967.

Item No.16: To consider the following proposals received from Jadavpur University:-

(a) Sanction of additional equipment grant on account of Devalluation. p.68

(b) Establishment of a Computer Centre. p.69-77

...

UNIVERSITY GRANTS COMMISSION.

Meeting:  
Dated: 5th July, 1967.

Item No.16(a): To consider a proposal from Jadavpur University for sanction of additional equipment grant on account of Devaluation.

....

The Jadavpur University has informed that due to devaluation of Indian Rupee the cost of imported equipment has increased by about 58% and that at the time of declaration of devaluation, orders worth Rs.4,03,514/- for the import of equipment required for different courses in Engineering and Technology were lying pending with foreign firms. The Jadavpur University has submitted a proposal for an additional grant of Rs.2,40,000/- as per details given below:-

- (a) Additional grant required for Post-graduate courses in Engineering. Rs.1,97,000/-
- (b) Degree course in Pharmacy. Rs. 43,000/-
- Rs.2,40,000/-

The proposal of the University was referred to the All India Council for Technical Education for its views in the matter.

The Ministry of Education has now informed that the increase in the cost of equipment to be imported from abroad due to devaluation of the rupee is a reasonable item of expenditure admissible for the purpose of grants. The Ministry of Education has therefore recommended that the request of the Jadavpur University for the additional grant may be considered favourably.

If the above recommendations are accepted a grant of Rs.2,18,500/- will be payable to the Jadavpur University for the purchase of equipment as per details given below:

- (i) Rs.1,97,000/- on 100% basis for the Post-graduate courses in Engg.
- and (ii) Rs.21,500/- @ 50% for degree course in Pharmacy.
- Rs.2,18,500/-

The matter is placed before the Commission for consideration.

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.16(b): To consider further the request of Jadavpur University for establishment of a Computer Centre.

...

The Commission at its meeting held on 5th April, 1967 (Item No.15 Annexure-I) considered the recommendations of the Committee appointed to examine the proposal of the Jadavpur University for establishment of a Computer Centre, and resolved as under:-

"The Commission desired that the views of the University/State Government be obtained on the proposal of the Jadavpur University with regard to the contribution they would make towards capital and recurring expenditure and taking over the committed expenditure after the Commission's assistance ceases".

In pursuance of the above decision the views of the Jadavpur University/State Govt. were invited. The Jadavpur University has informed that the matter was informally discussed with the State Govt. The State Govt. has given an understanding that they would be willing to assist the university to make some contribution towards the capital and recurring expenditure and to take over the committed expenditure after 5 years when the Commission's assistance ceases. The State Govt. is willing to share 20% only of the approved capital and non-capital expenditure.

If the above formula of sharing basis is accepted, the UGC's share of expenditure will be as under:

<u>Purpose</u>	<u>Recommended expenditure</u>	<u>UGC's share @ 80%</u>
Non-recurring	Rs. 16,48,900	Rs.13,19,120
Recurring(P.A.)	Rs. 5,27,000	Rs. 4,21,600

The matter is placed before the Commission for consideration.

E.O.(T)



Annexure I (70)  
June 16 (6)

UNIVERSITY GRANTS COMMISSION

To consider the recommendations of the Committee  
to examine the proposal of Jadavpur University  
for establishing a Computer Centre  
-----

In June, 1966 the Jadavpur University sent a proposal for establishing a Computer Centre at the University, around the nucleus of the Digital Computer designed and built by the Jadavpur University in collaboration with the Indian Statistical Institute, Calcutta. The University intimated that the proposed Centre would provide a focus for research activities, postgraduate teaching and specific development programmes in computer and allied technology, and in such applications which cut across the established departmental lines. The Centre would also provide training courses in Computer Engineering, Computer Science, Programming etc., in addition to research, development and construction work of Computers.

The Vice-Chancellor, Jadavpur University, intimated in July, 1966 that in order to properly man the existing computer some essential minimum staff as follows was immediately required:-

- (1) One Senior Programmeer;
- (2) Two Programmers; and
- (3) Two Computer Engineers.

The University intimated that the scheme may be treated for inclusion in the "First Priority" schemes under the Fourth Plan. The proposal was placed before the Commission at its meeting held in September 1966 and the Commission agreed that the proposal may be referred to a Committee for expert evaluation. A Committee was, therefore, appointed of the following persons:-

- (1) Prof. H.K. Kesavan,  
Head of the Computer Centre,  
Indian Institute of Technology,  
Kanpur.
- (2) Prof. R. Narasimhan  
OR  
Dr. P.V.S. Rao,  
Tata Institute of Fundamental Research,  
Bombay.

Prof. H.K. Kesavan, Dr. P.V.S. Rao and Shri S.P. Gupta, Education Officer, University Grants Commission, visited the Jadavpur University on 3rd March, 1967 and had discussions with the University authorities. A report of the Committee is enclosed at Annexure I.

The Committee is of the opinion that the establishment of a Computer Centre at the Jadavpur University is desirable and essential in view of the significant and sustained activity carried out so far by the University in this field.

The Committee has suggested that in the Computer Centre considerable emphasis should be given for research and development activity, and the programme should be concerned with theoretical work in fields such as Switching and Automata theory, as well as development projects in Computer systems. A one-year postgraduate diploma course with maximum intake of 20 students should be organised for engineering graduates and M.Sc.'s in Physics or Mathematics. A regular course in programming of six week duration should also be organised.

The Committee has recommended the following physical facilities to be provided for the establishment of the Computer Centre:

I. Non-recurring

(a) Building (19,740 sq.ft. plinth) (including Air-conditioning, Flooring, Ducting and Ceiling, etc.	Rs. 7,75,900/-
(b) <u>Equipment</u>	
i) Capital equipment	4,20,000/-
ii) Additional equipment for existing computer.	<u>3,63,000/-</u>
(c) Furniture	Rs. 40,000/-
(d) Library books & journals	Rs. 40,000/-
(e) For holding a meeting for considering Computer Production Programme.	Rs. 10,000/-
Total:	<u>Rs. 16,48,900/-</u>

II. Recurring (per annum)

Staff salaries, scholarships, contingencies, etc.	Rs. 5,27,000/-
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The matter is placed before the Commission for consideration. If the recommendations of the Visiting Committee are accepted, sanction may be accorded to the payment of non-recurring grant of Rs. 16,49,900/- and recurring grant of Rs. 5,27,000/- p.a. (ceiling) to the Jadavpur University for the establishment of Computer Centre. The grants, if approved, will be paid as and when necessary.

E.O.(T)/J.S.

Annexure

Report of the Committee formed by the University Grants Commission to examine the proposal for the establishment of a Computer Centre at Jadavpur University.

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1. Introduction

The Jadavpur University sent a proposal in June 1966 for establishing a Computer Centre at the University. The scheme was prepared keeping in view the Digital Computer designed and built by the Jadavpur University in collaboration with the Indian Statistical Institute, Calcutta. The University intimated that the proposed Computer Centre would provide a focus for research activities, postgraduate teaching and specific development programmes in computer and allied technology, and in such applications which cut across the established departmental lines. Further, the Computer Centre would provide training courses in Computer Engineering, Computer Science, Programming etc., in addition to research, development and construction work of computers.

The Vice-Chancellor, Jadavpur University, intimated in July 1966, that in order to properly man the computer some essential minimum staff was necessary immediately and sanction for the posts of one Senior Programmer, two Programmers and two Computer Engineers was asked for. The University intimated that the project may be earmarked for inclusion in the "First Priority" schemes under the Fourth Plan. The matter was placed before the Commission at its meeting held in September 1966. It was agreed that the proposal be referred to a committee for expert evaluation. A committee was therefore appointed with the following persons:-

1. Prof. H.K. Kesavan,  
Indian Institute of Technology, Kanpur.
2. Prof. R. Narasimham or Dr. P.V.S. Rao,  
Tata Institute of Fundamental Research,  
Bombay.

Prof. H.K. Kesavan, Dr. P.V.S. Rao and Sri S.P. Gupta, Education Officer, University Grants Commission visited the Jadavpur University on 3.3.67 and discussed the matter with the Vice-Chancellor, Jadavpur University, Prof. Dr. J.S. Chatterjee, Dean of the Faculty of Engineering & Technology and Head of the Department of Electronics and Telecommunication Engineering, Jadavpur University, Prof. S. Mitra, Professor of Electronics Division, Indian Statistical Institute and Prof. B.P. Adhikari, Professor, Research Training School, Indian Statistical Institute. The Committee also went round the Electronics and Telecommunication Engineering Department and saw the Computer ISIJU-1 and other facilities available in the department.

2. Objectives

The proposal of the University sets forth to meet the following objectives :

- 1) establishment of a modern computer facility to serve not only the needs of Jadavpur University but also some of the demand from metropolitan Calcutta;

- 2) initiation of a computer science programme within the Department of Electronics & Telecommunication Engineering;
- 3) initiating a scheme for producing Digital computers which are similar to ISIJU-1.

### 3. Administrative Structure

The committee discussed at some length the administrative structure that would be necessary to set up an adequate computing facility for the University. It was felt that an apt analogy for a computer centre would be the central library of a University and as such its day to day operation should have all the ingredients that would go into any large central facility. The Electronics & Telecommunication Engg. Department of Jadavpur University fully realises this implication. In fact the formation of a Working Committee consisting of the members of the existing ISIJU-1 Project Committee, Head of the Computer Centre and some external experts is envisaged. The Committee would have the responsibility for formulating policies to cater to the existing computational demands and also steer the course of events in order to bring about the impact of computers on the growth of science and technology.

After a careful consideration of the three objectives the Committee arrived at the unanimous conclusion that the third objective viz., assembling of further computers should be treated separately because of its larger implications to the country.

### 4. Academic Programme

Returning to the second objective viz., initiation of a computer science programme, the committee felt that such a programme would be essential for the following reasons:

- (a) quality of service of the computer centre within a University can be kept at a high level only if it is supported by an adequate educational programme;
- (b) the trend of development in science and technology clearly necessitates a computer science programme at least in a few selected educational institutions within the country; Jadavpur University has demonstrated that it could provide the leadership for building such a centre.

The proposed computer science diploma courses were discussed in detail and it was felt that a certain amount of reorganisation of the present proposal would be useful.

In a computer centre of this type considerable emphasis should be given for research and development activity and the programme should be concerned with theoretical work in fields such as switching and automata theory, as well as developmental projects in computer systems. It would be advantageous to organise a one-year post-graduate diploma course starting with a common preliminary course of 6 months' duration covering the basic background in the subject including topics such as Logic and System design of Computers. Specialisation at that stage could involve a choice between engineering orientation connected with circuit design on the one hand, or software orientation on the other. This course could be open to all engineering graduates and M.Sc.'s in Physics and Mathematics. The Maximum intake would be 20.

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Instead of organising two types of programming course and application for users, one lasting for three months and another for three weeks, it was felt that a single course lasting six weeks will be more meaningful. Selection of participants can be out of properly qualified persons nominated and sponsored by their employers. The course also can be for a maximum of 20 participants at any time, its frequency being determined depending on demand.

## 5. Personnel

Personnel requirement for a computer science programme is eventually that of any other academic department within the University. It was therefore clearly recognised that the position of the faculty should be favourably weighted towards more senior appointments and a larger number of research scholars. Personnel requirements are indicated in the Appendix which also includes details regarding recurring and non-recurring expenditures, equipments required, etc. It is however recognised that the development has to proceed in phases.

The committee discussed the advisability or otherwise of the question of producing more computers of the ISLJU-1 type. It was finally decided that the matter should be discussed in fuller detail with a larger group of people within the country before it takes a definite decision on the details of this project. This course of action was considered to be necessary because the entire question is tied up with the larger question of growth of computer technology in India. This latter question figures prominently in the "Bhabha Committee Report" (Electronics Committee, Govt. of India) and its implementation would definitely call for a coordinated effort on the part of several agencies of the country.

The Committee suggests that Prof. Dr. J.S. Chatterjee of Jadavpur University may initiate steps to assemble such a broad-based group from within the country to discuss the matter. This group could discuss details with regard to the size, scope and range of machines that could be built, both for instructional and utilitarian purposes, as well as recommend the modus operandi and distribution in the country of machines so fabricated. It may be mentioned that a computer centre offering training and service facilities should have at least two computers, one of a medium and a second one preferably of a larger size.

## Concluding Remarks

In conclusion, the committee feels that the establishment of an advanced computer centre at the Jadavpur University is desirable and essential, in view of the significant and sustained activity carried out so far by the University in this field.

The committee has indicated some changes in the composition of the technical and non-technical staff, the proposed academic programme of the centre and other requirements such as floor area. Revised estimates have been drawn up in view of the devaluation and suggested modifications to the original proposal. The committee feels that adequate provisions should be made for catering to the foreign exchange requirements indicated therein.

The committee recommends that the proposal for the fabrication of subsequent machines can be gone into in greater detail by a working group of experts drawn from all over India, and representations of manufacturers of electronic components to be specially convened by Prof. Dr. J.S. Chatterjee at the Jadavpur University.

Sd/-  
(S.P. Gupta)  
4.3.67

Sd/-  
(H.K. Kesavan)  
9.3.67

Sd/-  
(P.S. Rao)  
4.3.67

A P P E N D I X

PHYSICAL REQUIREMENTS:  
NON-RECURRING AND RECURRING EXPENDITURE

Non-Recurring

A.	1. Building (19,7400 sq.ft.)	Rs. 6,90,900/-
	2. Airconditioning (15-Ton)	Rs. 60,000/-
	3. Flooring, Ducting, Ceiling etc.	Rs. 25,000/-
B.	Capital Equipment	Rs. 4,20,000/- *
C.	1. Furniture	Rs. 40,000/-
	2. Library (Books & Journals)	Rs. 40,000/-
	3. Additional Equipment for ISIJU-1	Rs. 3,63,000/- *
D.	Expenditure for holding meeting for an All-India Computer Production Programme	Rs. 10,000/-
		Rs. 16,48,900/-

\*Imported amount (Rs. 3,50,000/- +  
Rs. 3,63,000/-)

Recurring

E.	1. Salary of Staff with allowances	Rs. 3,31,900/-
	2. Scholarships	Rs. 1,10,400/-
F.	Cost of components and contingency (Teaching & Research)	Rs. 60,000/- +
	Books & Journals	Rs. 15,000/-
G.	Travelling Expenses; for visiting Professors and for Centre Staff to attend conferences etc.	Rs. 10,000/-
		Rs. 5,27,300/-

+(Rs. 20,000/- to be imported annually)

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A. Building

Floor area

Machine Room for ISIJU-1	1200 sq.ft.	
Machine Room for Second Computer:	2500 "	
Tape Editing Room	300 "	
Development Laboratory	2500 "	
Sitting for staff & Research Scholars	5000 "	
Class Room (4)	2000 "	
Conference Room	500 "	
Library	400 "	
Office	300 "	
Airconditioning Plant	400 "	
	<u>14,100 "</u>	
Add - 40% for Corridors etc.	<u>5,640 "</u>	
<b>Total:</b>	<b>19,740 sq.ft.</b>	
	@ Rs. 35/- per sq.ft.	<b>Rs. 6,90,900/-</b>

Airconditioning plant (15 Ton) Rs. 60,000/-

Flooring, Ducting, Ceiling etc. Rs. 25,000/-

**Total:** Rs. 7,75,900/-

B. Capital Equipments

	<u>Local Cost</u>	<u>Imported Cost</u>
High Speed Oscilloscopes (4)		Rs. 1,10,000/-
Medium Speed Oscilloscopes (6)	Rs. 35,000/-	
VIVM (6)	Rs. 15,000/-	
Digital Voltmeter (2)		Rs. 35,000/-
Pulse Generators (3)		Rs. 70,000/-
X-Y Recorder (1)		Rs. 35,000/-
Multimeters (10)	Rs. 20,000/-	
Analog Computer System(1)		Rs. 1,00,000/-
	<u>Rs. 70,000/-</u>	<u>Rs. 3,50,000/-</u>

**Total** ..... **Rs. 4,20,000/-**  
(of these imported equipments Rs. 3,50,000/-)

C. Additional Equipment for ISIJU-1 (to be imported)

Line Printer	Rs. 2,00,000/-
Magnetic Tape Units	Rs. 1,00,000/-
Flexowriter	Rs. 25,000/-
Magnetic Drum	Rs. 8,000/-
Supporting Electronic Components	Rs. 30,000/-
	<u>Rs. 3,63,000/-</u>

**E. Staff & Scholars**

Designation	No. of posts	Scale of Pay Rs.	Av. Monthly Pay Rs.	Total/Monthly Pay Rs.
Professor	3	1000-1500	1250x3	3750/-
Senior Computer Engineer	2	1000-1500	1250x2	2500/-
Senior Systems Programmer	2	1000-1500	1250x2	2500/-
Reader	4	600-1150	865x4	3460/-
Computer Engineer	2	600-1150	865x4	1730/-
Programmer	6	600-1150	865x2	5190/-
Technical Asst (with 1 Librarian)	5	275-475	350x5	1750/-
Draughtsman	2	175-225	250x2	500/-
Stores Asstt.	1	125-200	162.50x1	162.50 p..
Operator	2	125-200	162.50x2	325/-
Steno-typist	1	225-325	275x1	275/-
Office Assistant	1	225-325	275x1	275/-
Mechanic (Senior)	1	225-325	275x1	275/-
Mechanic (Junior)	1	125-200	162.50x1	162.50 P..
Lab. Asstt./Halper	3	65-85	75x3	225/-
Sweeper	1	60-75	67.50x1	67/50 P

23,147.50 p..

Say Rs. 23,150.00

Total expenses per year Rs. 23,150/- x 13 = Rs. 3,00,950/-

Add--10% Allowances

Rs. 30,950/-

Rs. 3,31,900/-

**Scholarships**

Senior Research Scholarships: 6	Rs. 400x6	Rs. 2,400/-
Junior Research Scholarships: 6	Rs. 300x6	Rs. 1,800/-
Computer Science Diploma Students : 20	Rs. 250x20	<u>Rs. 5,000/-</u>
		Rs. 9,200/-

Total per year Rs. 9,200/- x 12 = Rs. 1,10,400/-

TOTAL FOR STAFF & SCHOLARS -- (Rs. 3,31,900/- + Rs. 1,10,400/-  
= Rs. 4,42,300/-)

**H. Training Courses**

- (i) 1 year Computer Science Course leading to postgraduate Diploma  
- Intake .... 20

Admission Level - B.E., M.Sc. in Physics or Mathematics

- (ii) Six week Programming Course

Admission Level - Deputed Staff from Institutions

- Intake .... 20



UNIVERSITY GRANTS COMMISSION

(78)

Meeting:

Dated 5th July, 1967.

Item No.17: To consider the proposal of the Meerut University for assistance towards the development of a university library.

.....

The Meerut University has sent a proposal for the development of library facilities including (a) Construction of Library building, (b) Furniture and fittings, (c) Books and Journals and (d) recurring expenditure on books, journals and staff. The university has stated that they ~~have~~ acquired 108 acres of land and is in a position to start construction of the library building if funds are made available for the purpose. The details of the scheme submitted by the University are as under:-

	<u>Estimated Cost</u>
(i) Library building	Rs. 7 lakhs
(ii) Furniture and fittings for the library.	Rs. 1 lakh
(iii) Books and Journals	Rs. 5 lakhs

(Emphasis will be on reference books and journals; proportion of expenditure on books and journals will be 1:4).

(iv) (Recurring expenditure on books, journals and staff).	Rs. 3 lakhs
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(The staff proposed to be appointed includes 1 Deputy Library, 2 Library Assistants, 4 Cataloguers, 1 Stenographer, 3 Typists, 1 Book Binder, 1 Assistant Book Binder, 2 Peons, 2 Book Lifters, 1 Chowkidar and 1 Sweeper. The estimated cost will be Rs.32,000 per annum).

The Commission's assistance towards expenditure on library facilities is as under:

Building	66 2/3 : 33 1/3
Books	100%
Staff	50 : 50

The Meerut University was established in January 1966. The University is keen to create a reference and research library for 53 affiliated colleges of the University. The Fourth Plan requirements of the University have not yet been assessed by the University Grants Commission.

The matter is placed before the Commission for consideration.

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.18: To consider a proposal from the University of Mysore for approval of certain Projects pending consideration of the Report of the Visiting Committee for the IV Plan.

...

The University of Mysore has approached the Commission for the approval of the under-mentioned schemes which were placed before the Fourth Plan Visiting Committee pending the consideration of the report of the Visiting Committee by the University Grants Commission.

<u>Scheme</u>	<u>Cost</u>
1. Ladies Hostel for postgraduate students.	Rs. 4.25 lakhs
2. Mineralogical Institute	Rs. 2.57 "
3. Additional Professorships	
Physics	
Botany	
Zoology	
Geology	ONE EACH
Kannada	
English	
Economics	
Chemistry	TWO
4. Equipment for central workshop	Rs. 0.50 "
5. History of Kannada Literature	Rs. 1.27 "
6. Preparation of critical edition of Haridasa Sahitya	Rs. 3.15 "

The report of the Visiting Committee has been placed before the Commission separately under item No.12. The recommendations of the Visiting Committee with regard to the above projects are given below:

1. Ladies Hostel for Postgraduate students:

The Committee has recommended assistance for the construction of a hostel to accommodate 60 postgraduate students at a cost of Rs.3 lakhs.

2. Mineralogical Institute:

The Committee has not recommended assistance for this project. Relevant extract from the report of the Committee is reproduced below:

"The Committee also considered the proposal of the University for establishment of Mineralogical Institute.

Apart from the non-availability of funds for such purposes, it needs to be stressed that a separate Institute with its own Director etc. is not in conformity with the set up of a University and any mineralogical work to be done could be well integrated into the work of the department whose staff is already specialised in this field and has also been editing the journal 'Indian Mineralogist'.

Setting up of such Institutes to cater to any particular individual needs may lead to a situation which may ultimately prove unhealthy to growth of the departmental activities in the University. The Committee noted that Prof. P.R.J. Naidu who first retired from Mysore University and subsequently from Universities of Madras and Panjab, has since joined this Department of Geology under U.G.C. Retired Teachers Scheme and the proposed Mineralogical Institute is to be set up around him. Prof. Naidu who was present at the discussion informed the Committee that if the U.G.C. could not support such an institute, the University would still set up such an Institute for him as financial support from State Government and other sources was available in plenty. The Committee, therefore, suggests that the University may do so, in case it is fully convinced of the need of such a separate Institute but the U.G.C. should not give any help in this direction and the facilities created with U.G.C. assistance may not be diverted to support this Institute".

### 3. Additional Professorships:

The Committee has not recommended any professorship for subjects in Humanities and Social Sciences. The Committee has however, recommended one professorship each in Physics and Chemistry (Bio-Chemistry).

### 4. Equipment for Central Workshop:

The Committee has not recommended any grant for this.

### 5. Research Projects in Kannada:

The Committee has recommended a grant of Rs.60,000 for the research projects (critical edition of Haridasa Sahiti). The Committee feels that in view of its immediate importance and fact that few authentic texts are available which will soon disappear, the project may be taken up as early as possible.

The matter is placed before the Commission for consideration.

A.E.O. (CDN I)

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.19: To consider the proposal from the Patna University for assistance towards projects to be undertaken in connection with the Golden Jubilee Celebrations of the University.

...

The Patna University has approached the Commission for financial assistance towards the following projects proposed to be undertaken in connection with the Golden Jubilee Celebrations of the University:

1. Construction of a Jubilee Hall-cum-Auditorium for the University.
2. The establishment of chairs for Applied Physics and Applied Biology in Science and for Economics and International Relations in Arts.
3. Publication of a Souvenir Volume containing a survey of the performance of students and teachers particularly research contributions by the latter.
4. Organisation of a Conference for research papers to be read by teachers, symposia on selected topics to be addressed by specialists and Inter-disciplinary discussions.
5. The establishment of an Institute of Basic Medical Sciences and another Institute for Research in Radioisotopes.
6. The establishment of an Electronics Centre.
7. Endowment of 5 Readership lectures in Law Medicine Sciences, Arts and Inter-disciplinary Studies.
8. The establishment of a Jubilee Science College and a Jubilee Hostel.

The matter is placed before the Commission for consideration. In this connection it may be pointed out that the Commission had agreed to a grant of Rs.10 lakhs to Banaras Hindu University and Rs.5 lakhs to the S.N.D.T. Women's University for undertaking projects in connection with their Golden Jubilee Celebrations.

A.E.O.(CDN I)/D.S.(A)

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.20: To consider the proposal received from the Poona University for conversion of the post of a Reader in Economics, approved by the Commission under Third Plan Development Scheme to that of a Prof.

...

During the Third Plan period the Commission approved the following research staff in the Economics Department of the Poona University:

Senior (In Reader's scale of Rs.500-800)	- 3
---	-----

Junior (In Lecturer's scale of Rs.250-500)	- 6
---	-----

The scale of the Reader in the University was subsequently revised to Rs.700-1100 and that of Lecturers to Rs.400-800.

Against the above posts approved by the Commission during the Third Plan period, the university has appointed one Professor, one reader, 5 lecturers and one research assistant. While there may be no objection to the appointment of a Research Assistant against the post of a Lecturer as a temporary measure, the question to be considered is whether the university may be permitted to convert the post of a reader into that of a professor.

In justification of the conversion of the post of reader, the Poona University has stated that Shri P.N. Mathur, the incumbent of the professor's post, was formerly working as a Senior Researcher in the scale of Rs.700-40-1100. The selection and confirmation committee recommended to the Board of Management of the Gokhale Institute of Economics and Politics to promote Shri Mathur as Professor and to place him at the starting salary of the Professor's grade with effect from 1st April, 1966. The university has also stated that Shri Mathur was due to receive Rs.950/- as basic salary in the Reader's scale during the year 1966-67.

The matter is placed before the Commission for consideration.

E.O.(H)/D.O.(H)

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No. 21: To consider the question of applicability of the revised scale for teachers to retired personnel.

...

With the approval of the Central Government the following revised scales of pay have been introduced for teachers of the Central Universities with effect from 1.4.1966:-

Lecturers	-	Rs.400-40-800-50-950
Readers	-	Rs.700-50-1250
Professors	-	Rs.1100-50-1300-60-1600
Professors (Senior scale)	-	Rs.1600-100-1800

2. There are teachers in the Central Universities who are re-employed after superannuation in the old scale before the introduction of the revised scales of pay. The pay of re-employed pensioners in the Central Universities is generally fixed on the same basis as laid down by the Government of India for superannuated Government pensioners, in consultation with the Government of India. Therefore, a reference was made to the Government of India to find out whether the revised scale of pay effective from 1.4.1966, would be applicable to the re-employed pensioners and if so, whether the formula adopted for fixation of pay of teachers could be made applicable to retired personnel also. The Government of India have indicated that re-employed pensioners who were re-employed prior to 1.4.1966 would continue to draw pay in the pre-revised scale.

3. Earlier, the scale of pay of teachers had been revised with effect from 1.4.1961. At that time also the advice of the Government of India in regard to the applicability of the then revised scales of pay to retired personnel was sought. They had suggested that the orders issued by the Government of India in this regard might be followed i.e. those who were re-employed before the introduction of the new scale would not be given the revised scales of pay. However, the Commission decided that the revised scales of pay should be made applicable to retired teachers as well.

4. On the analogy of the decision earlier taken with reference to the revised scales, effective from 1.4.1961, it is for consideration whether the revised scales of pay effective from 1.4.1966 should also be made applicable to retired personnel.

The matter is placed before the Commission for consideration.

A.S.(CU)/D.S.(A)

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated 5th July, 1967.

Item No.22: To consider the question of the basis of assistance for non-recurring expenditure in respect of B.Sc. (General) Group-B Courses in the Delhi Colleges.

....

The University of Delhi has desired to know the basis of the Commission's assistance for non-recurring grants to Colleges who intend to start B.Sc.(General) Group B courses. A copy of the letter received from the University is enclosed.

2. In 1959, the University of Delhi decided that the teaching of B.Sc.(General) Group A classes with Mathematics, Physics and Chemistry combination may be transferred to the Colleges from the University. Even at that time it had been accepted by the University that the question of transfer to the Colleges of B.Sc.(General) Group B with Botany, Zoology and Chemistry combination might be considered at a later stage. The proposal of the University to transfer the teaching of B.Sc.(General) Group B to certain colleges viz., S.G.T.B.Khalsa College and Hansraj College where pre-medical classes were being run, was accepted by the Commission and these Colleges started the teaching of these courses with effect from the academic year 1963-64. The Commission also agreed to have classes being started at the Miranda House, which was not providing facilities for Pre-medical classes.

3. The Commission had earlier decided that grants for non-recurring expenditure in connection with the teaching of B.Sc.(General) Group A may be paid on the following basis:

- |   |   |
|---|---|
| (i) Laboratory building including fittings and furniture. | Actual expenditure subject to a maximum of Rs.1,50,000.   |
| (ii) Equipment and Books.                                 | Actual expenditure subject to a maximum of Rs.50,000 (in the case of St.Stephen's College, it was agreed to fix the limit at Rs.70,000/-) |

4. In respect of the transfer of the B.Sc.(General) Group B to the Colleges concerned other than the Miranda House the approved recurring expenditure and the expenditure on laboratory staff etc., was treated as approved expenditure for purposes of maintenance grants. In respect of non-recurring expenditure, which included purchase of equipment and additions and alterations to existing buildings, the Commission accepted the recommendations of the Delhi University that grants may be paid on the basis of 75% of the total non-recurring expenditure approved by the University in respect of the Khalsa and Hansraj Colleges. In the case of the Miranda House, it being a University College, the entire expenditure is met by the U.G.C.

p.t.o.

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5. The basis on which assistance may be provided to Colleges in respect of non-recurring expenditure for starting B.Sc.(General) Group B courses may be decided by the Commission.

The matter is placed before the Commission for consideration.

....



Copy of D.O. letter No. 46/1/67-SF/4572 dated 22nd April, 1967 from Shri R.P. Mitra, Dean, Faculty of Science, Delhi University, Delhi to Shri R.K. Chhabra, Deputy Secretary, University Grants Commission, New Delhi.

....

As you are aware, we could not admit to the B.Sc. (General) Group 'B' Course all the eligible girl students last year. We have, therefore, been exploring the possibility of starting these classes in some of the girls' colleges this year.

The Daulat Ram College seems to be inclined to start this course. Before they can take a decision in the matter, they would like to know the basis on which grants for building, equipment, etc., would be available to them from the University Grants Commission for starting these classes.

I have with me a copy of the University Grants Commission's letter No. F.1-29/61 (CUP) dated 27th December, 1961, relevant extracts from which are quoted below:-

"Building including fittings: For the construction of Laboratories including fittings and furniture for B.Sc. (Pass) Group 'A' the Commission will pay grant not exceeding 1.5 lakhs subject to the conditions that the areas conform to what is laid down in the norms and standards for the construction of College Buildings and that the actual expenditure incurred on this account is not less than Rs. 1,50,000.

Equipment and Books for Science Classes: A grant not exceeding Rs. 50,000 will be paid to colleges for starting B.Sc. (Pass) classes in Group 'A' subject to actual expenditure of the above amount."

The above conditions relate to B.Sc. (General) Group 'A'. I assume, the same conditions will apply to B.Sc. (General) Group 'B' also. I shall be glad to have you confirm this. If there has been any change in the basis on which grants for buildings, laboratories, equipment, etc., are now made available by the University Grants Commission, you will please let me know.

As you are aware, the Commission has laid down norms for lecture room and B.Sc. Laboratories for Physics and Chemistry. I presume that these norms would also apply, with suitable modifications for constructing B.Sc. Laboratories for Botany and Zoology for the 'B' group Course.

On hearing from you, I can take up the matter with the Daulat Ram College and other interested colleges. In the meantime, I am sending a copy of this letter to the Principal, Daulat Ram College for information.

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated 5th July, 1967.

Item No.23: To consider the question of minimum qualification prescribed by the Delhi University for admission to the Correspondence Courses for the B.A.(Pass) Degree.

....

The University of Delhi instituted the Correspondence Course for the B.A.(Pass) Degree from the academic year 1962-63.

2. For admission to the Courses the minimum qualification prescribed for admission was as follows:

" A candidate who has passed the Higher Secondary Examination of the Central Board of Secondary Education Delhi or the Qualifying Examination of Delhi University or the Cambridge School Certificate (Senior) Examination or Pre-University or Intermediate Examination or an Examination recognised by the University as equivalent thereto is eligible for admission. Matriculates and S.S.L.C's are not eligible for admission."

3. For the academic session 1967-68, the University of Delhi has prescribed the following minimum qualification for admission to the B.A.(Pass) Course:

(i) For admission to the B.A.(Pass) Course of three years' duration.

" A candidate must have passed the Intermediate Examination from an Education Board of a State/or University or an Examination recognised as equivalent thereto with at least 45% marks in the aggregate.

(ii) For admission to the B.A.(Pass) Course of 4 years' duration

A candidate must have passed the Higher Secondary Examination of the Central Board of Secondary Education, New Delhi, or an Examination recognised as equivalent thereto or the Intermediate Examination, duly recognised by this University, with 40% marks and above in the aggregate.

Candidates who have secured less than 40% marks in the aggregate in their Higher Secondary Examination or Intermediate Examination will not be eligible for admission to the B.A.(Pass) Course in the Directorate of Correspondence Courses.

Matriculates and S.S.L.C's are not at all eligible for admission."

4. It may be observed that the University has raised the minimum marks for admission to the Correspondence Courses.

The matter is placed before the Commission.

A.S.(CU)/D.S.(A)

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No. 24: To consider participation of universities in India in the 10th Commonwealth Universities Congress to be held at Sydney (Australia) in 1968.

...

The 10th Commonwealth Universities Congress is to be held in Sydney (Australia) in 1968. The Association of Commonwealth Universities (London) has extended invitation to some of the universities in India for participation in that Congress. The Association has also intimated that the overseas delegations would be treated as guests of the Australian Universities during the period of Congress and living and travelling expenses in Australia will be borne by the Australian Universities. The other expenses, i.e. travelling expenses to Australia and back will have to be paid by the participating universities.

An enquiry has been made from the Commission whether it would be inclined to provide assistance if a delegation was sent by the university to Australia for participation in the Congress. In this connection it may be pointed out that the University Grants Commission has a scheme of providing assistance to teachers in Universities and Colleges to the extent of 50% of the travel expenses for participation in the International Conferences abroad provided the teacher has been asked either to chair a conference or a section of it or has been specially selected to contribute a paper in the conference. The invitation for the 10th Commonwealth Universities Congress in Australia is a general invitation to a number of universities.

The matter is placed before the Commission. For the ninth Commonwealth Universities Congress the Govt. of India, Ministry of Education in consultation with the Ministry of Finance selected seven Vice-Chancellors for attending the Congress in view of the National Emergency then. It is for consideration whether the question of sending a delegation from the universities to the proposed Congress may be taken up with the Government of India.

A.E.O.(CDN I)/D.S.(A)

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.25: To consider the allocation of unassigned grant to newly established universities.

The University Grants Commission had decided in 1966-67 that for the Fourth Plan period for certain relatively minor schemes of miscellaneous nature an unassigned grant may be made available to the Universities. The Universities may meet the expenditure on those schemes from out of the unassigned grant. Accordingly an unassigned grant was allocated to 56 universities and 8 institutions deemed to be universities (excluding Agricultural Universities, Indira Kala Sangeet Vishwavidalaya and K.S. Darbhanga Sanskrit Vishwavidalaya) for expenditure on the following schemes without making any reference to the University Grants Commission:

1. Travel grant to university teachers for attending international conferences abroad.
2. Travel grant to scholars and teachers for visiting centres of research, academic conferences etc.
3. T.A. and D.A. payable for attending conferences/seminars arranged by universities and non-university organizations.
4. Exchange of teachers.
5. U.G.C. Unit.
6. Employment of N.I.S. Patiala trained coaches in Athletics.
7. Extension work by university teachers.

The unassigned grant for the year 1967-68 has been allocated to all the universities and institutions deemed to be universities except the following which had been established recently:

- a) Kanpur, (b) Meerut, (c) Saurashtra, (d) South Gujarat, e) Sambalpur, (f) Berhampur.

Of these the first 4 universities had been established with the concurrence of the University Grants Commission.

It is for consideration whether an unassigned grant may be allocated to the 6 universities indicated above for the year 1967-68. In this connection it may be stated that an amount of Rs.13,000/- was allocated to Dibrugarh and Madurai Universities last year which were newly established then.

A.E.O.(CDN I)/D.S.(A)

UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated 5th July, 1967

Item No.26: To consider further the amendment of the regulation relating to the recognition of colleges under Section 2(f) of the U.G.C. Act, 1956.

....

The University Grants Commission in its meeting held on 7th April, 1965 had considered a proposal from the Govt. of Andhra Pradesh for including the Govt. College of Physical Education, Hyderabad in the list of colleges maintained by the Commission, in terms of Section 2(f) read with Section 26(i)(d) of the U.G.C. Act. The State Government had pointed out that the diploma course in Physical Education for which the College provides instructions, is of the duration of a full academic year after graduation. The Commission was also informed that according to the present regulation, which is reproduced below, only those colleges which are affiliated to the universities and provide instructions at least upto first degree stage are included in the list of colleges prepared under Section 2(f) of the U.G.C. Act.

"No college shall be recognised by the University Grants Commission as included in the University concerned for the purposes of the University Grants Commission Act, 1956 unless it (i) provides instruction upto the first degree, or upto a postgraduate degree or for a postgraduate degree only and (ii) is affiliated to, forms a constituent member of, or is run directly as a University College by the University in accordance with the provision of their respective Acts and Statutes and Regulations made under those acts."

The Commission accepted, in principle; the proposal of the Government of Andhra Pradesh and in its subsequent meeting agreed to the revised regulations as under:

"No college shall be recognised by the University Grants Commission as included in the University concerned for the purposes of the University Grants Commission Act, 1956 unless it (i) is affiliated to, forms a constituent member of, or is run directly as a University college by the University in accordance with the provisions of their respective Acts and Statutes and Regulations made under these Acts and (ii) provides instruction upto the first degree or upto a Postgraduate degree or for a Postgraduate degree only, or provides instruction for a diploma course of duration, not less than one academic year and for which the minimum qualification for admission is first (Bachelor) degree.

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The Government of India, Ministry of Education was also approached for approval to the amendment of the regulation. In the meantime, in connection with the examination of the proposal of Sri Aurobindo International Centre of Education, Pondicherry for declaration as an Institution deemed to be University under Section 3 of the U.G.C. Act. The Ministry of Law had expressed an opinion that the institutions contemplated in Section 2(f) or Section 3 of the U.G.C. Act must have some separate legal entity not necessarily a corporation or registered society. In the light of this, the Government of India intimated that it may be necessary to further amend the regulation so as also to provide that only those institutions could be recognised by the University Grants Commission which have a separate legal entity, as a corporation or a registered society or a trust, with trustees being appointed and vested with legal powers and duties. In the light of this development, the Commission at its meeting held on 1st December, 1965 desired that a statement of the case be prepared indicating implications of the proposed amendment.

The Universities were accordingly requested to send a list of their affiliated colleges under Section 2(f) of the U.G.C. Act, indicating whether the college has a separate legal entity as a corporation or a registered society or a trust. In spite of several reminders the requisite information could not be collected from all the Universities. In the meantime the Govt. of Andhra Pradesh and other State Governments have been pressing for the inclusion of the colleges of Physical Education in the list of colleges under Section 2(f) maintained by the Commission so that they might be eligible for financial assistance from the Commission. The matter was again considered by the Commission in its meeting held on 7th December, 1966 with a view to recommend to the Government the amendment of the regulation regarding the inclusion of colleges which provide instruction for diploma course of duration of not less than one academic year with first bachelor degree as the minimum qualification, without linking it with the proposed amendment of regulation regarding the separate legal entity of the affiliated colleges. The Commission had then agreed that the two amendments suggested for the modification of the regulation framed under Section 2(f) of the U.G.C. Act be dealt with separately and it be recommended to the Central Government that the modifications suggested with a view to include the Physical Education colleges within the purview of the Commission may be accepted.

Education, Govt. of India

The Ministry of L were then requested to accept the above proposal of amendment but they have since expressed the opinion vide their letter dated 10th May, 1967 (copy given as annexure I) that while the Ministry has no objection to the amendment of the relevant regulation regarding the colleges providing the instruction for diploma course of duration of not less than one academic year, it is felt that an amendment of the regulation in accordance with the advice of the Min. of Law in respect of separate legal entity of an institution is more important and essential. The Min. of Education has stressed the need of making both the amendments together to the regulation under Section 2(f) of the U.G.C. Act.

p.t.o.

Regarding the implications of the proposed amendment of the regulation dealing with the colleges having a separate legal entity, most of the replies received from the various universities have been tabulated and summarised in annexure (II).

It may be noted that the Universities have so far reported about 1649 affiliated colleges giving the details about the separate legal entity of their managements, as under:-

i)	Total number of affiliated colleges and constituent colleges, reported by Univ.	1649
ii)	The number of Government colleges affiliated to Universities.	388
iii)	Number of University/Constituent colleges run by the Universities.	123
iv)	Number of affiliated colleges having a separate legal entity as corporation, trust, registered society.	546
v)	Number of affiliated colleges not having a separate legal entity.	592

It may be mentioned here that out of a total of 2565 colleges, only 1649 have been reported by the Universities. Several Universities have offered comments regarding the proposed amendment of the regulation. The same are summarised below for the information of the Commission.

i) The proposed amendment is likely to cause great hardship as a number of societies are running more than 2 or 3 institutions under their direct control. In this system one incorporated society runs several institutions with different management boards having limited powers, the overall control vesting in the registered society. The properties with such institutions vest in the registered society and not in the local managements. Strictly speaking, therefore, such institutions under one common registered society cannot be termed as having a separate legal entity (Karnatak University).

ii) The colleges themselves are different from the educational societies or trusts which manage these institutions collectively. This being so, it is not possible to say whether a particular college has legal entity by itself, as this involves a question of legal interpretation (Gujarat and Poona Universities).

iii) If legal entity restrictions are imposed it would pose a threat of withholding the recognition of the colleges (Magadh University).

iv) Some Universities have provision in their statutes that each of the affiliated colleges must be controlled or managed by a registered body or trust or a corporation as a condition of affiliation (Ravi Shanker, Vikram and Madras Universities).

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It may also be noted that some of the Universities have not given clear replies about the separate legal entity of their affiliated colleges. Universities have also expressed the fear that in case this amendment is accepted a majority of the affiliated colleges will have to be excluded from the list under Section 2(f). In the case of these Universities which have provision in their statutes that the colleges must be managed by a registered society as one of the conditions of affiliation, it is not clear whether the statutes provide that each college management should have a separate legal entity and that in case several colleges are run by one registered society, the fulfilment of the condition laid down in the statutes may be taken for granted. A few universities have given replies of a general nature to the effect that all their affiliated colleges have their own separate legal entity.

The matter is placed before the Commission.

A.E.O.(CDN I)



ANNEXURE I

Copy of letter No.F.9-14/67-U2 dated 10th May, 1967 from Shri Triyogi Narain, Under Secretary, Ministry of Education, Govt. of India, New Delhi addressed to the Secretary, University Grants Commission, New Delhi.

.....

**Subject:-** University Grants Commission- Amendment of regulation relating to recognition of colleges under section 2(f) of the University Grants Commission Act, 1956.

.....

I am directed to refer to your letter No.F.33-34/65(CUP) Pt.II dated the 14th March, 1967 on the subject mentioned above and to say that while this Ministry has no objection to the amendment of the relevant regulation so that the colleges providing instructions for diploma course of duration of not less than one academic year, for which the minimum qualification for admission is first (Bachelor) degree, may become eligible for recognition under section 2(f) of the University Grants Commission, 1956, it is felt that an amendment of the regulation in accordance with the advice of the Ministry of Law in respect of separate legal entity of an institution is more important and essential too and it should be provided for in the regulations as early as possible. As the advice of the Ministry of Law is to be acted upon in any case, it does not seem to be necessary to obtain from the Universities first the list of affiliated colleges having separate legal entity, before amending the relevant regulation. As soon as the relevant regulation is amended and the condition regarding separate legal entity of the institution is enforced by the Commission, every college itself would see to it that it acquires a legal status urgently otherwise it would not be entitled to grants from the Commission.

2. I am further to invite your attention to the observations of the Public Accounts Committee forwarded to the University Grants Commission with this Ministry's letter No.F.9-32/65-U2 dated the 30th November, 1965. The Public Accounts Committee had observed that giving of grants to institutions which have not acquired a legal status is not only irregular but is also fraught with risk in cases of default. In view of the observation of the Committee it has become all the more important that the necessary amendment to the regulation should be carried out without any further delay so that there may not be any audit objection in future.

Statement showing the separate legal entity of the  
affiliated colleges.

S.No.	University	Total No. of affiliated/constituent colleges	No. of Govt. colleges affiliated to university	No. of Univ./constituent colleges run by the university	No. of affiliated colleges having separate legal entity	No. of affiliated colleges NOT having separate legal entity	
1	2	3	4	5	6	7	
1.	Agra	116	11	2	103	-	
2.	Aligarh	5	-	5	-	-	
3.	Allahabad	6	-	-	6	-	
4.	Andhra	34	9	-	18	7	
5.	Andhra Pradesh Agricultural Univ.	6	-	6	-	-	
6.	Annamalai	----- No affiliated colleges-----					
7..	Banaras	1	-	-	1	-	
8..	Bangalore	31	9	-	4	18	
9..	Baroda	6	1	-	-	5	
10).	Bhagalpur	41	4	2	-	35	
11.	Bihar						
122.	Bombay	53	11	-	2	40	
133.	Burdwan	36	4	-	-	32	
144.	Calcutta						
155.	Delhi	36	10	4	15	7	
166.	Dibrugarh	9	4	-	2	3	
177.	Gauhati	37	6	1	30	-	
188.	Gorakhpur						
199.	Gujarat	138	27	4	7	100	
200.	Indira Kala Sangit Vishwavidyalaya	20	7	-	-	13	
211.	Indore	17	9	1	3	4	
212.	Jabalpur	20	8	-	6	6	
213.	Jadavpur	1	-	-	1	-	
214.	Jammu & Kashmir	24	18	-	-	6	
215.	Jawaharlal Nehru Krishi Vishwavidyalaya.	8	-	8	-	-	
226.	Jiwaji	26	13	-	8	5	
227.	Jodhpur	2	-	-	2	-	
228.	Kalyani	----- No Affiliated Colleges-----					

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1	2	3	4	5	6	7
29. K.S.Darbhang Sanskrit Vishvavidyalaya.						
30. Karnatak	51	4	4	3	40	
31. Kerala	38	-	-	16	22	
32. Kuruksetra.	5	2	1	2	-	
33. Lucknow	16	2	1	4	9	
34. Madras	112	33	4	75	-	
35. Magadh	34	-	2	-	32	
36. Marathwada.	20	-	-	10	10	
37. Mysore	50	15	3	31	1	
38. Nagpur	53	9	3	8	33	
39. North Bengal	19	4	-	1	14	
40. Orissa University of Agriculture & Technology.	2	-	2	-	-	
41. Osmania	22	1	-	12	9	
42. Panjab	141	46	4	90	1	
43. Patna	10	-	10	-	-	
44. Poona	36	5	-	3	28	
45. Panjab Agricultural University.	7	-	7	-	-	
46. Punjabi	9	7	-	2	-	
47. Rabindra Bharati		-- No Affiliated Colleges.----				
48. Rajasthan	23	-	-	15	8	
49. Ranchi	32	6	4	-	22	
50. Ravi Shanker	35	13	-	20	2	
51. Roorkee		----- No Affiliated Colleges-----				
52. Sardar Patel	11	-	1	-	10	
53. Saugar	66	30	22	-	14	
54. S.N.D.T.Women's	7	-	-	1	6	
55. Shivaji	34	4	-	-	30	
56. Srivenkateswara	21	10	1	10	-	
57. Udaipur	13	-	6	3	4	
58. University of Agricultural Sciences, Hebbal.	3	-	3	-	-	

p.t.o.

1	2	3	4	5	6	7
59. U.P. Agricultural		3	-	3	-	-
60. Utkal		63	19	4	24	16
61. Varanaseya Sanskrit Vishvavidyalaya.						
62. Vikram		35	27	-	8	-
63. Visva-Bharati		5	-	5	-	-
Grand Total:		1649	388	123	546	592

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 5th July, 1967.

Item No. 27 :- To consider the recommendations of the  
Standing Advisory Committee on Area Studies.

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The following proposals were considered by the Standing Advisory Committee on Area Studies at its meeting held on 2nd March, 1967. The details of the proposals and the recommendations of the committee are given below for the Commission's consideration:

I. Proposal from United States Educational Foundation in India for development of programmes in American Studies at the Universities of Bombay, Delhi and Jadavpur.

The United States Educational Foundation in India proposed to assist 3 universities for the development of American Studies as under:

- (a) Political Science related to the U.S.A. (Bombay University);
- (b) American Literature (Delhi University; and
- (c) American History (Jadavpur University).

It was contemplated that these studies would be introduced as an optional group in the related disciplines at the postgraduate level and facilities would also be provided for research. The details of the proposal and the assistance that the Foundation would make available are given in the agenda note considered by the Commission at its meeting held on 5th October, 1966 reproduced in Appendix I. The Commission desired that the matter may be considered by the Area Studies Committee in the first instance.

The Committee noted that after the assistance of the United States Educational Foundation in India ceases, the universities concerned would require the following assistance from the Commission:

- (i) Creation of atleast 3 additional professorships, 3 to 6 Lectureships for teaching and guiding research in the American subjects concerned.
- (ii) Limited funds on a continuing basis for augmenting the library facilities and strengthening the research potential.
- (iii) Limited funds on a continuing basis for supporting on-going research projects with equipment, personnel and research materials.

The Standing Advisory Committee was unable to recommend the proposal in view of the financial outlay involved and the policy that areas like Europe and North America did not call for special efforts at the present stage.

(p.t.o)

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II. Proposal of the Jadavpur University to hold a seminar on South East Asia with assistance from the U.S. Educational Foundation in India.

The Jadavpur University proposes to organise a seven day seminar in August 1967 on problems and prospects of Regional Cooperation amongst South East Asian countries. The University intended to invite 15 distinguished scholars in this field in India, 7 from South East Asian countries, 5 from the United States and 3 from Australia. The U.S.E.F.I. has offered to bear all the expenses of the American scholars. The University proposes to approach the Australian High Commission and the respective Embassies of the Philippines, Burma, Malaysia, Indonesia, Thailand, Vietnam etc. to defray the travel expenses of the participants who would be invited from these countries. In case these Governments do not agree to meet this expenditure, the University would approach the Ministry of Education, Government of India for this purpose. The U.G.C. has been requested to meet the general operational costs of the seminar which amount to Rs.23,100/-. The details of the cost and tentative list of the participants in the proposed seminar are given in Appendix II.

The Standing Advisory Committee on Area Studies has recommended the proposal of the Jadavpur University and suggested that the University may be advised to hold the seminar later in the year after adequate preparation.

III. Proposal of the Delhi University regarding the Department of African Studies.

The Delhi University seeks the Commission's assistance to send two research scholars of the Department of African Studies for field work to Africa for a period of six months at a total cost of Rs.22,000/-. The details of the proposal are given in the letter of the Head of the Department of African Studies in Appendix III. It may be stated in this connection that in the Fourth Plan proposals the Delhi University has included a field grant of Rs.1,75,000/- under the first priority.

The Standing Advisory Committee on Area Studies was of the opinion that field work is essential for the type of research in which the students are engaged, and recommended that a grant of Rs.20,000/- be provided to the University for the purpose.

The following points are for the Commission's consideration:

- (i) Whether in view of the opinion expressed by the Advisory Committee we regret our inability to accept the proposal of USEFI for developing American Studies at the Universities of Bombay, Delhi and Jadavpur;
- (ii) Whether as recommended by the Advisory Committee, the proposal of the Jadavpur University for holding a seminar on the problems and prospects of regional cooperation amongst South East Asian countries may be accepted, subject to the necessary clearance from the Government of India and a grant of Rs.23,100/- provided for the purpose; and
- (iii) Whether the field grant of Rs.20,000/- for 2 research scholars for the Department of African Studies, Delhi University as recommended by the Advisory Committee may be provided subject to the condition that this will be a charge on the Fourth Plan allocations to the University.

Appendix I to Agenda Item No.27.

To consider a reference from the United States Educational Foundation in India for developing Ph.D. programme in American Studies at three universities (Delhi, Bombay & Jadavpur).

....

The United States Educational Foundation in India has sent a proposal to assist in developing American Studies at three universities as under:

1. Political Science related to the U.S.A (Bombay University).
2. American literature (Delhi University) and
3. American History (Jadavpur University)

Each of these three universities will provide courses leading to a doctoral degree and would require of the candidates a basic knowledge of these subjects with concentration on its special discipline.

It is envisaged that an optional group in American Studies will be introduced at the M.A. Course. The next development will be a Ph.D. programme requiring not merely a dissertation in the field of specialization but, in addition, a broad knowledge of the field work. Thus, a Ph.D. programme in literature with American Specialization will require a basic knowledge of U.S.history, Government, Geography, economic development etc.

The Foundation's assistance to each of the three universities will be as follows:-

1. One Professor (either American or Indian or both) in the subject for a period of 5 years. In the case of Delhi University, the Foundation is already committed to support an Indian Professor for 5 years and may extend similar support to Jadavpur and Bombay Universities. In the meantime, for the academic year 1966-67, an American Professor has been assigned to each of these three universities.
2. Sending each year one or two prospective Indian teachers to the U.S.A. for advanced training and specialization. This assistance may extend for a period of three years or more.

For the academic year 1966-67 an Indian Professor from Jadavpur University is being sent to the U.S.A. for one year of advanced training and research in American History.

3. Sending the Heads of Departments on short-term grants to the U.S. for consultation and familiarization with the latest techniques and advancements. The Foundation is exploring this principle.
4. Building up the University Library and research potentialities in the subject in all the three universities.

For the academic year 1966-67 the Foundation has ordered books worth Rs.5,000/- to Rs.7,000/- for each of these universities and this amount may increase in future years.

5. Providing either funds or equipments for developing research e.g. clerical and secretariat help, typewriters, duplicators, cost off stationery and printing, stipend for a limited number of Research Fellows or Research Assistants.

For the academic year 1966-67 the Foundation is providing Rs.10,000/- for each of these universities.

The amounts of the developmental support is likely to increase in subsequent years.

According to the USEFI, the assistance required by the Universities of Bombay, Delhi and Jadavpur from University Grants Commission after the assistance of the USEFI ceases is detailed below:-

1. Creation of at least one additional professorship and one or two lectureship, specifically for teaching and guiding research in the American subject concerned.
2. A limited amount of funds on a continuing basis for augmenting the library and strengthening the research potential.
3. A limited amount of funds on a continuing basis for supporting on-going research projects with equipment, personnel and research materials.

The existing provision for American studies in the three universities is given in the statement attached (Annexure I).

It may be mentioned in this connection that the Commission at its meeting held on February 7, 1962 considered a proposal from the Embassy of the U.S.A. in India received through the Ministry of Education, Govt. of India, for the establishment of chairs in American studies in Indian universities under the P.L. 480 scheme and resolved as under:-

"The Commission welcomed the proposal for setting up Chairs in American Studies in Indian Universities, and noted that in the first instance three such Chairs would be established at the Universities of Bombay, Jadavpur and Osmania. The Commission also noted that in the first instance American professors would be appointed to these Chairs and funds for this purpose would be available from P.L. 480 funds for a period of three years. The Commission, however, was of the view that it would be good to ensure at the very start that these Chairs were established for a period of about 10 years in the first instance instead of the three years proposed".

Under this programme the Universities of Bombay and Jadavpur received visiting professors from American universities and deputed their teachers/scholars for training in the U.S.A.



Annexure I

Provision for American Studies in the Universities of Jadavpur, Delhi and Bombay.

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Jadavpur

One compulsory paper in the M.A. History course, one optional paper for the M.A. international relations course and two part papers in the M.A. Economics courses.

Delhi

One optional paper for the M.A. history course, and part papers in the M.A. Political Science and Geography courses.

(The part-papers are not really specialized or advanced courses-and are to be found in the syllabuses for Political Science (Constitution, Public Administration, Foreign Policy) in most universities).

Bombay

The University has provision for American Studies in the Department of Civics and Politics and English as under:-

Year	Class	<u>Department of English</u>	
		<u>Total No. of students (Prin.)</u>	<u>Number of students offering American Literature</u>
1963-64	Junior	57	20
	Senior	60	The subject was introduced during 1963-64 and the first batch was the Jr. students of that year.
1964-65	Junior	96	
	Senior	57	19
1965-66	Junior	82 (Admitted 91)	32 (in beginning 48)
	Senior	<u>Ist Term</u> 102*	<u>II Term</u> 62**

Year	Class	<u>Department of Civics &amp; Politics.</u>	
		<u>Total No. of M.A. students in the department.</u>	<u>Number of students opting for American Studies.</u>
1962-63	Junior	96	32
	Senior	99	The paper was introduced during 1962-63.
1963-64	Junior	118	
	Senior	88	25
1964-65	Junior	116	28
	Senior	89	37
1965-66	The paper is not taught this year as the scholar deputed for training had to extend his stay in the U.S.A. and that visiting professor under the scheme nominated this year has come this month only for a few weeks.		

\* The increase in the number of students compared with the juniors of 1964-65 is due to the fact that some students had to keep their additional/final terms.

\*\* The decrease in the number of students is due to cancellation and discontinuation.

Appendix II to Item No.27.(A) DETAILS OF THE ESTIMATED COST OF THE SEMINAR  
PROPOSED TO BE ORGANISED BY THE JADAVPUR UNIVERSITY.

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Boarding and lodging for 30 persons at Calcutta for 8 days  
(7 days of the Seminar and one day for earlier arrivals and  
late departures.

i)	10 persons to be lodged in the guest house @ Rs.15/- per participant per day.	Rs. 1,200/-
ii)	20 persons to be lodged in Ramkrishna Mission cultural centre at Rs.360/- per participant per day.	Rs. 4,800/-
iii)	P.A. for 15 Indian participants.	Rs. 6,000/-
iv)	Conveyance charges for 40 participants (including ten local participants) for 7 days seminar @ Rs.10/- per head per day.	Rs. 2,800/-
v)	Entertainment (Coffee, tea etc.)	Rs. 700/-
vi)	Postage and Telegrams.	Rs. 600/-
vii)	Lunches for the participants for 7 days.	Rs. 2,400/-
viii)	Stationery and Printing.	Rs. 2,000/-
ix)	Contingencies.	Rs. 2,000/-
x)	Secretarial assistance..	Rs. 600/-
		<u>Rs.23,100/-</u>

(B) TENTATIVE LIST OF PARTICIPANTSSOUTH EAST ASIA:

1. Prof. Ruben Santos Cuyugan,  
Director,  
Institute of Asian Studies,  
University of the Philippines,  
Quezon City, (Philippines).

or

Dr. Remigio E. Agpalo, Ph.D. (Indian)  
Chairman of the Department of Political Science,  
University of Philippines  
Quezon city (Philippines).

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Dr. Agpalo has been writing on Philippines politics and was the first President of the Philippine Political Science Association.

2. Professor Kyaw Thet  
Department of History  
University of Rangoon  
Rangoon.

3. Dr. Somsakdi Xuto, Ph.D.  
Department of International Relations  
Faculty of Political Science  
Chulalongkorn University  
Bangkok.

or

Dr. Amara Raksatayaa, Ph.D.  
Director of Research  
Institute of Public Administration  
Thammasat University  
Bangkok.

4. Dr. Ungku Aziz  
Professor of Economics  
University of Malaya  
Kuala Lumpur Malaysia

or

Professor Wang Gungwu  
Professor of History  
University of Malaya  
Kuala Lumpur  
Malaysia

5. Mr. Muhammad Said  
Taman Siswa Headquarters  
Dj. Garuda 25  
DJAKARTA (Indonesia).

or

Dr. Selo Soemardjan, PH.D.(Cornell)  
Djl. Kabumen 5  
DJAKARTA (indonesia)

6. Mr. Nghiem Dang  
Vice-Rector  
National Institute of Public Administration  
10, ran Quoc Toan  
SAIGON  
(Republic of Vietnam)

7. Dr. K.J. Ratnam  
Department of History  
University of Singapore  
Bakit Timah Road  
SINGAPORE-10.

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The United States of America:

1. Professor Harry J. Benda  
Director  
Southeast Asian Studies  
Yale University  
39, North Sheffield Hall  
New Haven Conn. U.S.A.
2. Professor Bernard B. Fall  
Associate Prof. of Government  
Howard University  
2441, Sixth Street, N.W.  
Washington 1, DC
3. Professor George McT. Kahin  
Cornell Modern Indonesia Project  
Department of Far Eastern Studies  
102 West Avenue  
Cornell University  
Ithaca, New York, NY U.S.A.
4. Dr. Lucian W. Pye  
Professor of Political Science  
Massachusetts Institute of Technology  
Cambridge, Mass.
5. Dr. Richard Butwell Director  
William Andrew Patterson School of  
Diplomacy and International Commerce,  
College of Arts and Science,  
University of Kentucky  
Lexington, Kentucky U.S.A..

AUSTRALIA:

1. Dr. John Legg  
Professor of Testing & Director  
Centre for South East Asian Studies  
Monash University  
Melbourne  
Australia
2. Mr. James A.C. Mackie  
Department of Indonesian and Malaysian Studies  
University of Melbourne  
Parkville N 2, Victoria  
Australia
3. Dr. N. Tarling  
Department of History  
University of Queensland  
St. Lucia, Brisbane  
Australia.

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PARTICIPANTS FROM INDIA (excluding ten teachers from Jadavpur University).

1. Dr. V.M. Reddi  
Reader in History  
Sri Venkateswara University.  
TIRUPATI (Andhra Pradesh).
2. Dr. Vishal Singh  
Head of the Department of Southeast Asian Studies  
Indian School of International Studies  
Sapru House, Barakhamba Road,  
New Delhi.
3. Dr. S. Krishnamurthy  
Department of Southeast Asian Studies  
Indian School of International Studies  
Sapru House, Barakhamba Road,  
New Delhi.
4. Mr. Sisir K. Gupta  
Research Director  
Indian Council of World Affairs  
Sapru House, Barakhamba Road,  
New Delhi-1.
5. Dr. V.P. Dutta  
Professor of Chinese Studies  
University of Delhi  
New Delhi.
6. Professor S.P. Varma  
Department of Political Science  
University of Rajasthan  
Jaipur(RAJASTHAN)
7. Dr. Arun Kumar Das Gupta  
Reader in History  
Department of History  
University of Burdwan  
BURDWAN(West Bengal)
8. Dr. Bimla Prasad  
Professor and Head of the Department of  
South Asian Studies  
Indian School of International Studies  
Sapru House, New Delhi-1.
9. Miss C.B. Muthamma  
Director (Current Research)  
Ministry of External Affairs  
New Delhi.
10. Dr. M.S. Rajan  
Director  
Indian School of International Studies  
Sapru House,  
New Delhi-1.

11. Dr. B.N. Ganguli,  
Pro-Vice-Chancellor,  
Delhi University  
Delhi.
12. Shri B. Shiva Rao
13. Shri S.K. Roy  
Joint Secretary  
Ministry of External Affairs  
New Delhi.
14. Shri Pran Chopra  
Editor  
The Statesman  
Calcutta.
15. Dr. Rajani Kothari,  
Director,  
Centre for Developing Societies  
New Delhi.

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Appendix III to Item No. 27  
Meeting: Dated, the 5th July, 1967.

Copy of the letter dated 21.9.66 of Dr. S.N.Verma, Head of the Department of African Studies, Delhi University, addressed to the Vice-Chancellor, Delhi University.

Sub:- Field grant in respect of Servashir Harjinder Singh and Tilak Raj Kakkar, Ph.D. studies in the Department of African Studies.

The following research students in the Department of African Studies have been pursuing research on the topics and from the dates mentioned against each :-

S.No.	Name of the Scholar	Topic of Research	Date of Admission	Supervisor
1	2	3	4	5
1.	Sh. Harjinder Singh	Agricultural Development in Ethiopia with Special reference to Coffee.	28.11.64	Dr. Daleep Singh.
2.	Sh. Tilak Raj Kakkar	Indo-African Trade.	24.4.65	Dr. Daleep Singh.

Both the above scholars have collected every possible data available in the Libraries of the University of Delhi/Ministries, Sapru House etc. and they feel that they <sup>have</sup> now exhausted material in Delhi and elsewhere and would, therefore, like to go to the field to collect further material and interview people there. Their supervisor, Dr. Daleep Singh, has strongly recommended that the visit of these two scholars is necessary to fill in the important gaps in their research work. A six month visit in both these cases has been suggested. The progress of these two scholars is quite satisfactory and both the scholars are serious in their work, according to reports from the supervisor. Shri Harjinder Singh has submitted the following expenditure :-

1. Travelling Cost.	...	Rs. 3,000/-
2. Living expenses for six months.	...	Rs. 6,000/-
3. Internal conveyance.	...	Rs. 2,000/-
4. Other expenses.	...	Rs. <u>1,000/-</u>
	Total	Rs. <u>12,000/-</u>

Shri Tilak Raj Kakkar has submitted the following expenditure :-

1. Travel expenses from New Delhi to Mombasa (both ways).	...	Rs. 3,000/-
2. Stay in East Africa for about six months.	...	Rs. 5,000/-
3. Travel expenses in East Africa.	...	Rs. 1,000/-
4. Stationery, typing, books & photographs etc.	...	Rs. 500/-
5. Other miscellaneous expenses.	...	Rs. <u>500/-</u>
	Total	Rs. <u>10,000/-</u>

The itineraries of these two scholars will be submitted in due course of time.

UNIVERSITY GRANTS COMMISSION

Meeting :

Dated: 5th July, 1967.

Item No. 28:- To consider if the committed expenditure for the establishment of Postgraduate Institutes of Basic Medical Sciences at 4 University Centres of Calcutta, Panjab, Madras and Bombay are to be met outside the allocation for the development of higher education & research in Sciences and Humanities during the Fourth Five Year Plan.

.....

1. On the recommendation of expert committees, the Commission approved of the establishment of four Postgraduate Institutes of Basic Medical Sciences at four University Centres e.g. Calcutta (1960), Panjab (1963), Madras (1965) and Bombay (1965) with assistance for Non-recurring (at 2/3:1/3) and Recurring at (50:50) grants for the development of higher education and research in Basic Medical Sciences.
2. Information regarding the courses introduced/to be introduced, admission qualifications, grants approved and grants payable during the Fourth Five Year Plan for the above four Centres, is given in Appendix I.
3. The U.G.C. share of expenditure for the development of the four Postgraduate Institutes of Basic Medical Sciences shall be of the order of Rs 1.0 crore approximately during the Fourth Five Year Plan.
4. It may be stated that while considering a proposal from the Calcutta University for the development of Postgraduate Institute of Basic Medical Sciences, the Commission at its meeting held in March, 1967 (Item No. 32) resolved that a committee be appointed to review the progress made by the Calcutta University in the implementation of the scheme for the establishment of the Postgraduate Institute of Basic Medical Sciences. In pursuance of the Commission's resolution, a Committee has been constituted to review the progress made and also to assess its development needs in the Fourth Five Year Plan.
5. The Commission at its meeting held in May, 1967 (Item No. 43) considered a proposal from the Bombay University for revision of the sharing basis of grants sanctioned for the Postgraduate Institute of Basic Medical Sciences, which, however, was not accepted. At an earlier meeting held in May, 1966 (Item No. 24) the Commission agreed that one of the posts of professors sanctioned, may be designated as Director in the scale of Rs 1600-100-1800 plus Non-Practicing Allowance of Rs 400/- per month.



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The University has been able to secure the services of Dr.B.B.Dikshit, retired Director, All-India Institute of Medical Sciences, New Delhi, as Project Director in the scale mentioned above w.e.f. 3rd October,1965..

The Bombay University has requested for Commission's approval for the appointment of three teaching staff for the Institute of Basic Medical Sciences as indicated below:-

Name	Post Scale	Date of appointment	Starting salary
1.Dr.(Mrs.)P.A.Kumar M.B.B.S.M.Sc.	Reader in Physiology Rs700-40-1100 plus Rs200/- N.P.A.	29.6.1966	Rs1020/- plus Rs200/- N.P.A. (with 8 advance increments)
2.Dr.A.B.Martins M.Sc.Ph.D.	Reader in Microbiology Rs700-40-1100	3.5.1966	Rs900/-(with 5 advance increments.)
3.Shmt.M.M.Bhatikar M.Sc.	Lecturer in Microbiology Rs400-30-600-40- -40-840.	1.7.1966	Rs450/- plus Rs150/- N.P.A.(Starting salary does not fit in the scale and NPA is not admissible for not having medical qualifications)

A summary of the above is given below:-

1. If the expenditure on the four Postgraduate Institutes for Basic Medical Sciences (Calcutta, Panjab, Bombay & Madras) during the Fourth Five Year Plan, is to be met outside the ceiling allocations to these universities (paras 2-4 above.)
2. Approval to the appointments made for the Bombay Centre of the Postgraduate Institutes of Basic Medical Sciences (para 5 above)

The matter is placed before the Commission for consideration.

E.O.(S)

APPENDIX I

COMPARATIVE STATEMENT OF THE FUNCTIONING OF THE 4 POSTGRADUATES INSTITUTES OF BASIC MEDICAL SCIENCES (CALCUTTA, PANJAB, MADRAS AND BOMBAY).

	<u>Calcutta</u>	<u>Panjab</u>	<u>Madras</u>	<u>Bombay</u>
1. Postgraduate Institute of Basic Medical Sciences approved on	5.9.1960	4.10.1963	27.4.1965	27.4.1965.
2. Institute started on	5.9.1960	Dec. 1963	Oct. 1965	20.12.1965.
3. Courses introduced/to be introduced.	(a) One-year Diploma Course in Basic Med. Sciences (Anatomy, Physiology, Pathology, Pharmacology, Biochemistry).	(a) One-year B.Sc. Hons. Course in Biochemistry with Biophysics & Microbiology as subsidiaries.	<u>To be Introduced</u> (a) Postgraduate courses in Biochemistry, Pathology & Microbiology.	<u>To be introduced.</u> The Commission approved of the introduction of Postgraduate departments of Biochemistry, Anatomy, Physiology, Pathology, Microbiology and Pharmacology.
Admission qualifications.	Open to M.B.B.S. degree holders: Average admission per year 20 (1958-59 to 1964-65) and annual out-turn is 4.	Open to B.Sc. (Hons) degree holders in Chemistry, Agriculture, Dairying or to Ist M.B.B.S.: Average admission per year II (1963-64, 1964-65) Annual Out-turn.	Three years Post-graduate Course for Sc. graduates leading to M.Sc. In the specific subject.	
	(b) Two years degree course -M.Sc. (Med).	(b) Two years M.Sc. Biochemistry	Two years Postgraduate course leading to M.D./ M.S. in the specific subject (for Medical graduates).	
Admission qualifications:	Open to Basic Med.Sc. Diploma holders having already obtained M.B.B.S. and to medical college teachers with at least 2 years' standing in the subject: Average admission per year 14 (1962-63) to (1964-65) & annual out-turn=12 (1964-65).	Open to B.Sc. (Hons) Biochemistry or B.Sc. with Biochemistry: Average annual admission=7 (1963-64 to 1964-65) Annual Out-turn=		

(contd...)

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	<u>Calcutta</u>	<u>Panjab</u>	<u>Madras</u>	<u>Bombay</u>
(c) D.Phil(Med.)Course	(c) D.Phil(Med.)Course	(c) Three-year B.Sc(Hons) in Microbiology, Biophysics & Biochemistry (with 15 admissions) (1965-66) with one of the three as major.	(c) Postgraduate courses in Physiology, Pharmacology and Anatomy similarly to start from 1966-67, 1967-68 and 1968-69 respectively.	-
No.admitted=4	No.admitted=4			
No.registered=8	No.registered=8			
Admission qualifications.	Open to M.B.B.S.degree holders with M.Sc(Med.)	Open to PUC medical/non-medical group.		
	Annual out-turn=5 (1960-64)			
(d) -	(d) -	(d) Ph.D.in Biochemistry/Biophysics No.registered= No information Open to M.Sc.Biochemistry/Biophysics. Annual Cut-turn=No information.		

4. GRANTS APPROVED (UCC SHARE)

(a) Building (2/3:1/3)	11,80,000	7,41,622	14,87,500	14,87,500
(b) Equipment (2/3:1/3)	5,33,333	6,00,000	8,33,333	8,33,333
(c) Library books & journals (100%)	-	1,00,000	2,50,000	2,50,000
(d) Staff sanctioned	<u>5P +5R +15L</u>	<u>3P + 3R +6L</u>	<u>6P + 6R + 12L</u>	<u>6P + 6R + 12 L</u>
Staff appointed (50:5)	4R + 11L	1P + 3R + 3L		

(Contd-----)

	<u>Calcutta</u>	<u>Panjab</u>	<u>Madras</u>	<u>Bombay</u>
<b>5. Grants released upto 31.3.1966:</b>	Rs	Rs	Rs	Rs
(a) Building	5,00,000	7,00,000	-	-
(b) Equipment	1,50,000	75,000	75,000	40,000
(c) Library books & journals	-	70,000	25,000	10,000
(d) Staff	60,532	94,000	-	-
<b>6. Grants payable:</b>				
(a) Building	6,80,000	41,622	14,87,500	14,87,500
(b) Equipment	3,83,333	5,25,000	7,38,333	7,93,333
(c) Library books & journals	-	30,000	2,25,000	2,40,000
(d) Staff	5P+1R+4L	2P+3L	6P +6R +12L	6P+6R+12L

7. REMARKS	(i)	<p>Institute started functioning from 5.9.1960. The admission to the various diploma &amp; degree courses has been confined to medical graduates only for <del>obtaining higher</del> qualifications, without offering any scope to science graduates for higher studies &amp; research.</p> <p>Average number of admission=14</p>	<p>Started functioning from Dec.'63 Admission to P.G. course (Biochemistry only) confined to science graduates.</p> <p>Average number of admission=7</p> <p>Undergraduate course leading to B.Sc (Hons.) in Biochemistry, Biophysics and Microbiology with any of the three as major.</p> <p>Average number of admissions =15</p>	<p>Started functioning from Oct.'65. 3/2 year postgraduate course in Biochemistry, Pathology, Microbiology leading to M.Sc./M.D. or M.S. open to science/medical graduates.</p>	<p>Started functioning from Dec.'65.</p>
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CalcuttaObjectives:-

- (i) Limited to the training of medical graduates only for meeting the shortage of staff in Basic Medical Sciences in Medical Colleges. The Institute appears to be growing in isolation from the rapidly advancing mainstream of Sciences.
- (ii) The average expenditure (UGC share) during the IV Plan will amount to Rs 23.00 lakhs approx. (NR=18.00 lakhs + R=5.00 lakhs) for an average annual admission of about 15 students.

PanjabObjectives:

To meet the shortage of staff in Basic Medical Sciences and may be for the growing needs of the Pharmaceutical and allied industries.

The average expenditure (UGC share) during the IV Plan will amount to Rs 20.00 lakhs approx. (NR=15.00 lakhs + R=5.00 lakhs) for and average annual admission of about 15.

MadrasObjectives:

Aimed at training and research purposes.

The average expenditure during the IV Plan (UGC share) is approx. Rs 30.00 lakhs (NR=24.00 lakhs + R=6.00 lakhs).

Bombay

The average expenditure during the IV Plan (UGC share) is approx. Rs 30.00 lakhs (NR=24.00 lakhs + R=6.00 lakhs).

UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated: 5.7.1967.

Item No.29:- To consider the question of extension of Text Book Library Scheme to cover colleges with enrolment of less than 500 students.

.....

The Commission started towards the end of 1963-64 a scheme for providing limited assistance to colleges for the establishment of Text Book Libraries in order to make standard Text Books available to poor deserving students on long term loans. To begin with the Commission decided to give assistance under this scheme only to those selected non-professional Arts/Science/Commerce colleges included under section 2(f) of the U.G.C.Act which have a minimum of 500 students on roll. In the case of U.P.colleges this condition of minimum enrolment was relaxed to 270. The maximum grant payable under the scheme is Rs10,000/- and Rs15,000/- in case of under-graduate and post-graduate colleges respectively. Upto the end off March 1967 the Commission has paid grants amounting to Rs72.77 lakhs to 726 colleges-556 under-graduate and 170 post-graduate.

As, in addition to Arts/Science and Commerce colleges numerous requests for grants were also being received from professional colleges (viz. Agricultural, Medical, Technical, Law and Educational etc.) and other colleges with enrolment of less than 500 students, the Commission also agreed in principle (vide resolutions No.32 of 7.10.64 and No.63 of 4.8.1965) to extend the benefit of the scheme to cover all affiliated colleges professional and non-professional included under section 2(f) of the U.G.C.Act and particularly, the rural colleges on a preferential basis i.e. irrespective of the No. of students on rolls. Due to the difficult financial position it has however not so far been possible to extend the scope of the Scheme to cover all colleges included under section 2(f) of the UGC Act.

The number of colleges included under section 2(f) of the U.G.C.Act at present is about 2150 out of which grants have already been paid to 726 colleges upto the end of March, 1967. If the benefit of the scheme is extended to all the remaining (nearly) 1,400 colleges professional and nonprofessional irrespective of the No. of students on rolls, a total amount of Rs1.4 crores will be required for the remaining period of the fourth Five Year Plan (viz. at the rate of 10,000/- to 1400 colleges).

If the number of nearly 700 professional colleges is excluded from a total of 1400 colleges, which yet remain to be assisted, but the benefit of the scheme is extended to cover all non-professional colleges included under section 2(f) of the U.G.C. Act irrespective of the number of students on roll, a sum of Rs70 lakhs will be required during the remaining period of the Fourth Five Year Plan (viz. at the rate of Rs10,000- to 700 colleges.).

The allocation of funds made for the scheme at present is the budget estimates of the Commission for 1967-68 is only Rs8 lakhs, which is barely sufficient to meet the commitments already made under the scheme and also to assist a remaining few non-professional Arts/Science and Commerce colleges which have a minimum number of 500 students on roll.

In case however, the benefit of the scheme is extended only to rural colleges (nearly 200 in number) on a priority basis, as desired by the Commission in their meeting held on 4th August, 1965 (resolution No.63) at least an additional sum of Rs20 lakh will be required to assist such colleges during the remaining period of Fourth Five Year Plan.

It may also be stated that a proposal has also been recently received from the Govt. of India in the Ministry of Education for payment of direct subsidy to college students for purchasing Text Books for the implementation of which the Govt. proposes to provide a sum of Rs50 lakhs annually to the Commission. A separate item in respect of this proposal is being submitted to the Commission.

The matter is placed before the Commission for consideration.

E.O.(G)

E.O(G)

Meeting:  
Dated 5th July, 1967.

Item No. 30: To consider the period for which assistance may be given to the universities towards staff appointed under the General Education Scheme.

....

The Commission at its meeting held on 4th December, 1965 approved the recommendation of the Standing Advisory Committee on General Education regarding the appointment of Co-ordinators in the Reader's scale for the implementation of the programme of General Education in the universities (Resolution on additional item No.7). Accordingly, posts of Co-ordinators in General Education were sanctioned in the universities of Baroda, Panjab, Banaras, Jadavpur, Nagpur and Kashi Vidyapith. The Commission at its meeting held on 1st April 1964 also agreed to the proposal of the M.S. University of Baroda for the creation of two posts of Lecturers for General Education in addition to the post of Co-ordinator (Resolution No.6).

Later, the Commission, at its meeting held on 2nd December, 1964 agreed that assistance to the universities for the post of Co-ordinators will be for 5 years and that as this would be an experimental project no assurance be asked from the universities to continue the posts after the period when the University Grants Commission assistance ceases (Resolution on additional item No.3).

Assistance of the Commission under development schemes involving recurring expenditure approved during the Third Plan period is available to the universities for a period of five years beginning from the financial year in which the scheme is sanctioned, irrespective of the date of implementation of a particular scheme.

Some universities have represented that the period of assistance under the General Education programme should not be identical with the date upto which Commission's assistance is available for Third Plan development schemes, as the General Education Scheme was implemented three or four years after the commencement of the Third Plan period. The dates on which sanction for recurring assistance under the General Education Scheme was conveyed to the universities are indicated in the attached statement (Annexure I).

It is for consideration if the assistance of the Commission towards staff appointed under the General Education Scheme is provided for the same period as for Third Plan developments posts or for a period of five years from the date of implementation of the scheme as indicated in the Commission's resolution of December 2, 1964 cited above. In the latter case, an additional expenditure of about RS.2 lakhs would have to be incurred on the scheme.

The matter is placed before the Commission.

E.O(H)/D.O(H)



Staff sanctioned for the development of General Education in the Universities.

<u>University</u>	<u>Post Sanctioned</u>	<u>Date of sanction</u>
1. Banaras Hindu University	Co-ordinator (1)	7.1.1965
2. Nagpur University	Co-ordinator (1)	11.8.1965
3. M.S. University of Baroda.	Co-ordinator (1) Lecturers (2)	22.8.1964 4.7.1964
4. Panjab University	Co-ordinator (1)	20.7.1964
5. Jadavpur University	Co-ordinator (1)	19.4.1965
6. Kashi Vidyapith	Co-ordinator* (1)	7.4.1965

\* Later, the Commission agreed to the creation of an additional post of lecturer in General Education to assist the Co-ordinator who would be paid an allowance of Rs.200/- p.m.

Meeting:  
Dated 5th July, 1967.

Item No. 31: To consider the question of permitting the State Universities and the Institutions deemed to be universities to give advance increments to teachers on their first appointment against approved posts.

....

The University Grants Commission has permitted the Central Universities to give upto 5 advance increments on the minimum of the of the scale of various categories of academic staff appointed against posts approved by the Commission, iff such increments are recommended by the Selection Committees and approved by a competent body of the university. This decision was taken in December, 1956 on the recommendation of the Review Committee of the Delhi University which had made the following recommendations:

/five ".....while appointing the staff of the university, the university should be free to give advance increments on the minimum of the scale in each category of suitably qualified persons but any proposals fixing the salary at a higher level should be referred to the Commission for sanction."

The Commission has not so far extended the same discretion to State and Institutions deemed to be universities, from whom proposals are received from time to time for permission to give advance increments to the staff appointed against U.G.C. posts. These proposals are always supported by the recommendations of the Selection Committees and other appropriate bodies.

It may be mentioned in this connection that the Indian School of International Studies has been given general approval by the Ministry of Education to give upto 5 advance increments in the case of fresh appointments.

The School has asked for a reciprocal facility from the Commission in respect of development posts. It is for consideration whether the discretion of giving five advance increments on the minimum of scale of various categories of staff approved by the Commission may be given to the State Universities and Institutions deemed to be universities also.

The matter is placed before the Commission for orders.

E.O(H)/D.O(H)

Meeting:  
Dated 5th July, 1967.

Item No. 32: To consider the report of the Committee appointed by the University Grants Commission to review the working of the 4-year integrated course for the training of Science and Mathematics Teachers at Sardar Patel University.

...

The University Grants Commission appointed a Committee consisting of the following members to review the working of the 4 year integrated course for the training of science and mathematics teachers at Sardar Patel University:

1. Shri J.P.Naik,  
Adviser,  
Ministry of Education.
2. Prof.P.K.Roy,  
Principal,  
Central Institute of Education,  
Delhi.
3. Dr.R.N.Rai,  
Head, Science Education Department,  
N.C.E.R.T.
4. Dr.S.N.Saraf,  
Director,  
Education Division,  
Planning Commission.
5. Dr.J.N.Kaul,  
Development Officer,  
University Grants Commission

This review was necessitated by the uncertainty of funds which were to be provided to the University Grants Commission by the Ministry of Education for implementing the scheme during the Fourth Five Year Plan. The terms of reference of the committee included inter-alia (a) review of the basic assumptions underlying the scheme (b) a review of the present position of the scheme at Sardar Patel University (c) suggesting ways in which the scheme could be modified to ensure better results with the minimum of expenditure.

The members of the committee visited the Sardar Patel University on May 12, 1967. The report of the committee is attached (Annexure I). The main observations and recommendations of the committee are as under:

(i) While there is an urgent need to expand facilities for the training of science and mathematics teachers, an overwhelming majority of such teachers will have to be trained in the existing training colleges and university departments of Education.

(ii) The Four year course for the training of science teachers can at best be a marginal experiment in view of the high costs involved and also because it would be difficult to get students to commit themselves to be secondary school teachers immediately after they pass higher secondary or equivalent examination.

(iii) The per capita cost of a trained teacher graduating after taking the 4 year course at Sardar Patel University would be Rs.8,000 as against Rs.2300 in the existing arrangement (3 year B.Sc. course followed by 1 year B.Ed. course) on the assumption that the cost per student is Rs.500 a year at the B.Sc. stage and Rs.800 at the B.Ed. stage.

(iv) The first year batch of students at Sardar Patel University does not have a single student who has passed the qualifying examination with first division.

Sardar

(v) The choice of Sardar Patel University for implementing the 4-year course was not happy in view of the fact that the university did not have any provision for undergraduate studies in science at the university headquarters. This has necessitated creation of entirely new facilities.

(vi) The implementation of the scheme at Sardar Patel University has created invidious distinction between groups of students in regard to the number and value of scholarships and also in regard to exemption from tuition fees.

Assuming that necessary funds would be made available by the Ministry of Education to the University Grants Commission for supporting the scheme for the rest of the plan period, the committee has made the following recommendations with regard to the re-organisation of the course and its cost-pattern:

(i) The curriculum of the first three years of the 4 year integrated course should be the same as is prescribed by the university for the first three years of the normal B.Sc. course. At the end of the third year the students should appear for the normal B.Sc. course of the university. Some elements of the B.Ed. course may be introduced in the third year and this should be a major programme of study in the Fourth and final year. Admission to the 4-year should be open only to those students who complete the three year B.Sc. course with a specified percentage of minimum marks.

(ii) Academic and administrative responsibility for running the B.Sc. and B.Ed. programmes of the 4 year course may be delegated to the concerned science departments and the College of Education respectively.

(iii) The intake of students to the first-year course may be limited to 60. This will ensure maximum utilisation of space and equipment.

(iv) To attract talent to the 4-year course, admission to the 60 seats of the Third-year course may be thrown open to all the second year B.Sc. students of all the undergraduate colleges of the university. This will enable the university to have a wider choice of selection and the candidates would be more mature to choose their profession intelligently.

(v) The value of scholarships in the first three years should be Rs.50/-p.m. and in the fourth year Rs.60/-p.m. This is in conformity with the pattern available in the university. In the first and second years 15% of the students may be eligible for scholarships provided no scholarship is given to a student who does not have a second class in his last university examination. In the third and fourth years all students who get a second class in their last university examination may be awarded a scholarship.

(vi) Normal fee prescribed by the university for the various classes of B.Sc. course should be levied on the students of the 4-year integrated course. Fee income may be used for running expenditure on the scheme and for maintenance of laboratories.

(vii) The University may appoint 2 Readers, 1 Lecturer and 2 Demonstrators in 1967-68. A further provision of 2 Readers, 2 Lecturers and 2 Demonstrators would be necessary in 1968-69. Provision may also be made for 3 Lab. Assistants during 1967-68. During the final year of the course (1969-70) 3 Lecturers may be appointed for education courses.

(viii) A built up area of 2400 sq.ft. may be provided for science laboratories.

(ix) A hostel for at least 120 students would be necessary.

(x) The question of providing staff quarters for teachers of the 4-year course may be postponed for the present. Some provision for running the office of the 4 year course would be necessary.

The total cost of the scheme as worked out by the NCERT for the 5 year period, 1966-67, to 1970-71 is Rs.42.91 lakhs. Of this, the U.G.C. has already approved an expenditure of Rs.2.30 lakhs for 1966-67. If the recommendations made by the committee are accepted by the Commission, the total cost of the scheme over the 4 year period 1967-68 to 1970-71 will be Rs.16,41,920/- (Rs.8,69,920/- (R) + Rs.7,72,000(NR) ). Details of the cost worked out by the committee are attached (Appendix I of the report).

It is understood that the State Government of Gujarat has not yet made any commitment towards the continuation of this scheme after the Fourth Plan period. Pending the consideration of the committee's report by the Commission, the Sardar Patel University has been permitted to admit 50 to 60 students to the first year of the course in the current academic session on condition that this will not involve any commitment on the part of the U.G.C. to support the programme on a permanent basis.

The Committee has observed that there are now six experiments of integrated courses for the training of teachers, four at the 4 regional colleges of Education and one each at Kurukshetra and Sardar Patel University. The Committee has recommended a thorough review of this experiment by a joint committee of University Grants Commission and the NCERT. It has been further recommended that integrated courses for the training of teachers may not be implemented till the report of this joint committee is considered by the Commission.

The matter is placed before the Commission for consideration.

....

Report of the Committee appointed by the University Grants Commission to review the working of the 4-year integrated course for the training of science and Mathematics Teachers at Sardar Patel University.

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The University Grants Commission appointed a committee consisting of the following members to review the working of the 4-year integrated course for the training of science and mathematics teachers at Sardar Patel University:-

1. Shri J.P. Naik,  
Adviser,  
Ministry of Education.
2. Prof. P.K. Roy,  
Principal,  
Central Institute of Education,  
Delhi.
3. Dr.R.N. Rai,  
Head, Science Education Deptt.  
NCERT
4. Dr.S.N. Saraf,  
Director,  
Education Division,  
Planning Commission
5. Dr.J.N.Kaul,  
Development Officer,  
UGC.

2. This review was necessitated by the uncertainty of funds which were to be provided to the University Grants Commission by the Ministry of Education for implementing the scheme during the IV Five Year Plan. The terms of reference of the committee included inter alia (a) a review of the basic assumptions underlying the scheme (b) a review of the present position of the scheme at Sardar Patel University (c) suggesting ways in which the scheme could be modified to ensure better results with the minimum of expenditure.

3. The members of the committee visited the Sardar Patel University on May 12, 1967 and discussed the basic principles of the scheme and its working with the Vice-Chancellor of the University and the members of the teaching staff who were responsible for conducting the course. The Committee went round the building of the College of Education and visited the site on which the hostel sanctioned by the University Grants Commission for this scheme is being constructed. The final meeting of the committee was held on 17.5.1967 in the UGC office. Shri K.L. Joshi, Secretary, UGC, Shri L.S. Chandrakant, Joint Director, NCERT and Dr.P.J. Philip, Joint Secretary, UGC attended the meeting for a short while by invitation. Dr. Saraf and Dr. Rai could not attend the final meeting.

4. We recognise that there is an urgent need to expand facilities for the training of science and mathematics teachers. It is understood that 1,46,000 science teachers are needed for 8th, 9th, 10th and 11th classes of our high and higher secondary schools. This really means that science graduates have to be produced in large numbers. It may be stated, however, that an overwhelming majority of the science teachers will have to be trained in the existing training colleges and university departments of education through a 1-year course after the B.Sc. degree. The 4-year course for the training of science teachers can at best be a marginal experiment, as it would be difficult to get students to commit themselves to be secondary school teachers of science

immediately after they pass Higher Secondary or the P.U.C. examination. The following comments of the Education Commission (1964-66) are relevant in this connection:-

"...it is obvious that these integrated courses, even when developed to their fullest potential, can only provide a very small proportion of the total number of trained teachers required at the secondary stage, (estimates vary from 5 to 10 per cent) on account of the heavy expenditure involved therein. We feel that it would be wrong to place an undue emphasis on such marginal experiments and that, from the point of view of raising standards in teacher education, it would be better to concentrate on improving the professional 1-year course following the first or the second degree" (Page 73)

5. The per capita cost of a trained teacher graduating after taking the 4-year course will be about Rs. 8,000/- on the present basis of expenditure at Sardar Patel University. In the alternative arrangement, the per capita cost of a trained science graduate would be Rs. 2,300/- only on the assumption that the cost per head is Rs. 500/- a year at the B.Sc stage and Rs. 800/- at the B.Ed. stage. The difference is due to scholarships and on account of higher costs of staffing pattern adopted, etc. On this ground alone the working of the scheme needs close scrutiny even if funds are available for running this kind of integrated course at Sardar Patel or any other university.

6. We understood that the Delhi University which was also requested by the NCERT to implement the scheme from 1966-67 session did not see much academic and professional advantage in this method of training of science teachers. The main difficulty of the Delhi University



in accepting the scheme was that the assumption that academic studies can be meaningfully integrated with professional programme right from the beginning of the 4-year course is yet to be demonstrated. Moreover, there is not much evidence to indicate that students can make an intelligent choice of their profession immediately after passing the higher secondary or equivalent examination. The assumption that all the graduates of this course will join the teaching profession is also untenable, especially in view of the fact that there is no legal binding on them to do so. We also noticed that the first-year batch of students at Sardar Patel University did not have a single student who had passed the qualifying examination with first division.

7. We believe that the choice of Sardar Patel University for implementing the 4-year integrated scheme for the training of science teachers was not happy in as much as the university did not have any provision for undergraduate studies in science or in any other course at the university headquarters. This has and will necessitate creation of entirely new physical facilities abinitio for the 4-year course with consequent increase in the total cost of the scheme.

8. The scheme as implemented at the Sardar Patel University has created invidious distinction between groups of students of similar status and academic background. Scholarships of the value of Rs.75/-p.m. given to every student who is admitted to the 4-year integrated course are not available to students of

similar or superior ability who are studying in other courses of the university. The value of the few scholarships available to M.A/M.Sc. students in the university is Rs.60/-p.m. in the first year and Rs.75/-p.m. in the second year. Again, exemption from tuition fee is enjoyed by all students of the 4-year integrated course while such concessions are not available to students of any other course offered by the university.

9. We had an opportunity of discussing this question on 17th May, 1967 with the representative of the Ministry of Education. It was suggested that it may be possible for the Ministry of Education to make available to the University Grants Commission a separate allocation of Rs.12.00 lakhs to enable the Commission to meet its commitment of 1966-67 and to continue its support towards the scheme for 1967-68. From 1968-69, the University Grants Commission should propose additional allocations for the scheme from the separate provision of Rs.2 crores which has been made in the Fourth Plan for this scheme and which would be placed at the disposal of the University Grants Commission.

10. We recognise that the 4-year integrated course has been introduced in the Sardar Patel University and it would be wrong to wind up the experiment at this stage. But we do suggest that it should be gradually modified. The question, therefore, is how best to re-organize the whole course so as to get the best out of it.

11. Assuming that necessary funds would be made available to the University Grants Commission for

supporting the scheme, we make the following recommendations with regard to its re-organization and the cost-pattern:-

(i) Under the scheme of the 4-year integrated course, the university is awarding two degrees to successful candidates, namely, B.Sc. and B.Ed. We see no merit in creating a fresh category of B.Sc. graduates who might suffer a disadvantage on account of being the graduates of the 4-year integrated course. We, therefore, recommend that the curriculum of the first three years of the 4-year integrated course should be the same as prescribed for the first three years of the normal B.Sc. course. At the end of the third year, the students should appear for the normal B.Sc. course of the University. Some elements of the B.Ed. course should be introduced in the third year; and it should be intensively completed in the fourth year. The admission to the fourth year should be open only to those students who complete the three-year course successfully and with a specified percentage of minimum marks. The advantage of this arrangement would be that students who do not desire to continue the professional part of the course may discontinue at the appropriate stage or take up M.Sc. course. Academic and administrative responsibility for running the B.Sc. and B.Ed. programmes may be delegated to the concerned science departments and the college of Education respectively.

(ii) The intake of students to the first year course may be reduced from 100 to 60. This will provide three

units of 20 students each for the purpose of practicals. During the 3rd year these three units will keep the laboratory engaged for about 12 hours a day. This will ensure maximum utilization of space and equipment.

(iii) We share the anxiety of those who wish to attract talent to the teaching profession. This could be done by selecting for the 60 available seats of the III year course the best candidates from among those who pass the II year B.Sc. in all the undergraduate colleges of the university. The merit of this suggestion is that the university will have a wider choice of selecting the candidates and the candidates would also be more mature to choose their profession intelligently. We understand that there are about 2100 students in the undergraduate science colleges at Anand. It should be possible for the university to attract good students to the third year of the 4-year integrated course especially when there is a scholarship available to every one who is selected. Provision may be made for absorbing those students of the second year course of the university who are not selected for admission to the III year of the 4-year course in the third year class of local colleges.

(iv) The scheme as implemented by Sardar Patel University envisages an outlay of Rs.11.40 lakhs on scholarships. A scholarship of the value of Rs.75/-p.m. for 12 months is to be given to every student who joins the course. We feel that the provision of scholarships

of this value and this proportion is totally unnecessary to the success of the scheme. We, therefore, recommend that:

- (a) The value of scholarships in the first three years should be Rs.50/-p.m. and that in the fourth year, Rs.60/-p.m. This is in conformity with the pattern of scholarships available in the university.
- (b) In the first and second years, 15% of the students should be eligible for scholarships, provided that no scholarship should be given to a student who does not have a second class. In the third and fourth years, all students who get a second class should get a scholarship.
- (c) The commitment made by the university to the present batch of students in respect of the scholarship of Rs.75/-p.m. may be modified, if possible. We leave the matter to the university authorities to decide.

(v) It would not seem to be appropriate to make any unnecessary distinctions with regard to fees between groups of students of similar ability and similar status in the university. We, therefore, recommend that the facilities of concession in fees available to students of the 4-year course should not be markedly different from those available to other groups of students. Normal fees prescribed by the university for the various classes of the B.Sc. course should be levied on the students of the 4-year integrated course. Fee income may be used for running expenditure on the scheme and for maintenance of laboratories.

(vi) We discussed with the Vice-Chancellor the staffing pattern for the first three years of the B.Sc. course and the final year B.Ed. course. It was suggested that it should be generally the same as is prescribed by the University for its undergraduate course in science and the B.Ed. course. The staff provided in the original scheme of the 4-year integrated course is 7 Readers and 26 lecturers in the final year and the staff now estimated by the Vice-Chancellor for running this course in the modified form suggested by us is 3 Readers, 15 lecturers, 3 instructors, 13 demonstrators and 6 lab. Assistants in the III year. It will be noticed that the original scheme does not provide for any instructors, demonstrators and laboratory Assistants, perhaps on the ground that practical work in the laboratories should be a cooperative endeavour of

the students and the teachers and that no special staff should be engaged for this purpose. We generally agree with this view. We have calculated that during the first year six lecture periods would be required for each of the four branches of science and laboratory work in Physics, Chemistry and Biological sciences would need another 54 periods. On this basis, the teaching load in the first year would be 78 periods, in the second year 156 periods, and in the third year 234 periods per week, including practicals for three units of 20 students in each year. The university has already appointed 8 lecturers, five of whom are in science subjects. During the second year provision may be made for 2 Readers one lecturer and 2 demonstrators and during the third year a further provision of 2 Readers two lecturers and 2 demonstrators would be necessary. Thus in the third year of the B.Sc. course there will be 4 Readers, 8 lecturers and 4 demonstrators. At the rate of 18 periods per demonstrator, 15 periods per lecturer and 12 periods per Reader, the University can arrange with the staff suggested by us 150 period per week during the II year and 240 periods per week during the III year (including practical periods). We further recommend that 3 laboratory Assistants may be provided during the second year, one for each of the three laboratories. During the final year of the course the university may appoint three lecturers in the College of Education to provide instruction in the B.Ed. course under this scheme.\*

(vii) The lecturers already appointed for the scheme should be seconded to appropriate departments of the university, subject to the condition that their hours of work etc are regulated on the basis of teaching at the undergraduate stage.

(viii) If these suggestions are accepted there should be no need for a new college building for the 4-year course. The university may rationalise the use of the building of its College of Education and find space for lecture classes in this building. Three laboratories, one each for Physics, Chemistry and Biological sciences each with an area of 800 sq. ft. (at the rate of 40 sq. ft per student for 20 students) would meet the requirements for science practicals. A built-up area of 2400 sq. ft. adjacent to the existing science laboratories may be approved for the science laboratories of the 4-year course.

(ix) The University had agreed to provide out of its own sources hostel accommodation for 50% of the total intake of 400 students. With an intake of 60 students per year as suggested by us the optimum number of students in the 4-year integrated course will be 240. The university should provide hostel facilities for 50% of this intake i.e. for 120 students and the rest of the required accommodation may be provided by the University Grants Commission.

(x) We discussed with the Vice-Chancellor the question of providing staff quarters for the teachers of the 4-year integrated course. He agreed that



consideration of this question could be postponed.

(xi) It is not necessary to have a separate office establishment for the running of the course. We, therefore, feel that one senior clerk, one typist and one library Assistant and 4 peons would be sufficient for smooth working of the course.

(xii) If the above suggestions are accepted, the future of the 4-year integrated course at Sardar Patel University will be assured as it will be in line with other university programmes. Our proposals cover the financial implications of the scheme till the end of the Fourth Plan. We would like the University to take up the matter with the State Government and to place the scheme on a permanent footing.

(xiii) The total cost of the scheme as worked out by the NCERT for the 5 year period 1966-67 to 1970-71 is Rs.42.91 lakhs. Of this the University Grants Commission has already approved an expenditure of Rs.2.30 for 1966-67. If the recommendations made by us are accepted by the Commission, the total cost of the scheme over the 4 year period 1967-68 to 1970-71 will be Rs.16,41,920/- (Rs.8,69,920/- R + Rs.7,72,000/-NR). Details of cost worked out by us are attached (Appendix I).

(xv) There are now six experiments of integrated courses for the training of teachers, four at the four Regional colleges of Education and one each at Kurukshetra and Sardar Patel Universities. It would be advisable to have a thorough review of this experiment before the University Grants Commission or any other

agency sponsors such integrated courses for the training of teachers. The University Grants Commission and the NCERT may set up a joint Review Committee to look into this question.

These recommendations were discussed with the Vice-Chancellor of Sardar Patel University. We wish to thank him for the kindness and courtsey with which he received us and the cooperation that he gave us in our work.

APPENDIX I

Financial implications of the recommendations of the Committee.

**A. Non-Recurring Expenditure**

1. Science laboratories 2400 sq.ft. at Rs.25/- per sq.ft.	Rs. 60,000/-
Add 20% for furniture & fittings	Rs. 12,000/-
2. Hostel for 120 students at Rs.4,000/-per seat.	Rs.4,80,000/-
3. Equipment	Rs.1,50,000/-
4. Furniture	Rs. 20,000/-
5. Books.	Rs. 50,000/-
Total:	<u>Rs.7,72,000/-</u> (NR)

**B. Recurring Expenditure**

**(a) Teaching Staff**

**i. (1967-68) for four years**

2 Readers	Rs. 96,000/-
9 Lecturers	Rs.2,52,000/-
2 Demonstrators	Rs. 40,000/-
3 Lab. Assistants.	Rs. 14,400/-
	<u>Rs.4,02,400/-</u>

**ii. (1968-69)- for three years**

2 Readers	Rs. 72,000/-
2 Lecturers	Rs. 42,000/-
2 Demonstrators	Rs. 30,000/-
	<u>Rs.1,44,000/-</u>

**iii. (1969-70) - for 2 years**

3 lecturers	Rs. 42,000/-
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Total i + ii + iii = Rs.5,88,400/- (a)

**(b) Clerical Staff for 4 years**

1 Senior clerk	Rs. 12,040/-
1 Senior Typist	Rs. 12,040/-
1 Senior Library Assistant	Rs. 11,640/-
	<u>Rs. 35,720/-</u> (b)

**(c) Scholarships (1967-68)**

For 59 students @ Rs.50/-for 12 months Rs. 35,400/-

1968-69 for 68 students @ Rs.50/-for 12 months. Rs. 40,800/-

1969-70 for 78 students @ Rs.50/-and for 50 students @ Rs.60/-p.m. for 12 months. Rs. 82,000/-

1970-71 for 78 students @ Rs.50/-and for 60 students @ Rs.60/-p.m. for 12 months. Rs. 87,600/-

Total: Rs.2,45,800/- (c)

Total Recurring a + b + c = Rs.8,69,920(R)

Total Non-recurring + Recurring = Rs.16,41,920/-

UNIVERSITY GRANTS COMMISSION

113

Meeting:

Dated 5th July, 1967.

Item No. 33: To consider the proposal of the Bharatiya Vidya Bhawan for financial assistance for organising a Camp for the Universities for an intensive study of the problem of ethical and spiritual values as the basis of national integration.

....

The Bharatiya Vidya Bhavan, in collaboration with the Gandhi Samarak Nidhi and the Ramakrishna Mission, Institute of Culture, sometime ago held a colloquium at Bombay on "Ethical and Spiritual values as the basis of national integration". Thereafter, a meeting of the Continuing Committee of the colloquium was held at New Delhi. It was resolved to organize a camp for intensive study of the problem of ethical and spiritual values at the basis of national integration in all the universities for about 7 to 15 days in October this year. It is proposed to invite to the camp all the members of the Colloquium Committee, one representative from each university and one student representative from every college affiliated to the university. The President, Bharatiya Vidya Bhavan, Bombay has approached the Commission for financial assistance (not indicated) towards holding the camp.

It may be mentioned in this connection that the Commission's assistance is available only to the universities and their affiliated colleges and to institutions deemed to be universities. Bharatiya Vidya Bhavan does not belong to any one of these categories.

The matter is placed before the Commission for consideration.

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.34: To consider the following proposals received from the Ministry of Education:-

- (a) Starting diploma courses in Sanskrit for university students. p.115-116
- (b) Taking over of the Scheme of preparation of a Historical Grammar of Hindi Language and Literature by the Central Hindi Directorate. p.117-118
- (c) Payment of direct subsidy to college students for purchasing text books. p.119-122
- (d) Recognition of Associateship of Documentation Research and Training Centre as equivalent to the Degree of Master of Library Science. p.123-125

...

UNIVERSITY GRANTS COMMISSION

115

Meeting:

Dated 5th July, 1967.

Item No. 34(a): To consider the proposal of the Ministry of Education for Diploma courses in Sanskrit for University Students.

...

The Ministry of Education has sought the views of the University Grants Commission regarding the institution of Diploma Courses in Sanskrit for university students, particularly in respect of the following issues:

- (i) whether it would be advisable to institute Diploma Courses in Sanskrit for university students; and
- (ii) whether it would be possible for the University Grants Commission to meet the expenditure on instituting such courses.

The Central Sanskrit Board at its meeting held on 19th May, 1964 resolved that, "As and when requests are received from Universities for instituting Diploma Courses in Sanskrit (for students who have offered Sanskrit as a subject), they may be considered on merit. In the meanwhile, Secretary should collect detailed information regarding the availability of such courses in all the universities and the matter should then be referred to a Committee which will go into the details of the proposals and frame a model syllabus for the guidance of the universities."

A statement received from the Ministry of Education showing the present position of Diploma Courses in Sanskrit in the universities is attached (Annexure I). It will be observed that some universities viz., Delhi, K.S. Darbhanga, Shivaji and Kurukshetra, are already considering the question of instituting Diploma Courses in Sanskrit. A few other universities e.g. Aligarh, Rajasthan and Sardar Patel Universities are willing to start Diploma Courses in Sanskrit, if suitable grants non-recurring as well as recurring, are provided for the purpose.

The matter is placed before the Commission for consideration.

E.O(H)/D.O(H)

Statement showing the position in respect of provision:  
for a Diploma Course in Sanskrit in various Universities.

.....

- |     |  |  |
|-----|--|--|
| 1.  | Agra University                                | No provision   |
| 2.  | Aligarh Muslim University                      | The Academic Council of the University has decided to institute a Diploma Course in Sanskrit provided necessary funds are made available by the Government of India.   |
| 3.  | Bombay University                              | Does not conduct such course.  |
| 4.  | Delhi University                               | Does not conduct such course. The Department of Sanskrit is considering the question of introducing Diploma Course in Sanskrit on the lines of similar existing examinations in Hindi, Urdu and Modern European Languages. |
| 5.  | University of Gorakhpur                        | They can conduct such course.  |
| 6.  | Kameshwarsingh Sanskrit University, Darbhanga. | They are contemplating to start Diploma Course in the University. The scheme is under consideration.   |
| 7.  | M.S. University of Baroda                      | The University has an elementary course extending over three years and an advanced course called Diploma Course extending over 5 years.  |
| 8.  | University of Rajasthan                        | At present does not have a Diploma Course in Sanskrit. However, they would be interested in instituting such a course provided necessary financial assistance is given to them.  |
| 9.  | Sardar Vallabhbhai Vidyapith Gujarat.          | They have no provision. But they desire to start a certificate course in Sanskrit open to all the students of the University including Faculty other than Arts provided annual recurring grant is given.                   |
| 10. | Shivaji University                             | There is no provision for Diploma Course in Sanskrit. However, the matter will be placed before the Board of Studies in Sanskrit at its next meeting.  |
| 11. | S.N.D.T. Women's University, Bombay.           | Does not conduct any diploma course in Sanskrit  |
| 12. | Utkal University.                              | Has not introduced any Diploma Course in Sanskrit as yet and there is no possibility of introducing the same in near future.   |
| 13. | Kurukshetra University                         | No provision at present. A detailed scheme is being formulated and will be sent in due course.   |
| 14. | Punjabi University                             | No provision at present. It may, however, consider the question of starting Diploma Course in Sanskrit during the Fourth Plan  |

.....

UNIVERSITY GRANTS COMMISSION

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Meeting:

5th July, 1967

Item No:34(b) To consider the reply received from the Ministry of Education regarding taking over of the scheme of preparation of Historical Grammar of Hindi Language and Literature by the Central Hindi Directorate

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In December 1959, the University Grants Commission approved a scheme of the Banaras Hindu University for the preparation of historical grammar of Hindi Language and examination of the existing materials for the study of Hindi literature during the Second Plan period. The scheme was continued during the Third Plan period with the Commission's assistance. In 1965-66 the University requested extension of the Commission's assistance towards the implementation of the scheme upto 1967-68. The Commission decided that the University, in consultation with the U.G.C., may invite experts in Linguistics to go through the manuscripts and report whether the scheme should be continued further (Resolution 18 dated: 3rd November, 1965). The services of the staff employed under the scheme were extended upto 31st December, 1966.

In pursuance of the above resolution, the University appointed two sets of experts to evaluate the work done on 'Grammar Section and 'History Section' of the Scheme. While recommending the continuation of the scheme, the experts suggested major changes in the work already completed for publication and also suggested certain delimitations, extensions of enquiry and coverage of important source materials.

The reports of the two expert committees were considered by the Commission at its meeting held on 1st March, 1967. The Commission felt that it would help the progress of the scheme if it was taken over by the Central Hindi Directorate. The Commission also desired that the matter may be discussed with the Ministry of Education and in the meantime the period of the scheme be extended upto June 30, 1967 (Resolution 9 Dated: 1st March, 1967).

The Ministry of Education has informed that "the suggestion made by the Commission for the transfer of the above mentioned scheme from the Banaras Hindu University to the Central Hindi Directorate has been carefully considered by the Ministry, but it is regretted that it would not be possible for the Ministry to agree to the proposed transfer of the scheme as the Directorate has already enough work with respect to old projects which are still awaiting completion and the current and future work to take in hand."

The Banaras Hindu University has approached the Commission for further extension of the period of assistance from 1967-68 to 1969-70. This involves a total estimated expenditure of Rs. 3,41,680/-. Details of financial requirements are attached (Annexure I).

The matter is placed before the Commission for consideration.



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ESTIMATED BUDGET FOR THE NEXT THREE YEARS

	1	2	3
	1967-68	1968-69	1969-70
(1) <u>RECURRING GRANT</u>	Es.	Es.	Es.
1. Salary (Vide app.I)	1,01,202.00	1,03,560.00	1,05,918.00
2. Advisory Board	1,000.00	1,000.00	1,000.00
3. T.A. & other procurements of materials	2,000.00	2,000.00	2,000.00
4. Library Books & Journals.	2,000.00	2,000.00	2,000.00
5. Contingencies	2,000.00	2,000.00	2,000.00
	<u>1,08,202.00</u>	<u>1,10,560.00</u>	<u>1,12,918.00</u>

Rupees 3,31,680.00

(2) NON-RECURRING GRANT

For immediate purchase  
of needed books for both  
the sections.

10,000.00

Total: 3,41,680.00

(Rupees three lac forty one thousand six hundred eighty only).

Note: The estimated budget for the next three years is meant for the preparation of all the volumes of both the schemes - GRAMMAR AND HISTORY. It does not include the printing charges of the volumes.

Sd/- B.S. Vyas  
20.3.67  
Sd/- S.P. Singh  
20.3.67  
Dy. Director.

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.34(c): To consider a proposal received from the Ministry of Education for payment of direct subsidy to college students for purchasing Text Books.

...

The Government of India in the Ministry of Education have forwarded a copy of the draft scheme for giving subsidy to college students for purchasing books relevant to courses of studies which the Ministry of Education proposes that the University Grants Commission may take up for implementation. The details of the scheme as drawn up by the Ministry are contained in Appendix I attached.

The salient features of the scheme are given below:

1. The purpose of the proposed scheme is to give subsidy to students to enable them to purchase Text Books prescribed for their courses of study.
2. The implementing and the co-ordinating agency will be the University Grants Commission.
3. The Government of India will place at the disposal of the Commission a sum of Rs. fifty lakhs annually for disbursement to selected students through channels to be designated by the Commission. In addition to this the Government will also place at the disposal of the Commission a sum not exceeding Rs.1 lakh annually for administrative expenditure to be incurred on the implementation of this scheme.
4. The proposed scheme envisages to initially cover selected students at the first Degree level in all the affiliated colleges, but will exclude P.U.C. students.
5. The mode of selection and procedure for implementation of the proposed scheme is detailed in Appendix I of this note.

At the rate of Rs.50 lakhs per annum the total amount to be made available by the Government in the remaining four years of the current Five Year Plan alone comes to Rs.2 crores in addition to Rs.4 lakhs which will be provided towards the administrative expenditure for running the scheme.

In this connection it may be stated that it may be desirable to consider the following points:

- 1) Perhaps it may be desirable to include the post-graduate students in the scheme while excluding the P.U.C. students for the time being and leave details of the scheme to the Commission.

ii) The Ministry of Education may be requested not to lay down any prior condition till the scheme is fully examined in all its details by a Committee. The proposed Committee may have a representative of the Ministry of Education.

iii) While the Ministry of Education may provide a sum of Rs. 50 lakhs for 1967-68 plus administrative charges as proposed by it, they may be requested to provide grants on a much larger scale in subsequent years in order that benefit of the scheme may accrue to a larger number of students.

The matter is placed before the Commission for consideration.

UNIVERSITY GRANTS COMMISSION

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Meeting:

5th July, 1967

Item No: 34(c) : To consider a proposal received from the Ministry of Education for payment of direct subsidy to college students for purchasing Text Books.

The Government of India in the Ministry of Education have forwarded a copy of the draft scheme for giving subsidy to college students for purchasing Text Books, which the Ministry of Education proposes to implement through the University Grants Commission. The details of the scheme as drawn up by the Ministry are contained in Appendix I attached.

The salient features of the scheme are given below:-

1. The purpose of the proposed scheme is to give subsidy to students to enable them to purchase Text Books prescribed for their courses of study.
2. The implementing and the co-ordinating agency will be the University Grants Commission.
3. The Govt. of India will place at the disposal of the Commission a sum of Rs. fifty lakhs annually for disbursement to selected students through channels to be designated by the Commission. In addition to this, the Govt. will also place at the disposal of the Commission a sum not exceeding Rs. 1 lakh annually for administrative expenditure to be incurred on the implementation of this scheme.
4. The proposed scheme envisages to initially cover selected students at the first Degree level in all the affiliated colleges, but will exclude P.U.C. students.
5. The mode of selection and procedure for implementation of the proposed scheme is detailed in Appendix I of this note.

At the rate of Rs. 50 lakhs per annum the total amount to be made available by the Government in the remaining four years of the current Five Year Plan alone comes to Rs. 2 crores in addition to Rs. 4 lakhs which will be provided towards the administrative expenditure for running the scheme. It may be mentioned in this connection that the Commission has at present a scheme for providing limited assistance to non-professional Arts/Science and Commerce colleges for the establishment of Text Book libraries. The maximum grant payable under this scheme is limited to Rs. 10,000/- and Rs. 15,000/- for undergraduate and postgraduate colleges respectively. The grant under the scheme is however payable only to those Arts/Science/Commerce colleges which have at least a minimum number of 500 students in rolls, (in case of U.P. colleges the limit of number of students has been relaxed to 270). This scheme was started by the Commission towards the end of 1963-64 and between the years 1963-64 and 1966-67 grants totally over Rs. 72 lakhs have been paid to more than 700 colleges out of a total number of nearly 2150 colleges approved under Section 2(f) of the U.G.C. Act. As pressing requests for grants are continuing to be received from so many other colleges the question regarding the relaxation of the Commission's Scheme, so as to cover all the colleges included under Section 2(f), (professional and non-professional irrespective of the number

(120)

of students on roll) has been engaging the attention of the Commission, but due to paucity of funds it has not so far been possible for the Commission to extend the benefit of the scheme to all approved colleges as a separate item.

The matter is placed before the Commission for consideration.

E.O.(G)

**SCHEME FOR PAYMENT OF SUBSIDY TO COLLEGE  
STUDENTS FOR PURCHASING TEXTBOOKS**

**I. INTRODUCTION**

A major problem facing education in India, especially at the university level, is the non-availability of reasonably priced textbooks. As a measure to counteract the difficulties faced by students, the Government of India has undertaken a number of schemes in collaboration with foreign Governments to provide standard books by foreign authors at reduced rates. A scheme for republication of low priced editions of standard works by Indian authors is also being operated by the Ministry. To further assist bonafide students directly to buy textbooks, the Government has considered it necessary to institute a scheme for payment of a subsidy to students to enable them to purchase textbooks prescribed for their courses of study. In view of the limited funds available, the scheme has inevitably had to be restricted to selected students.

**II AGENCY:**

The implementing and coordinating agency will be the University Grants Commission.

**III. FUNDS**

The Government of India will place at the disposal of the UGC funds to the extent necessary, but not exceeding Rs. 1 lakh annually for administrative expenditure to be incurred on the implementation of this scheme. A further sum of Rs. 50 lakhs will be placed at the disposal of the UGC annually for disbursement to selected students through channels to be designated by the UGC.

**IV. SCOPE**

The scheme may initially cover selected students at the First Degree level in all the affiliated colleges, but will exclude PUC students.

**V. MODE OF SELECTION**

All deserving students in each affiliated college shall be eligible for receiving assistance under the scheme, ten per cent of whom will be selected annually, mainly on the basis of merit; due consideration may, however, be given to their financial need (The exact conditions of eligibility and the procedure of selection may be framed by the UGC).

**VI. PROCEDURE FOR IMPLEMENTATION**

- a) Each students will be provided assistance in the form of book coupons upto Rs. 50/- on the basis of 50% of the cost of the textbook purchased by him;
- b) A brochure (to be prepared by the UGC) giving the various features of the scheme and the rules of its implementation may be circulated among all the universities and colleges;

- c) Book coupons brought out in denominations of Rs. 25/- under security printing by the State Bank of India, may be distributed to each university for further distribution among the affiliated colleges on the basis of their enrolments;
- d) After the scheme is given due publicity in the colleges, applications may be called for from students qualifying for assistance under the scheme;
- e) The Vice-Chancellor, or any other authority designated by him, may select students on the basis of the rules of eligibility and selection framed by the UGC;
- f) The selected students may draw up a list of the required textbooks to be purchased, duly approved and certified by the Heads of their Departments;
- g) The certified list may be presented to the Registrar who will issue the necessary coupons over his signature listing the books to be purchased on the counterfoils of the coupons;
- h) The students may present the coupons to University Cooperative Stores where these exist or to approved booksellers and take delivery of the approved textbooks after signing the coupons and paying their share of the cost of the textbook;
- i) The book coupons will be cashable immediately at par on presentation by the booksellers to any branch of the State Bank of India; and
- j) The State Bank of India will undertake the recounting every quarter and report to the University Grants Commission.

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.34(d) To consider a reference from the Government of India, Ministry of Education for the recognition of Associateship of Documentation Research and Training Centre as equivalent to the degree of Master of Library Science.

...

The Government of India, Ministry of Education had sent a proposal from the Documentation Research and Training Centre, Bangalore for the recognition of its associateship as equivalent to Master's Degree in Library Science awarded by Indian Universities. for the views of the University Grants Commission.

The Documentation Research and Training Centre, Bangalore was established in 1962 as a division of the Indian Statistical Institute, Calcutta to (i) organise continuing research in documentation: (ii) train documentalists in the methods of research documentation and (iii) give a course of training to documentalists for service within the country and also to extend this facility to the documentalists in other countries, particularly in the fast developing Afro-Asian countries. The course is of one and a half years duration. The objectives and provisions of the Associateship of the Documentation Research and Training Centre are stated to be based on the recommendations of the University Grants Commission Committee for Master's Degree course in Library Science and on the present practice in the University of Delhi for M.Lib. Sc. course. A comparative idea of the Associateship of the Documentation Research and Training Centre and Master of Library Science course is indicated in the Annexure.

The Standing Committee of the Inter-University Board of India and Ceylon to whom the matter was referred considered this matter on 28th February, 1967 and adopted the following resolution:

"Going by the evidence placed before it, the Committee felt that while the Associateship of Documentation Research and Training Centre was, no doubt different in emphasis and coverage from the Master's degree in Library Science, for purposes of employment the two can be equated, to the extent that this qualification may be suitable for specialists, particularly in Libraries dealing with Documentation".

It may however be added that the Documentation Centre is not a university department and its equivalence with the Master of Library Science Course for the purpose of employment in non-university section is a matter for the Government to consider in consultation with the U.P.S.C. The universities could consider the advice of the Inter-University Board for employment of the trained diploma holders according to the equivalence they could decide to give.

The matter is placed before the Commission for consideration.

A.F.C(CDN I)/D.S.(A)



Annexure

Comparative study of the Associateship of DRTC and Master of Library Science Course.

...

1. Scheme of Papers

<u>Associateship of DRTC</u>	<u>M.Lib. Sc.</u>
I. Universe of knowledge	I. Universe of knowledge
II. Depth Classification (Theory)	II. Depth Classification (Theory)
III. Depth Classification (Practice)	III. Depth Classification (Practice)
IV. Library Catalogue	IV. Advanced Library Catalogue
V. Research and Technical Library System	V.(a) Research and Technical Library System.  (b) Documentation
VI. Documentation	VI. Preparation of a documentation list on an approved topic on the basis of a set of approved periodicals for one year.
VII. A project in documentation	VII. Literature survey in one of the following fields:-  (c) A subject in Social Sciences  (d) One of the Pure Sciences  (e) One of the Applied Science eg. Civil Engineering, Electrical Engineering, Nuclear Engineering, Mechanical Engineering, Production Engineering, Chemical Engineering, Technology etc.  (f) Law  (g) Government Documents
VIII. A project in the survey of trend in current literature.	
IX. Record of Post-course apprenticeship;	
X. Viva Voce.	

2. Admission requirement

Associateship of DRTC

A candidate seeking admission to the course should ordinarily possess any one of the following minimum basic academic qualifications:

1. A University degree in one or other of the Natural Science, Applied Science or Social Science and a Diploma in Library Science.
2. M.A./M.Sc. or three-or Four-year Honours Degree in one or other of the Natural Sciences, Applied Science, or social sciences.
3. Recognised research or other work in documentation.

Admission to the course is strictly based on the merit of a candidate as judged by his academic record and if necessary, performance in a special admission test held for the purpose or a personal interview by a selection committee.

3. Duration of the Course

Associateship of DRTC

The course commences on 15 April, every year and continues till about 14 June the following year. The survey of trend in current literature is (Project 2) to be submitted within the six months after completing the formal course of fourteen months.

....

M.Lib. Sc.

Admission to this course requires:

1. Diploma in Library Science of the University of Delhi. or,
2. A postgraduate diploma or a Bachelor's degree in library science of any other university recognized as equivalent provided that such a candidate has obtained not less than 50% of the marks in the said diploma or degree examination and has passed (without less than 50% marks) as Admission Test in library Classification and Library Catalogue given by the department at the time of admission.

M.Lib. Sc.

One academic year.

UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated 5th July, 1967.

Item No.35: To consider a proposal of the Government of Andhra Pradesh regarding extension of the benefit of the salary revision scheme to the temporary teachers in Government Colleges.

....

The Commission at its meeting held on the 1st February, 1967 while considering the request of the Andhra Pradesh Government for extending the benefit of the University Grants Commission Second Plan scales to the temporary teachers in Government Colleges (Item No.46) desired that the State Government may be requested to intimate the total number of temporary teachers and the period for which they have been working in temporary capacity. According to the State Government the number of temporary teachers is about 650 and the period of their temporary service varies from 3 months to 6 years. The additional cost involved on the revision of salaries of these teachers is approximately Rs.4.00 lakhs per annum. A copy of the letter received from the State Government is attached as Annexure.

The matter is placed before the Commission for orders.

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Copy of a letter No.Rc.No.244-A2/66 dated 22nd April,1967 from Shri L.Bullayya, Director of Higher Education, Andhra Pradesh, Hyderabad addressed to the Secretary University Grants Commission, New Delhi.

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Subject: Revision of salary scales of teachers in Government Colleges - University Grants Commission - Scales of pay to temporary-teachers.

....

Ref: Your letter No.F.66-2/62(SS) dated 7.3.1967

....

With reference to your letter cited above I wish to inform you that there are 300 temporary Assistant Lecturers and 350 temporary Tutors and Demonstrators in Government Arts, Science and Training Colleges in this State. The period of their temporary service varies from 3 months to 6 years. The approximate additional cost incurred on the revision of their scales is about Rs.4.00 lakhs per year out of which half shall be borne by the University Grants Commission.

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.36: To consider further the proposal from the State Government of West Bengal for the development of Postgraduate Research and Training Department of Sanskrit College, Calcutta into an Indological Institute with the status of a 'deemed' university under the U.G.C. Act.

The University Grants Commission at its meeting held on 5th February, 1967 considered a proposal from the State Government of West Bengal for the development of Postgraduate Research and Training Department of Sanskrit College, Calcutta into an Indological Institute with the status of a 'deemed' University under the U.G.C. Act. A copy of the note placed before the Commission is enclosed. The Commission desired that the additional information may be obtained and the matter placed before the Commission at a later date.

On an enquiry from the Calcutta University about the nature of arrangement with the Government Sanskrit College and the reason for decline in the strength of the teaching staff, it has been indicated that the University teaching department of Sanskrit is not located in the Government Sanskrit College. Owing to shortage of space in the university building, arrangements have been made to hold classes in three groups of M.A. Sanskrit course in Government Sanskrit College. Each group consists of 4 special papers. The four compulsory papers which are common to all the groups and the special papers in other groups are taught in the university premises. The teaching arrangements for three groups are made with the help of teachers of the Sanskrit College who are appointed by the University as part-time honorary lecturers and there are five such posts. The number of teachers in each session depends up on the students taking up these courses.

The matter is placed before the Commission for consideration.

A.E.O.(CDN I)/D.S.(A)

## Annexure

To consider a proposal from the State Government of West Bengal for the development of Postgraduate Research and Training Department of Sanskrit College, Calcutta, into an Indological Institute with the status of a deemed university under the U.G.C. Act.

...

The University Grants Commission at its meeting held on 7th September, 1966 considered a proposal from the State Government of West Bengal for the development of Postgraduate Research and Training Department of Sanskrit College, Calcutta into an Indological Institute with the status of a 'deemed university' under the U.G.C. Act. A copy of the note placed before the Commission is enclosed. The Commission felt that after taking relevant things into consideration, it would be best if the development of Sanskrit studies are organised within the general framework of the Calcutta University. The proposed Institute of Indology should be given adequate autonomy and financial support to enable it to function effectively; but in the view of the U.G.C., it may not be in the best interests of Sanskrit studies to establish a separate Institute confined to this subject only and isolated from other disciplines and from the general life and work of the University.

The views of the Commission were communicated to the Government of India, Ministry of Education, and the State Government of West Bengal. The Chief Minister of West Bengal has again written to the Chairman, U.G.C. for considering a status of a deemed University under the U.G.C. Act for the Postgraduate Research and Training Department of the Government Sanskrit College, Calcutta. An extract from the Chief Minister's letter dated 15th November, 1966 to the Chairman, U.G.C. is reproduced below:-

"I am writing this letter in order to have your reaction in the matter of upgrading the Postgraduate Department of Research and Training at the Sanskrit College, Calcutta, into a separate University. In fact, the Department which has been functioning since 1950 independently of the University of Calcutta, was first created by the West Bengal Government for coordination of teaching between the Sanskrit College and the Presidency College of Calcutta. In taking this step, the Government must have visualised that in the changing circumstances, the growing apathy of the general run of students towards the study of a classical subject would surely undermine its advancement, and in order to obviate this unfortunate development, they quite rightly thought it proper to make some effective arrangements for the study and teaching of Sanskrit and Sanskritic subjects at the Sanskrit College, so that the rich heritage of Indian culture may not suffer from neglect and lack of interest.

The position of Sanskrit as envisaged in the 3-language formulae, as also its almost total non-recognition by the Education Commission, does not hold out any prospect for Sanskrit in the future curricular set-up. Consequently, it is felt that in future years, Sanskrit and, for the matter of that, any classical language, will not be chosen for study by our boys and girls in schools and colleges, as well as in our Oriental Departments.

In the context of what is said above, the decision of the Government of West Bengal in 1950 to start the Postgraduate Research

and Training Department and to nourish it since then with all possible support, was indeed a judicious one. It has been possible for the Research Department to coordinate between the methods of study, western and oriental, at this centre most effectively and to the best satisfaction of Indological scholars throughout the academic world.

In view of the fact that the relationship between this Department and the University of Calcutta has been for from happy and as the creation of a nucleus of an Indological Institute of great potentiality in this State is strongly felt, I would request you to consider whether this Department which has been functioning almost like a University, cannot be upgraded into an autonomous body, with the status of a University, under the University Grants Commission Act".

The matter is placed before the Commission for consideration. A comparative idea of the staff and students in the Sanskrit College, Calcutta and the Sanskrit Department of the University of Calcutta is given below:

Sanskrit College, Calcutta.

Year	Students			
	Undergraduate	Postgraduate	Research	Total
1963-64	147	-	-	147
1964-65	(Not available)			
1965-66	155	-	13 (D.Phil) +114 (Non-Univ. courses)	168

  

Year	Staff					Total
	Principal	Prof.	Asstt. Prof.	Lect.	Asstt. Lect.	
1963-64	1	5	8	14	3	31
1964-65	(Not available)					
1965-66	1	4	6	9	-	20 (+2 teachers for non-Univ. courses)

Sanskrit Department

Year	Students		
	M.A.	Research	Total
1963-64	208	4	212
1964-65	205	4	209
1965-66	187	8	195

  

Year	Staff			Total
	Professor	Reader	Lecturer	
1963-64	1	4	17	22
1964-65	1	4	14	19
1965-66	-	4	10	14

## Annexure

To consider a proposal from the State Government of West Bengal for the development of Postgraduate Research and Training Department of Sanskrit College, Calcutta into an Indological Institute with the status of a deemed university under the U.G.C. Act.

...

The Government of India, Ministry of Education have forwarded for the advice of the University Grants Commission a proposal from the Government of West Bengal for the development of Postgraduate Research and Training Department of the Government Sanskrit College, Calcutta into an Indological Institute for advanced studies and intensive research in Sanskrit and Sanskritic branches of Indology and conferring on it the status of a deemed university under Section 3 of the U.G.C. Act. A copy of the letter received from the Government of India alongwith a copy of the letter sent by the Government of West Bengal are enclosed as Appendices I and II. The State Government have also enquired the extent of grants that could be made available to the proposed institute by the University Grants Commission.

The Government Sanskrit College, Calcutta has been in existence for over 125 years and is affiliated to the University of Calcutta. The Postgraduate Department of the College came into existence in 1950 and has about 100 students on its rolls. The Department is stated to be manned presently by a number of Class I Professors, Associate Professors, senior and junior Research Fellows some of whom are also working in an honorary capacity. The Publication Department has brought out more than 50 volumes in texts and studies which have earned international recognition. The proposal for establishment of West Bengal Sanskrit University was forwarded to the Commission by the Ministry of Education and was placed before the Commission at their meeting on the 7th April, 1965. The proposal was submitted by the Vangiya Sanskrita Siksha Parishat of West Bengal. The association suggested that the Government Sanskrit College which is a postgraduate research and training department may constitute the first Constituent College of such a Sanskrit University. The three Government Colleges in the State may be declared as constituent colleges of this University. The Commission did not accept the proposal of the Vangiya Sanskrita Siksha Parishat for the establishment of a Sanskrit University.

The present proposal comes from the West Bengal Government and the Ministry of Education have asked for University Grants Commission's advice. This is a proposal not for establishment of a Sanskrit University but to deem the existing old college as a university under the U.G.C. Act.

The matter is placed before the Commission for consideration.



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Copy of letter No.F.17-4/66-U-2 dated 27.8.1966 from Government of India, Ministry of Education, New Delhi addressed to the Secretary, University Grants Commission, New Delhi.

...

Subject: West Bengal Indological Institute - Proposal of the West Bengal Government for its establishment and declaration as a "deemed" university under section 3 of the U.G.C. Act, 1956.

..

I am directed to say that the West Bengal Government have approached this Ministry with the proposal to establish an Indological Institute in the State by converting the existing Post-graduate Training and Research Department of the Government Sanskrit College. The State Government desire that the proposed Institute may be declared as a deemed University under Section 3 of the U.G.C. Act, 1956. An explanatory note received from the State Government in this behalf is enclosed. I am to request that the matter may please be considered by the University Grants Commission and their advice communicated to this Ministry at an early date.

...

Subject: West Bengal Indological Institute

It was in 1950 that the Government of West Bengal decided upon co-ordination of teaching between Sanskrit College and Presidency College and by its order No.4621-Edn dated 30.9.1950 provided for advanced studies and intensive researches in Sanskrit and Sanskritic branches of Indology by creating a Post-graduate Training and Research department as an integral adjunct to the institution. Since then for all practical purposes the character of the institution has been changed from an ordinary under-graduate college, to that of an institution for specialised Indian Studies.

During the last fifteen years of its existence this department has succeeded in abundant measure to give a reorientation to the traditional learning of the country by integrating it with the modern scientific methods of researches, has brought it in line with the advanced standards of study accepted throughout the world and has thereby assumed a status of international importance. At present there are six Professors, one Associate Professor and seven senior Research Fellows two of whom Honorary, to compose the department. The number of whole time research assistants is thirty-six, ten of whom are stipendiary. Besides, a number of Senior and Junior Research Fellows appointed by the University Grants Commission and created under the Commonwealth Scholarship Scheme are attached to this department to work under the guidance of our professors.

The progress of work undertaken and executed by the department during all these years has been steady and satisfactory and the institution has developed an individuality and purpose of its own, quite distinct from that of other institutions in the State. Its achievements may be briefly summarised thus:

- 1) The system of co-ordination between the traditional and the modern methods of study has been successfully implemented which can be borne out by the research work of the department already published.
- 2) Side by side with the postgraduate students of different universities, qualified students of the traditional schools are provided with facilities for higher research under the guidance of the professors in the department. They have been producing dissertations of high academic value and it is indeed remarkable that a considerable amount of talent has not only been saved from rot but has been utilised to fruitful ventures.
- 3) Since its inception the Department has been publishing a Research Journal entitled 'Our Heritage' with two issues a year which contains important monographs produced by the professors, fellows and research scholars of the department. The journal is recognised as one of the foremost Indological periodicals in present times.
- 4) From 1957 the department has taken up a programme of publication of Indological works in two series known as Calcutta Sanskrit College Series - Tests and Studies.

The list of publications includes fortyone titles with a number of others in the press. It is a matter of gratification that each one of them has earned encomiums from the academic world. During the last year a Lexicon Series has been introduced with the publication of Trilingual Dictionary (Sanskrit - Bengali - English).

- 5) Provision for the study of languages - German - Greek, Tibetan, Avestan, Sanskrit (Rapid course), is being usefully utilised by the members of the institution.
- 6) A number of foreign scholars have been admitted to this institution and guided in their studies on Indological subjects by the Professor in the Department, and more are coming in.
- 7) In recognition of the potentiality and efficiency of the department has been chosen by the Government of India as the only Indian Centre to collaborate with the Royal Danish Academy of Sciences and Letters Copenhagen, in their Critical Pali Dictionary Project. The University of Burdwan also has assigned to its Indological department the work of preparation of a volume of Cultural History of Bengal from the ancient times to date.

So it may be observed that the post-graduate training and research department of this institution is yielding satisfactory results and it may be hoped that given proper opportunities the department will play an important role in the academic field.

In spite of all these achievements we feel constrained to observe that this Department suffers from certain serious drawbacks and difficulties in its normal functioning that hinders its natural growth and fulfilment of its objective in the manner it should. As the department has been created by an executive order of the Government and has not been incorporated by any statute as a body-corporate, the status of the Department is rather rebuscular. It can neither function on its own authority nor is it affiliated to the University of Calcutta. Further, as the department is not endowed with the right to confer Degrees, Diplomas and Certificates to successful research students on the completion of their work, it has no other alternative but to seek the favour of the University in such matters. In that case, those students only who are eligible to undertake research work according to the rules of the University are considered for registration of their names whereas scholars of the traditional department and foreign scholars are excluded, however qualified they may be. Thus, much of the work done by the latter group of scholars goes unrecognised and they are not credited with any award for their work, however meritorious. Even in the case of Post-graduate scholars acceptable to the University, the Department has to wait upon the D.Phil. Board of the University which sits in judgement over the capability of the scholars concerned about the merit of their subjects proposed and also about the suitability of their guiding Professors. It may be mentioned that the reputed Professors in the Department have never been associated with the said D.Phil. Board and so the case of our scholars has sometimes gone by default. Thus the venture of our Government that has been spending money for the development of this Department through co-ordination of the two systems of learning obtaining in the country in the best possible manner and in the best interest of the community as a whole, does not appear to be fully rewarded.

It is, therefore, suggested that the Post-graduate Research and Training Department be endowed with statutory powers to carry on its affairs as an autonomous Institute of Indological studies conducting intensive study and conferring degrees and diplomas to successful scholars.

As it is the accepted policy of the Government that the power to confer degrees should be vested only in the Universities and other institutions of high standing, the Government may be pleased to take steps to get the proposed Institute Incorporated under Section 3 of the U.G.C. Act.

Thus, the functions of the proposed Institute will be: to conduct study and teaching of Indological subjects at the Post-graduate level, to prepare students of both the Anglo Sanskrit and the Traditional schools for their M.A. and Acharya Degree as well as to undertake research projects individually or collectively and guide suitable scholars in their research for doctorate degrees. The Institute will be able to draw on the services of specialised teachers of the Sanskrit College and its Tol to assist it in its teaching functions. It needs be mentioned in this context that neither the College nor the Tol is proposed to be merged with the proposed Institute. The College will continue to remain as a constituent College of the University of Calcutta and the Tol an affiliate of the Parishad.

When constituted as an Institute it will have the authority - (i) to undertake organised researches on different branches of Indology individually or by qualified groups of advanced scholars under the guidance of the Professors of the Institute; (ii) to conduct study and teaching of Post-Graduate, M.A., and Acharya courses on Indological subjects for the students of both the Anglo-Sanskrit and traditional systems. (Foreign scholars with requisite qualifications may also be admitted to the courses mentioned above). (iii) to undertake publication of texts and studies on Indological subjects and also of the journal of the Institute and to organise sale thereof; (iv) to confer degrees, diplomas and titles to successful candidates and to get the equivalence of the degrees diplomas and titles conferred by the Institute recognised by other Institutes and Universities in India and abroad.

...

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Copy of letter No.295-Edm.(CG)/40-54/66 Pt. dated 21st July, 1966 from the Government of West Bengal addressed to the Secretary, University Grants Commission, New Delhi.

...

I am directed to forward herewith copy of a 'note'\*

\*Enclosed with Appendix I.

prepared by Dr. Gourinath Sastri, Principal, Sanskrit College, Calcutta suggesting the establishment of an Indological Institute for advanced studies and intensive research in Sanskrit and Sanskritic branches of Indology. Certain brochures, booklets and other descriptive literature bearing on this proposal are also

\*\*Not enclosed

being enclosed.\*\*

Dr. Sastri has suggested that the Post-Graduate Research and Training Department of Sanskrit College, Calcutta be developed into an Indological Institute with statutory powers under section 3 of the University Grants Commission Act, 1956, to carry on its affairs as an autonomous Institution conducting study and research and conferring degrees and diplomas to successful scholars.

I am to request that the proposal may be considered by the Commission and their views regarding the establishment of the Institute and the grants which may be available from the Commission for the purpose may kindly be communicated to this Government at an early date.

....

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UNIVERSITY GRANTS COMMISSION.

Meeting:  
Dated 5th July, 1967.

Item No.37: To consider a proposal of the State Government of Bihar for the establishment of Mithila University by reorganising the existing K.S. Darbhanga Sanskrit Vishvavidyalaya, Darbhanga.

...

The Deputy Chief Minister Government of Bihar has sent a proposal for the establishment of Mithila University by reorganising the existing K.S. Darbhanga Sanskrit Vishvavidyalaya in the State. It has been pointed out that there has been a pressing demand from time to time from North Bihar for the establishment of Mithila University. Although there is already the K.S. Darbhanga Sanskrit Vishvavidyalaya existing in that area, it has been pointed out that it does not satisfy the aspirations of the people of the area. The State Government have already agreed in principle to the establishment of a University in Darbhanga. However, because of certain difficulties it has not been possible to make any progress in this regard. It has, further, been stated that during the course of the visit of the Union Education Minister to the State, the question of establishing the Mithila University had been discussed with him. The Education Minister had suggested that instead of establishing a new University it would be advisable to reorganise the existing K.S. Darbhanga Sanskrit Vishvavidyalaya which may provide facilities for various disciplines in addition to Sanskrit.

The State Government propose to appoint a Committee of eminent educationists to go into this question in all its aspects and advise the State Government after the views of the Commission have been received.

The matter is placed before the Commission for consideration.

A.E.O.(CDN I)/D.S.(A)

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated 5th July, 1967.

Item No.38: To consider a reference from the Government of India, Ministry of External Affairs, with regard to relations with organisations in South Africa.

....

The Government of India, Ministry of External Affairs have written to the Commission regarding their policy relating to research and academic contacts with parties in South Africa and have sought the cooperation of the University Grants Commission in putting a stop to correspondence with parties in South Africa by persons in India engaged in teaching or in research etc. An extract from the letter received from the Government of India is reproduced below:

"Because of the racial policies followed by the Government of South Africa, the Government of India have been constrained to withdraw all relations (diplomatic, commercial or cultural) with that country. They, therefore, also expect that no official or private organization in India should correspond with parties in South Africa with which the Government of South Africa is directly or indirectly concerned. It has, however, been noticed that a number of Indian nationals mostly engaged in teaching or in research, write to various authorities in South Africa making requests for samples, publications, photographs, etc. Such requests are generally complied with by the persons approached in South Africa through the Government of that country, who in turn invariably send the material asked for to us in this Ministry, for transmission to the parties concerned in India.

We have always fully subscribed to all resolutions passed by the United Nations requiring Member-States not to have any relations with South Africa. In these circumstances, it will be appreciated that approaches of the nature referred to above to parties in South Africa by Indian nationals could be a source of considerable embarrassment to Government and could be utilised as by our political detractors as a pretext for discrediting us. We have noticed that the number of such requests made by Indians is gradually on the increase and the Government of India therefore, request your cooperation in putting a stop to correspondence with parties in South Africa by persons engaged in teaching or in research etc., in your esteemed institution. It is hoped that you will be good enough to issue necessary instructions in the matter."

The Government of India seem to have written to the universities also. The Vice-Chancellor, Rajasthan University has asked for the views of the University Grants Commission in this regard and has also expressed the opinion that for purely academic purposes like exchange of journals or papers, it may not be desirable to put any kind of restrictions.

The matter is placed before the Commission for consideration.

AEO(CDN I)/D.S(A)

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 5th July, 1967.

Item No.39:- To consider the recommendations made at the meeting of the Scientists and members of the Institute of Industrial Engineers convened by the Planning Commission.

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The Planning Commission convened a meeting of small group of members of the Institute of Industrial Engineers and Scientists from non-profit earning agencies on 22nd and 23rd August, 1966. The minutes of the meeting embodied the following recommendations :-

- (1) Two Working Groups would be set up in the Planning Commission to consider problems relating to research and development in connexion with (a) metals and minerals and (b) machines and machine building.
- (2) The Perspective Planning Division of the Planning Commission would explore possibilities of preparing long term programmes for research and development to suit the needs of rapid economic growth.
- (3) The Institute of Industrial Engineers (India) would try to take appropriate action on the following :-
  - (a) organise small group discussions in different localities jointly with members of the staff of the C.S.I.R., I.I.T's and universities and also, if possible, of the Productivity Councils, to identify specific problems of import substitution.
  - (b) Carry out surveys of research and development in selected industries and necessary case studies in this connexion independently or in collaboration with members of the staff of C.S.I.R., I.I.T's and universities.
  - (c) Send the names of some of its members to the Chairman, University Grants Commission who would try to place them in contact with engineering colleges for joint discussions to consider what arrangements can be made for teachers in engineering colleges to have some practical experience of research and development in selected industries;
  - (d) also try to secure the cooperation of other professional organisations of engineers, technologists and management experts for joint discussions for the identification of problems of research and development within industry.
- (4) The C.S.I.R. would cooperate with the Institute of Industrial Engineers in the studies mentioned above, and would also intensify its contacts with I.I.T's and universities for joint discussions to identify problems for research and development specially in respect of import substitution and export promotion.
- (5) The University Grants Commission would try to arrange contacts between the University teachers and Institute of Industrial Engineers and also the C.S.I.R. and I.I.T's for joint discussion to identify problems for research and development in industry.



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The matter is placed before the Commission for information and consideration with special reference to para (5) above.

E.O.(T)

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated, the 5th July, 1967.

Item No.40 :- To consider the recommendations of the A.I.C.T.E. regarding additional requirements of the Civil Engineering Department of the Roorkee University.

The Commission at its meeting held in September, 1963 (Item No.41) considered the recommendations of the A.I.C.T.E. for the consolidation and development of existing facilities in the degree courses at Roorkee University and approved certain Recurring and Non-recurring grants.

The requirements of Civil Engineering Department were included in the consolidated demand; the University, however, observed that the sanctioned grants would be inadequate for the department and sent a proposal in December, 1964 for additional requirements of the Civil Engineering Department. The same was sent to A.I.C.T.E. for recommendations.

The A.I.C.T.E. has assessed the additional requirements through a Visiting Committee which took into account the following factors :-

- i) That the additional requirements are absolutely necessary for running the under-graduate courses in Civil Engineering and the requirements do not form part of Post-graduate courses.
- ii) That the institution is very old and well-established one and hence possesses a large number of old and obsolete equipment especially in the Survey Laboratory, which have outlived their life and utility - hence the replacement of these equipment in the Survey laboratory is quite essential for the proper conduct of under-graduate courses in Civil Engineering.
- iii) The intake of the Civil Engineering Department has now increased upto 120 and hence additional equipment is required for the increased number of students.
- iv) The consolidation and development of under-graduate courses with modern equipment and facilities is necessary for building a proper base for the conduct of post-graduate and research programmes.
- v) The Committee took into consideration the justification given by the department against each piece of equipment and satisfied itself that these are necessary.
- vi) The Visiting Committee took also into consideration the financial implications and has recommended only such equipment which are absolutely essential for the under-graduate activities of the department.

(p.t.o)

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- vii) The Committee also took into consideration the acute shortage of foreign exchange and has recommended the equipment which are either indigenously manufactured or which can be obtained from the East European countries against rupee payment.

Against the above background the following grants have been recommended :-

(A) Non-recurring

Building (Flinth area 6,440 sq.ft.) Rs. 1,28,800/-

Equipment ... Rs. 2,92,600/-

Total :- Rs. 4,21,400/-

(B) Recurring

Staff :

Reader ... 1 (Rs.700-1250) .. Rs. 16,700 (per annum)

Store-keeper. 1 (Rs.120- 150)

If the above recommendations of the A.I.C.T.E. are accepted, sanction may be accorded to the grants @ 50% as Commission's share. The grants will be released to the University as and when necessary.

The matter is placed before the Commission for consideration.

E.O.(T)

UNIVERSITY GRANTS COMMISSION

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Meeting:  
Dated 5th July, 1967.

Item No. 42: To consider the request of the Indian School of International Studies for an additional grant of Rs.2,500/- for organising the Seminar on Asian States and International Law.

.....

The Director of Indian School of International Studies, New Delhi submitted a proposal for organising a Seminar on Asian States and International Law, which was accepted in principle by the Commission and agreed to extend the financial assistance to the extent of Rs.7,500/-

The Director, Indian School of International Studies, New Delhi, has now informed that it would be impossible for them to make a success with Rs.7,500. Since a large number of Scholars from other Universities have been invited by them, an additional amount of Rs.2,500 may therefore be sanctioned.

It may also be mentioned that the Commission has also accepted the proposal of the School for organisation of Seminar on 'Aspects of Contemporary America' for which a grant of Rs.5,000/- has also been approved.

The matter is placed before the Commission.

E.O(SI)

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 5th July, 1967.

Item No:43: To consider proposals received from the Universities of  
(a) Osmania, (b) Banaras, (c) I.S.I.S. New Delhi and  
(d) Delhi regarding appointments under the scheme of  
'Utilisation of services of retired teachers'.

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(a) Dr. M. Dharamarajan, Retired Professor,  
Madras Veterinary College.

The proposal for utilising the services of Dr. M. Dharamarajan who retired as Professor of Animal Genetics from Madras Veterinary College on 24th October 1966 at the age of 55 has been received from the Osmania University. Dr. Dharamarajan has been teaching Genetics and Animal Breeding to B.V.Sc. and M.V.Sc. students for nearly thirty years. The Department of Genetics, Osmania University which has been recently established is doing work on Animal and Plant Genetics. The University wants to develop the study of human Genetics also with the assistance of Dr. Dharamarajan. As Madras University does not have a department of Genetics, Dr. Dharamarajan wants to go over to the Osmania University, where he could obtain adequate facilities for his work. The Osmania University also proposes to provide him with an additional honorarium of Rs.4,000/- p.a. in addition to the UGC honorarium of Rs.6,000/- p.a. under para 4(b) of the rules (Appendix I).

Under rules governing the retired teachers scheme (Appendix I) award is made to a teacher for a period of three years in the first instance and may be continued thereafter for a period of two years at a time till the age of 68. The award carries an honorarium of Rs.6,000/- p.a. and an annual grant of Rs. 1,000/- for meeting authorised contingent expenditure connected with the research work.

(b) Prof. T.R.V. Murti, Head of the Department  
of Philosophy, Banaras Hindu University.

The proposal for utilising the services of Prof. T.R.V. Murti in the Department of Philosophy under the retired teachers scheme has been received from the Banaras Hindu University. Prof. Murti is at present Head of the Department of Philosophy and accordingly the Head of the Centre of Advanced Study in Philosophy at Banaras Hindu University. He is 65 years old and is retiring from the University on 8th July 1967.

The University has also stated that they have advertised the post of Professor of Philosophy and the appointment will be made in due course. The University, however, feels that the continued association of Prof. T.R.V. Murti with the department and the centre will be essential in the interest of the research work being done there. In their view Prof. Murti is a renowned scholar in Philosophy and is connected with the Centre from its very inception. The University, therefore, wants to utilise his services w.e.f. 9th July 1967 under the Commission's scheme of retired teachers for a period of two years. It may be added here that according to the policy followed in respect of Centres of Advanced Study, the Head of the Department will also be the Head of the Centre. Accordingly, in case Prof. Murti is selected under the 'Retired Teachers' scheme, he will work at the Centre and not as Head of the Centre.

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(c) Dr. A. Appadorai, Retired Member,  
Union Public Service Commission.

The proposal for utilising the services of Dr. Appadorai has been made by the Indian School of International Studies, New Delhi. The School proposes to utilise his services in the Department of International Politics and Organization. Dr. Appadorai retired as a member, Union Public Service Commission in February 1967. He is at present 65 years old.

The School at first sent a proposal to the Ministry of Education, Government of India for appointment of Dr. Appadorai on an honorarium of Rs. 1900/- p.m. to which the Ministry could not agree. It may be mentioned in this connection that a complaint was received in the Prime Minister's Secretariat that the post of Professor in the Department of International Politics was being kept vacant with a view to accommodate Dr. Appadorai after his retirement from the U.P.S.C.

The School has also not found it possible to make Dr. Appadorai's appointment as Professor Emeritus since under their constitution only those Professors who have put in at least 10 years of service are eligible for this honour and Dr. Appadorai's service is little less than this period.

The School's proposal for providing from its resources also an honorarium of Rs. 4,000/- p.a. to Dr. Appadorai in addition to UGC honorarium of Rs. 6,000/- p.a. under para 4(b) of the rules is under consideration of the Ministry of Education, Government of India.

(d) Prof. Bisheswar Prasad, Head of the Department  
of History, Delhi University.

The Vice-Chancellor, Delhi University has sent a proposal for utilising the services of Prof. Bisheswar Prasad in the Department of History w.e.f. 16th July, 1967 under the Commission's scheme of utilisation of services of retired teachers. In his view "with his long and fruitful association with the Department of History of the University, it will be eminently desirable if his services as retired teacher of the University be utilised by the Delhi University. He has been actively engaged in the intellectual work in recent years, one of his books having been published as late as January this year. I believe that Prof. Prasad's continued association with the Department of History will be very fruitful in terms of mature guidance that will be available to our Scholars."

Prof. Prasad is at present Professor and Head of the Department of History. He is 65 years old and is retiring on 15th July, 1967. His teaching experience at Allahabad and Delhi Universities extends to 42 years. He has several publications including eight books to his credit. In addition to teaching and guiding research Scholars, Prof. Prasad proposes to undertake a study on "Foreign policy of India 1882-1920" and "Thought and behaviour in the Northern India in the 19th Century", during his tenure under the retired teachers scheme.

The proposal for utilisation of services of Prof. Dharamarajan, Prof. Murti, Dr. Appadorai and Prof. Prasad under the retired teachers scheme are placed before the Commission for consideration. These proposals are put up, pending the usual selection expected to take place in August, 1967 for which proposals have been invited from all Universities.

A. E. O. (SF) / D. O. (CAS)

Rules and regulations for the utilisation of services of retired teachers for teaching and research in universities and colleges.

...

The scheme is intended to assist universities and colleges to avail of the services of retired teachers of outstanding merit who have crossed the normal age of retirement, but who are otherwise fit to continue their teaching and research work.

1. Persons with distinguished record of work as Professors, Readers or Lecturers in a university, college or institution approved under the UGC Act, on retirement from regular service will be eligible for participation in the scheme.
2. Applications for this purpose will be considered twice a year (in August and February) by a Selection Committee appointed by the Commission.
3. Applications in the prescribed form to be obtained from the Commission or universities should be made at least 6 months in advance of the date of retirement. Universities may, on their initiative, recommend teachers of their departments or affiliated colleges for assistance under this scheme, after obtaining their prior consent. In such cases no formal applications will be necessary, but the relevant information regarding the persons recommended may be furnished by the university concerned.
- 4(a) An honorarium of Rs.6,000 per annum will be paid to the persons selected under this scheme through the university or institution where he is working. An amount of Rs.1,000 will also be given annually to meet any authorised contingent expenditure concerned with his research work. Grants under this scheme will be payable in addition to any pension that may have been earned by the teachers concerned, but shall cease forthwith in case of re-employment.
- 4(b) Such teachers will not accept any other remunerative job during the tenure of the award. They may, however, receive honorarium or other facilities, if provided by the universities or colleges, upto a maximum of Rs.4,000 p.a. after obtaining the prior approval of the Commission.
5. The awardee is expected to devote all his working time on academic work and shall spend a minimum of 6 hours a week for contact work with students which could be in the form of lectures or seminars. The host university will be requested to provide such teaching assignment and normal facilities such as the use of the laboratory, library etc. The university, may, if it so desires, place at his disposal some workers/assistants to collaborate with him in his work.
6. If the research undertaken by the person concerned is of such a nature as to require special type of equipment, an application for the purpose may be made to the Commission. If approved, grants in this regard will be made to the university concerned.
- 7(a) The assistance to a teacher under the scheme will be limited to a period of three years in the first instance, and may be continued thereafter for a period of two years at a time till the age of 68. Only in very exceptional cases awards may be continued beyond the age of 68.

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7(b) The award under the scheme should not be treated as a contract appointment. If at any time, it is felt that the continuation of any particular awardee is not in the interest of the scheme, the award may be terminated by the Commission without assigning any reason therefor.

8. The persons benefiting under this scheme may be requested to participate and give lectures in refresher courses, summer schools etc. and in all such cases suitable allowances may be paid in accordance with the rules governing such scheme, with the prior approval of the Commission.

9. The participants in the scheme are to be treated as supernumerary and not to be appointed against any regular posts.

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Additional material for consideration of Item No.43 of the proposals received from the Universities of (i) Osmania; (ii) Banaras; (iii) I.S.I.S., New Delhi and (iv) Delhi regarding appointments under the scheme of utilisation of services of retired teachers.

...

The four proposals received by the Commission from the Universities of (i) Osmania; (ii) Banaras; (iii) I.S.I.S., New Delhi and (iv) Delhi for inclusion of Dr. M. Dharamarajan, Retired Professor, Madras Veterinary College, Professor T.R.V. Murti, Head of the Department of Philosophy, Banaras Hindu University, Dr. A. Appadorai, Retired Member, Union Public Service Commission and Professor Bisheswar Prasad, Head of the Department of History, Delhi University, in the scheme of utilisation of the services of retired teachers were referred to the members of the Selection Committee (list attached) for opinion regarding their suitability for participation in the scheme. A consolidated statement indicating the views of the members of the Committee who have sent their comments, is attached.

Statement indicating the views of members of the Selection Committee on the four proposals submitted by the Universities of (i) Osmania; (ii) Banaras; (iii) I.S.I.S., New Delhi and (iv) Delhi regarding the appointments under the scheme of utilisation of services of Retired Teachers - (Agenda Item No.43).

...

Members of Selection Committee	Dr. M. Dharamarajan, Retd. Professor, Madras Veterinary College.	Prof. T.R.V. Murti, Prof. of Philosophy, B.H.U.	Dr. A. Appadorai, Retd. Member U.P.S.C.	Prof. Bisheswar Prasad, Head of the Deptt. of History, Delhi Univ.
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a	b	c	d	e
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- |   |   |   |                 |                         |
|---|---|---|-----------------|-------------------------|
| 1. Prof. S.P. Roychowdhury, Prof. of Zoology, Banaras Hindu University. | All the four recommended  |   |                 |                         |
| 2. Nawab Ali Yavar Jung, Vice-Chancellor, Aligarh Muslim University,    | Favours all the four names  |   |                 |                         |
| 3. Prof. A.R. Wadia, Bombay.  | Favours   | Does not favour   | Does not favour | Not commented.          |
| 4. Dr. D.S. Reddi, Vice-Chancellor, Osmania University.                 | all<br>Consider/the four suitable   |   |                 |                         |
| 5. Prof. R.N. Dandekar, Head of Sanskrit Department, Poona University.  | Does not consider competent to express opinion  | Strongly favours  | Recommends      | Strongly favours        |
| 6. Prof. M.V. Mathur, Vice-Chancellor, Rajasthan University.            | Regards all four as being very suitable   |   |                 |                         |
| 7. Dr. S. Dhawan, Director, Indian Institute of Science, Bangalore.     | Prefers that this comes up for discussion at the Commission's meeting. Have little knowledge of their activities in the past. |   |                 |                         |
| 8. Dr. Prem Kirpal, Secretary to Govt. of India, Ministry of Education. | Recommended on priority basis   | Recommended for 2 years. Doubtful, however, whether his continued association with the C.A.S. would not be embarrassing to his successor. | Does not favour | Recommended for 2 years |

a	b	c	d	e
9. Shri D.C. Pavate, Vice-Chancellor, Karnatak University.	Favours	-	-	Favours
10 Shri B. Shiva Rao, Member, U.G.C.				
11. Prof. Kaildas Bhattacharya, Vice-Chancellor, Visva Bharati.	Considers quite suitable	Considers quite suitable	-	Considers quite suitable
12. Dr. R.S. Verma, Prof. of Mathe- matics, Delhi University.				
B. Dr. R.C. Paul, Prof. of Chemistry, Panjab University, Chandigarh.				

UNIVERSITY GRANTS COMMISSION

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Meeting:  
Dated 5th July, '67.

Item No.44:- To consider further the establishment of postgraduate centres in universities.

.-.-.-.-.

The University Grants Commission at its meeting held on 5th April, 1967 received a note regarding the establishment of postgraduate centres in universities. The Commission was, inter-alia informed of the recommendations made by its committee on 'Establishment of Postgraduate Centres', and the basis on which assistance may be provided for these centres. The Commission was also informed that proposals for the establishment of postgraduate centres had been received from the Universities of Andhra, Osmania, Sri Venkateswara, Mysore and Panjab and that these had been considered by the Committee on 'Establishment of Postgraduate Centres' which wanted some further information from the Universities for further consideration of the matter. A copy of the note placed before the Commission at the above meeting is enclosed.

The Commission desired that the proposals received for the establishment of postgraduate centres in universities may be processed and placed before them again.

As the requisite information desired by the Committee was not available from all the universities the proposals could not be processed further till the next meeting of the Commission in May, 1967. Meanwhile, in the light of the budget provision agreed to by the Govt. of India for plan projects for 1967-68 the position of establishment of postgraduate centres was examined and it was felt that it may not be possible for the Commission to provide assistance to universities for the establishment of these centres during the current financial year and the position may be reviewed next year in the light of the budget provision available then. The universities concerned were informed accordingly.

The Vice-Chancellor, Mysore University has written to the Chairman, U.G.C. requesting that an assurance may be given to the University that the Commission would provide assistance for the project during 1968-69, so that they may initiate preliminary work during the current financial year. An extract from the Vice-Chancellor's letter is reproduced below:-

"There is a growing demand from the students as well as from the public for such a centre at Mangalore. Some undergraduate colleges in that district have been pressing us to permit them to start postgraduate sections. But since the policy is to have Postgraduate Education under the direct control of the University permission is not being given to those colleges for starting Postgraduate Sections. We have been telling them that the University itself would start a Postgraduate Centre in Mangalore before long. It will be a great disappointment to the people of Mangalore that nothing has come out of our assurances.

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Such a centre at Mangalore is overdue if we consider the increase of student enrolment in that district which is very impressive. It rose from 3544 in 1960-61 to 12,906 in 1966-67. The increase in enrolment is bound to be even more rapid since Mangalore is being developed into 'All weather port'.

If the centre is to start working even from the next academic year 1968-69, we will have to initiate preliminary work right now. May I therefore, request you to give us an assurance that the centre could come into being at least from the academic year 1968-69 and give us the sanction to go ahead with our preliminary arrangements."

In the light of the above, the question of establishment of postgraduate centres in the universities viz. Andhra, Osmania, Sri Venkateswara, Mysore and Panjab from which proposals have been received is for consideration of the Commission.

A.E.O. (CDN I)

UNIVERSITY GRANTS COMMISSION.

To receive a note regarding the establishment of Postgraduate Centres in the Universities.

...

The University Grants Commission had some time back appointed a Committee to spell out the concept of University Centres for Postgraduate Studies. The Committee made the following important observations/recommendations:-

1. The concept of University Centre for postgraduate studies implies a projection of an existing university; the intention being to develop postgraduate education under its auspices over as large an area as possible.
2. In deciding the establishment of a centre the following factors may have to be taken into account:
  - (a) The number of colleges and specialised institutions located in the area;
  - (b) The number of students on roll in colleges;
  - (c) The extent of postgraduate work already being done in those colleges and institutions;
  - (d) Whether the existing institutions are able to collaborate and work under the direction of the university;
  - (e) Contribution of the university in terms of library, laboratory and nucleus staff.
3. For a centre to function efficiently, there should be provision for teaching at least 4 to 5 subjects spread over the sciences on the one hand and the Humanities and Social Sciences on the other.
4. For each subject there should be one Professor one Reader and few Lecturers and Research Assistants. The Professor should be provided by the University while for the provision of Readers and Lecturers the university and the colleges concerned should collaborate.
5. The centre should have a central library and its location should be such as would ultimately be useful for the new university if it comes into existence.
6. Few fellowships may be earmarked for every subject for a period of three years.
7. A minimum grant per subject should be assigned by the U.G.C. for laboratory building and equipment.
8. For the library books for Humanities and Social Sciences a grant of about Rs.1 lakh per subject would be the minimum essential.

The Commission generally accepted the recommendations of the Committee and desired that the same may be circulated to the universities and State Governments, which had been done.

At its meeting held on 1st March, 1967 the Commission agreed that assistance to the universities for the establishment of centres for postgraduate studies be paid on the following basis:-

- (a) The provision of land for the centre should be the liability of the State Government;
- (b) One-third of the expenditure on library building should be provided by the State Government;
- (c) Any administrative staff to be appointed for the Centre should also be provided by the State Govt;
- (d) Maintenance of buildings etc. should be provided by the State Government;
- (e) The grant for the individual departments should be made on the same basis as for the academic departments of the universities.

The pattern of assistance laid down by the Commission for the development of existing departments and establishment of new departments for postgraduate studies is as follows:

Scheme	Item	Contribution by U.G.C.	Contribution by State/University
Postgraduate teaching (University Departments)	Development of existing departments and establishment of new departments.		
	(a) Research/Postgraduate facilities (NR & R)	100%	
	(b) Postgraduate/undergraduate facilities but largely postgraduate.		
	i. Non-recurring	66.2/3%	33.1/3%
	ii. Recurring	50%	50%
Library	(a) Buildings.	66.2/3%	33.1/3%
	(b) Books	100%	-

The University Grants Commission had received proposals from the following universities for the establishment of centres for postgraduate studies. The financial implications of these proposals are also shown against each:

Name of the University	Financial implications for 5 year period.
1. Andhra	Rs.128.51 lakhs
2. Osmania	Rs.100.00 "
3. Mysore	Rs. 26.26 "

The State Government of Andhra Pradesh had agreed to meet the matching contribution towards the establishment of the three centres in the State during the Fourth Plan and also to provide funds for their continuance subsequently after the period of assistance from the University Grants Commission ceases. The State Government of Mysore were stated to have made the following provision in their Fourth Plan for the proposed centre at Mangalore.

- |   |               |
|---|---------------|
| (a) Acquisition and development of campus | Rs.5.00 lakhs |
| (b) Administrative staff                  | Rs.0.86 lakh  |

These proposals were considered by the Committee on 'Establishment of Postgraduate Centres' at its meeting held on 25th January, 1967. The Committee felt that a copy of their report which had been accepted by the Commission may be sent to the universities again and they be requested to provide the following basic information.

- (a). Number of colleges and specialised institutions located in the area where it is proposed to establish the postgraduate centre along with the facilities for postgraduate studies already available and the details of the teaching staff responsible for handling postgraduate education;
- (b) Number of students on rolls in these colleges in different faculties;
- (c) Extent of postgraduate work already being done in these institutions together with the details of the research work done if any;
- (d) Whether the existing institutions in the area are prepared to collaborate in postgraduate teaching in case a centre for postgraduate study is set up and whether any provision in the Act of the University exists for collaborative teaching;
- (e) The senior staff which the university would be prepared to spare for the postgraduate centre.

The Committee desired that the matter may be placed before them when the requisite information has been supplied by the universities. The Universities have been requested to send the requisite information and the proposals will be considered by the Committee as soon as it is received.

The University of Panjab has already set up centre for postgraduate studies at Simla with assistance from the Commission. The University has also set up a similar centre at Rohtak and the proposal for assistance is under consideration.

The matter is placed before the Commission.



UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.4.5 :To consider the proposal for purchase of a new Ambassador Mark II Staff Car for the Commission in place of the existing staff car DLF-3880.

....

The Commission purchased the Ambassador staff car No. DLF-3880 during 1960 and since then it has covered over one lakh miles. However, in spite of its proper maintenance the car has, for some time past, been frequently going out of order resulting in considerable inconvenience and heavy expenditure on its maintenance and up-keep.

In order to assess continued roadworthiness of the car, vehicle was got inspected by the Electrical & Mechanical Officer, Civil Aviation Department, who after considering the present condition of the vehicle, the expenditure already incurred on its maintenance and the estimated cost on its overhaul and repairs amounting to Rs.5,000/- recommended in his report (Annex:re) that the car be condemned and replaced by a new one.

The car, accordingly, is proposed to be condemned and disposed of through the D.G.S&D and a new car purchased. In the meantime, the Ministry of Industrial Development, Government of India, has been requested for allotment of priority for purchase of a new car through D.G.S&D. The new car on the basis of the rate-contract with the D.G.S&D is estimated to cost Rs.15,963/- plus S.T. plus departmental charges.

The funds for this purpose are available in the budget estimates for the year 1967-68 under 'Capital'.

The matter is placed before the Commission for consideration.

A.S(A)/D.S(A)

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Annexure to Item No. 45

Copy of letter No. EM.SR-100/453 dated 9.5.67 from Civil Aviation Department, Office of the Electrical & Mechanical Officer, Safdarjung Aerodrome, New Delhi to the Secretary, U.G.C. New Delhi.

Subject: Staff Car No.3880 - Ambassador.

The above staff car was inspected in this workshop on 9.5.67 at meter reading 96,469 miles. The condition of the vehicle is as follows:

Engine:

As reported by the Driver the engine was top overhauled once and rings were changed. Compression: (1) 130, (2) 125, (3) 100, (4) 125. The Driver reported that engine is consuming oil @ 5 litres per 1000 miles. Oil is leaking from rear main bearing; noise in engine at high speed. Needs major overhaul.

Gear Box:

Needs overhauling. Oil seal leaking. Gear shift linkages play to be eliminated.

Steering:

Needs immediate attention. Rack loose in the housing. Tie-rod assembly loose, badly rattling. Steering bearing (felt) needs replacement.

Differential:

Sound in differential. Play in crown wheel and pinion. Needs overhauling and replacement of part.

Suspension:

Needs overhauling.

Wheel & Brake:

Wheel bearing loose in front wheel. Rear right side wheel cylinder washer leaking.

Electrical:

Trafficators - left side not operating. Wiring needs repairing.

Upholstery & Dents:

Door gola needs replacement. Doors rattling, needs repairs to door locks etc. and striker plates.

Chassis & Body:

Flooring in Driver's cabin, passengers' cabin and luggage boot rusty and eaten, needs replacement. Front left side main member dented and side rusty and eaten, and needs replacement of M.S. Sheets etc. Front left side mudguard dented. Rear left door dented and front right side ring board dented.

Painting: Requires touching-up in a few places.

It is understood that you have already spent more than 10 thousand rupees towards its maintenance so far. It is estimated that approximately five thousand rupees would be required for carrying out the repairs referred to above and even after carrying out such repairs the vehicle may not be of good standard.

Considering its present condition the cost of repairs and also the amount already spent so far, it is recommended that the car should be written off and replaced by a new one.

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UNIVERSITY GRANTS COMMISSION.

Date:  
Time:  
Place:

Meeting:  
5th July, 1967.  
10 A.M.  
UGC Building,  
New Delhi.

AGENDA(Contd.)

48. To receive a report on the appointment of an informal Committee in respect of the Cultural Exchange Programmes between India and Hungary. p.154-158
49. To receive a report made by Prof. A. Gritzaenko, Unesco Consultant to the Department of Geophysics, Osmania University, Hyderabad. p.159-173
50. To receive a note regarding some difficulties pointed out by the Indian students in U.S.S.R. to the Indian Delegation in connection with the Soviet Scholarships Scheme. p.174-177
51. To consider the following proposals received from the Delhi University:

a) Provision of Senior Grade Lecturers in the Evening Colleges of the University. p.179-181

b) Instituting B.Sc.(General) Group 'B' Course in the Hindu College and Kirori Mal College with effect from the academic year 1967-68. p.182-184

c) Additional staff & accommodation for the Department of Chemistry for increased admissions to the M.Sc. course. p.185-188
52. To consider the proposal of the Department of Botany of the University of Allahabad, Allahabad. p.189-195
53. To consider the proposal of the Mysore University regarding revision of the salary scales of its teachers as per III Plan scales of pay w.e.f. 1.4.1962 instead of 1.4.1964. p.196-198
54. To consider a proposal from Prof. P.N. Mehra, Head of the Department of Botany, Panjab University for the establishment of a special cell to promote researches in Botany in one of the colleges of Shillong. p.199-203
55. To consider the proposal of the Rajasthan University for additional posts for Humanities, Social Sciences and Science subjects. p.204
56. To consider the proposal of Maharashtra Udayagiri Mahavidyalaya, Udgir (Marathwada University) for the construction of a library and laboratory building. p.205
57. To consider a reference from the National Council for Science Education regarding the Programme of improvement of Syllabi in the colleges affiliated to Meerut University, received from Dr. R.K. Singh, Vice-Chancellor, Meerut University. p.206-208
58. Acceptance of audited statement of accounts and utilisation certificates issued by the Government departmental auditors in respect of grants-in-aid paid by the UGC to Government and affiliated colleges - relaxation of the usual procedure. p.209

University Grants Commission

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Meeting:

Dated 5th July 1967

Item No.48 : To receive a report on the appointment of an informal Committee in respect of the Cultural Exchange Programmes between India and Hungary.

....

In April, 1967 His Excellency Janos Molnar, Deputy Minister for Education and Culture of Hungary visited India and met the Chairman, University Grants Commission in connection with the Cultural Exchange Programmes between India and Hungary.

In the course of discussions which the Hon'ble Minister had with the Chairman it was suggested that the Cultural Exchange Programmes between India and Hungary need not be confined only to the visits of Professors and Scholars but should also include exchange of materials and publications. It was also suggested that there may be a small Committee consisting of 3 - 4 Vice-Chancellors/Educationists to discuss the fields of cooperation between the University Grants Commission and Hungarian Universities and the Academy of Sciences. The Chairman, U.G.C. and the Hon'ble Deputy Minister of Hungary agreed that such a Committee should be formed without delay both in Hungary and in India as it was felt that these Committees would be able to build up real cultural contacts between the two countries.

So far as the Commission is concerned, a Committee has already been set up consisting of the following members:

1. Prof. B.N.Ganguli, Vice-Chancellor, Delhi University.
2. Prof. M.V. Mathur, Vice-Chancellor, Rajasthan University, Jaipur.
3. Dr. S. Dhawan, Director, Indian Institute of Sciences, Bangalore.

His Excellency Janos Molnar - Deputy Minister of Education & Culture of Hungarian People's Republic who was informed about the formation of the above Committee in the U.G.C. through the Ambassador of Hungary in India, has welcomed the action taken by the Commission and has also informed the Chairman with regard to the formation of a similar Committee in Hungary consisting of the following:

Dr. Frigyes CSAKI, Professor, Rector of the Polytechnical University, Doctor of Technical Sciences, Corresponding Member of the Hungarian Academy of Sciences.

Dr. Ferenc MARTA, Professor and Head of Department, Doctor of Chemical Sciences,

p.t.o.

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Dr. Andras B. KOVACS, Professor and Head of Department,  
Rector of the University of Agricultural Sciences.

The Hon'ble Deputy Minister has expressed the hope that this committee will promote the strengthening of relations between the universities and scientific cooperation in different fields.

A copy each of the letters addressed by the Chairman to the Ambassador of Hungary in India and the replies received from him and the Hon'ble Deputy Minister of Education & Culture of Hungary is attached as Appendices I, II, and III.

The matter is reported to the Commission.

E.O(G)

Dated 5th July 1967.

Copy of letter No. Nil dated 6th April, 1967 from the Chairman, UGC, New Delhi to H.E. Janos Nagy, Ambassador in India of the Hungarian People's Republic, 15 Jor Bagh, New Delhi.

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It was a great pleasure and an honour to meet H.E. Mr. Janos Molnar, Deputy Minister of Education and Culture of your country and yourself, and have an opportunity to talk with you about the possibilities of co-operation between our countries in the field of education and research. This would be of great value to us, and we keenly look forward that some concrete steps would be taken in the near future with regard to the exchange of staff, literature and so on. As was mentioned during our conversation, it would be of great help in furthering programmes of co-operation, if there were in each of our countries, a small informal committee of interested people from academic life. We intend to set up an informal committee consisting, amongst other, of the following:

1. Professor B.N. Ganguli, Vice-Chancellor, Delhi University;
2. Professor M.V. Mathur, Vice-Chancellor, Rajasthan University, Jaipur;
3. Dr. S. Dhawan, Director, Indian Institute of Sciences Bangalore.

It would be of great use to the committee if some literature about universities and research institutions in your country could be sent to us. We would very much appreciate to receive information about the Departments of Indology in your Universities.

Thanking you again for the privilege of meeting you and H.E. Mr. Janos Molnar, Deputy Minister of Education and Culture, and with kind regards.

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Dated 5th July 1967

Copy of letter No. Nil dated 8th April, 1967 from Janos Nagy, Ambassador of the Hungarian People's Republic, New Delhi to Dr. D.S. Kothari, Chairman, University Grants Commission, New Delhi.

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Thank you very much for your kind letter of April 6, 1967, which I have immediately forwarded to H.E. Mr. Janos Molnar, who is in Bombay at present. I am sure that he will feel just as honoured as I do, when he learns about the prompt action you have kindly taken on setting up an informal committee with the aim of furthering co-operation between our countries in the field of education and research. I have no doubt that you shall soon hear from Deputy Minister Molnar about the steps he shall have taken in setting up the Hungarian group of this committee, so that the two groups be able to enter into direct contact with each other as soon as possible.

I join our Deputy Minister in expressing our gratitude for the pleasure of meeting you. Permit me to congratulate you and through you Professor Ganguli, Professor Mathur and Dr. Dhawan, members of your informal committee and wish you and them much success. I shall write to the three professors, too and assure them that they can always count upon our co-operation.

With kind regards,

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Dated 5th July 1967

Copy of letter No. Nil dated 3rd May, 1967 from Janos Molnar, Deputy Minister of Culture of the Hungarian People's Republic, Budapest to Dr. D.S. Kothari, Chairman, University Grants Commission, New Delhi.

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I am very glad that - as you promised it - you let the Hungarian Embassy in New Delhi know the list of the Indian members of the Indian-Hungarian University Committee, during our stay in India.

I have received this list through our Ambassador, Our Ministry has appointed the following persons to be the members of this Committee:

Dr. Frigyes CSAKI, Professor, Rector of the Polytechnical University, Doctor of Technical Sciences, corresponding Member of the Hungarian Academy of Sciences,

Dr. Ferenc MARTA, Professor and Head of Department, Doctor of Chemical Sciences,

Dr. Andras B. KOVACS, Professor and Head of Department, Rector of the University of Agricultural Sciences.

I am sure that the work of this committee will promote the strengthening of the relations between the universities and the scientific co-operation in different fields.



UNIVERSITY GRANTS COMMISSION

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MEETING:

Dated: 5th July, 1967.

Item No. 49 : To receive a report made by Prof. A. Gritzaenko, Unesco Consultant to the Department of Geophysics, Osmania University, Hyderabad.

...

Prof. A. Gritzaenko, Head of the Chair of Geophysical Methods of Prospecting, Faculty of Geology, University of Saratov (USSR) worked at the Department of Geophysics, Osmania University, Hyderabad, as a Unesco Consultant from 18th August, 1966 to 12th March, 1967. Prof. Gritzaenko is a well-known specialist in Geophysical Prospecting and in application of different geophysical methods - seismic, electrical, gravimetrical, etc. for searching geological structures containing oil and gas. He is one of the leading gas components in research work in telluric current and magnetic-telluric methods.

During his stay at the Centre Prof. Gritzaenko gave a course of about eight lectures on geophysical methods of prospecting for minerals and participated in the field work with research workers in the department. At the conclusion of his assignment at Osmania University, Prof. Gritzaenko made a report to the Unesco. The Unesco, after studying the report made by him, has drawn the attention of the Commission to some of the important recommendations and suggestions contained in the report. The Unesco has also desired that steps may be taken to publish the course of lectures given by Prof. Gritzaenko so that the book may be available to other universities and institutions in India and possibly in other countries as well.

The main recommendations contained in the report made by Prof. Gritzaenko are listed below:-

1. It is necessary for the Osmania University to establish close relations with a University. The Osmania University should be in permanent correspondence with its counterpart to discuss problems arising in the process at teachings and research work development: Syllabuses, programmes, number and type of equipment. The counterpart University would also be in a position to regulate visits of Professors to Hyderabad, adjust their programmes, etc.

It should be emphasized that the contact should be established with a University, and not a research centre, mining institute, etc., because of the specific features common to University education all over the world.

Since so far all the Visiting Professors in the Osmania University were from the USSR, the contact is advisable to be established with one of the Soviet universities.

p.t.o.

2. It is necessary to plead with the Unesco Headquarters to send a consultant in geophysics for the period of two years beginning from the year of 1967. The consultant must have experience in no less than three to four geophysical methods (Magnetic, Gravimetric, Electrical etc.). The programme of the consultant's activity in general should be closely connected with the recommendations given to the Advanced Centre.

3. The future assistance to be rendered by Visiting Professors in the Advanced Centre is thought of as recommendable along the following lines:

- 1967 - Electrical prospecting methods  
special course (Ore investigations) ..... 3 months
- 1968 - Seismic prospecting ..... 3 months
- Geochemical methods ..... 3 months
- 1969 - Complex of geophysical methods of prospecting for minerals (combining geophysical methods) ..... 3 months
- 1970 - Use of computer machines in geophysical prospecting methods. .... 3 months

4. All Visiting Professors should prepare their courses of lectures in written form to leave them behind at the Osmania University as a source of reference for the benefit of staff personnel.

5. The general programme of field geophysical training practice for the students is to be written. Each element of the field practice should be given a description. The description must define the aim of the work, and contain a brief account of instruments, field methods of observation, ways of interpretation, a list of maps, a chart, profiles for plottings, etc.

6. It is advisable to select for translation into English some textbooks, handbooks and monographs in applied geophysics.

7. It would be desirable to set up a different geophysical laboratory for the students. Practical work in the laboratories may be offered in the gravimetric, magnetic, electrical and seismic methods. Certain physical and geophysical instruments are to be provided for the laboratories.

8. The Geological Department which is closely connected with the Geophysical Department also needs certain assistance from Unesco. It would be a great help to the Geological Department if some Visiting Professors would come to lecture there and also if a few staff members and research scholars of that Department were sent to the U.S.S.R.

In view of the importance of this report, the Unesco has proposed to make copies of this report available to other international agencies both in India and abroad, who may wish to use the report in elaborating the programmes.

The matter is reported to the Commission for information.

E.O. (CAS) / D.O. (CAS)

### I. INTRODUCTION

I. 1. The Geophysical Advanced Centre of Study, Technical Assistance Project, was initiated at the Osmania University in January 1964, when I.I. Gurvitch (USSR), Visiting Professor of Geophysics, arrived in Hyderabad as a Unesco Consultant.

Professor Gurvitch stayed in India from 20 January to 10 April 1964 as a Specialist in Seismic Prospecting and Exploration Geophysics.

According to the contract with Unesco, Professor A.G. Tarkhov (USSR) was in India from 15 December 1964 to 30 March 1965, as a Consultant in Applied Geophysics. In March 1966 Academician Yu.V. Reznitchenko (USSR) visited the Osmania University as a specialist in Seismology. Dr. Yu. V. Reznitchenko spent one month in Hyderabad.

2. During the years of 1963-1964 Professor V.S. Mironov (USSR) worked in Hyderabad as a Visiting Professor in Geophysics. He prepared and published by mimeograph two courses of lectures in Gravimetrical prospecting and Magnetic prospecting.

3. The present position of geophysical education at the Osmania University has thus been directly influenced by the activities of Professor Gurvitch, Professor Tarkhov and Professor Mironov.

4. At present the decision on separating the Geological and Geophysical departments is being considered by the Vice-Chancellor of Osmania University.

The Geophysical branch of Osmania University has all the necessary conditions for future development under the Unesco programme. The Department will be headed by Professor V.L.S. Bhimasankaram, a most skilful and experienced geophysicist.

It has staff members experienced enough for teaching as well as certain geophysical instruments for practical and field work. Field electroprospecting survey for ground water investigation has been started in Andhra Pradesh State. Two field electrical teams are going to Madras State for surveying. A permanent gravimetrical polygon is established in Hyderabad area, etc.

The period of study in Geophysics is now fixed as 6 years, which provides the necessary educational level in geophysical methods of prospecting.

### II. WORK DONE BY PROFESSOR GRITZAENKO IN INDIA

II. 1. Professor A. Gritzaenko is Head of the Chair of Geophysical Methods of Prospecting, Faculty of Geology, University of Saratov (USSR).

His speciality is geophysical prospecting for oil and gas, namely, the joint application of different geophysical methods - seismic, electrical, gravimetrical, etc. for searching geological structures containing oil and gas. He also leads the research work in telluric current and magnetic-telluric methods.

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2. According to the Unesco contract, Professor Gritzaenko was in India from 18 August 1966 to 12 March 1967.

3. Before leaving Moscow, Professor Gritzaenko had a conference with Academician Resnichenko and Professor Gurvitch, who had visited the Osmania University, Hyderabad, under the Unesco Programme in 1966 and 1964 respectively. Under discussion were some problems of 'technical' assistance. Unfortunately Professor Tarkhov was on leave at that time and, therefore, unable to attend the meeting.

4. In Delhi (18-19 August, 1966) Professor Gritzaenko was received by Professor D.S. Kothari, Chairman, University Grants Commission (U.G.C.) and was advised on the main direction of his consulting work at the Advanced Geophysical Centre in Osmania University.

During the above stay in Delhi, Dr. M.L. Mehta was always very helpful in solving many problems.

Professor Gritzaenko had also short meetings with Dr. L. Cappelletti, Assistant Resident Representative and Dr. A. Dunningham, Deputy Chief of Unesco Mission.

5. The basic place of Professor Gritzaenko's activities was at the Geology Department, Osmania University, Hyderabad, A.P.

He arrived in Hyderabad on 20 August 1966, directly from Saratov via Moscow, and departed from Hyderabad on 8 March, 1967.

6. The following work has been done during Professor Gritzaenko's stay at Osmania University:

1. A course of lectures, "The geophysical methods of prospecting for minerals", has been delivered. 82 lectures. Five parts of the course have been read: introduction, gravimetrical methods, magnetic methods, electrical methods, well-logging and bore-hole investigations, radio-active field methods.

The subject of seismic methods of prospecting was not delivered for two reasons - one was the shortage of time, and the other was that the students had started attending a special course on seismic prospecting delivered by one of the lecturers who had been trained in the USSR. This part of the course was prepared in written form and included into the course of lectures for multiplication. The course comprises the following items (on each of the methods): physical properties of rocks utilized by various geophysical methods, physical and geological conceptions for application of every method, general information about instruments and equipment and field procedure of investigation for every method. The main stress was laid on instances of geological interpretation of geophysical data in exploration for ores, oil, gas and other minerals and the physical background of geophysical methods. Examples have been also cited of a successful application of the geophysical methods for engineering geology, geological mapping, etc. The main points of the course were discussed with the staff of the Department of Geology.

2. A general lecture course on "Geophysical methods of prospecting for minerals" was written in English and multiplied by mimeograph in 50 copies.

The course numbers 400 pages of the text and contains over 300 figures. On the basis of the written lectures a textbook "Geophysical methods of prospecting for minerals" will be published by Dr. V.L.S. Bhimasankaram, Professor of Geophysics, and Professor Gritzaenko, Unesco Consultant. The Unesco Headquarters have approved the idea of the publication.

The first variant of the draft of the textbook has been finished and is now being edited.

3. A full programme of the general course "Geophysical methods of prospecting for minerals" was written.

4. Lectures on Electrical method of prospecting (special course) were delivered, 14 lectures.

The following lectures and consultations at "Earth Science Study Circle" for students and staff members were read:

4 Lectures

- "The telluric-current and magneto-telluric methods"
- "The connexion between gravity field, the structure of the earth's crust and upper mantle"
- "Use of electrical methods of prospecting for groundwater investigation".

5. The following lectures were delivered in different institutions of India:

8 Lectures

- "Role of physical methods in geology"  
Physics Association, Osmania University, November 1966
- "Connexion between natural geophysical fields and structure of the earth" National Geophysical Research Institute, December 1966
- "Use of physical instruments in geophysical methods of Prospecting" Regional Engineering College, Warangal, December 1966
- "Application of geophysical methods of prospecting in Engineering Geology" Madras University, GWIP
- "Complex geophysical methods of prospecting in groundwater investigation" Madras, Groundwater Investigation Project, UNDP
- "Different arrangement in electroprospecting methods"  
Madras University
- "Electrical methods of prospecting in groundwater investigation"  
India Geoscience Association, Hyderabad, October 1966.

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6. A gravimetric polygon was created, equipped with a gravimeter GAK-4-M (USSR). The polygon consists of 6 points. One of the points is coincided with one of the basic points of the National Indian Gravimetric Network (Begampet Airport point, Hyderabad) and has a connexion with the International gravimetric network.

A paper for publication has been prepared, in which magnitudes and description of the gravimetric points are given.

7. Geophysical instruments (gravimeter, torsion magnetometer, Z-magnetometer, electro-compensator, etc.) have been adjusted and partly repaired. The instruments are used for students' practical training and field work.

8. A connexion between the base gravimetric points in Hyderabad and in Madras has been established with the gravimeter GAK-4-M (USSR). The result of the connexion will be published. This was the first direct connexion between the base gravimetric points Hyderabad-Madras.

9. A field electrical survey (depth probe method Schlumberger system) has been carried on in the area close to the Osmania University Observatory. The aim of the survey was to find ground water close to the main building of the Observatory. 14 D.P. were observed in the area. After the interpretation recommendations for digging water-well were given.

All the work of preparation of the field arrangement, equipment as well as of field observation and final interpretation was done by the students and staff personnel of the Geophysical Section, Geological Department. After training the geophysicists had in the field they are quite prepared for field investigation by DP, SP methods and gravimetric survey.

7. Professor Gritzaenko has acquainted himself with the scientific work of the National Geophysical Research Institute (N.G.R.I.). Some problems in connexion with the heat flow measurements, construction, some of the electrical prospecting instruments, etc. were under discussion.

8. Professor Gritzaenko has participated in the Symposium of Water Resources of India (13-15 October 1966) and Upper Mantle Project Symposium (7-9 January 1967).

A report on the main methodological principles in application to electrical methods of prospecting was submitted to Water Resources Symposium.

He also took part in the discussion held during the session of the Upper Mantle Project.

9. Professor Gritzaenko helped in improving the teaching of geophysics by attending seminars and practical work of the students.

Consultations and advice were offered to the teaching staff of the geophysical department on different aspects of research work.

p.t.o.

10. A five-day business tour was undertaken to visit Madras University and Ground Water Investigation Project in Madras State (UNDP).

As it was mentioned above, a direct connexion between Madras (Airport) and Hyderabad (Airport) gravimetric points was established.

During his stay in Madras, Professor Gritzaenko went through the geological and geophysical data available in the G.W.I.P. office. For two days Professor Gritzaenko studied the areas No.1 and No. 2 proposed for geophysical investigation. Both areas were visited. The results of the reconnaissance of field areas No. 1 and No. 2 were discussed with the G.W.I.P. and counterpart geologists and geophysicists, both in the field and in the office.

An agreement was reached about participation of the Osmania University field team in geophysical investigation of areas No. 1 and No. 2. Some recommendations were made on the employment of electrical prospecting methods in the areas (Annex. 1).

Two lectures were delivered in G.W.I.P. Office and in Madras University. A number of geophysical instruments have been adjusted and a short instruction on their usage has been offered.

11. In December 1966, the Osmania University was visited by Professor A. Matveyev, Unesco Assistant Director-General for Science, and Dr. A. Evstafiev, Chief of Unesco Mission in India. The visit of Professor Matveyev and Dr. Evstafiev, though brief, was very fruitful. The main aspects of the future development at the Advanced Centre and of geophysical education in Osmania University were under discussion with the Vice-Chancellor, Dr. D.S. Reddi. Professor Matveyev and Dr. Evstafiev made an acquaintance with the syllabus in geophysics, with the results of geophysical research work done by teaching staff of the Department and, after a short inspection of the geophysical equipment, the main problems of the future development of the geophysical Advance Centre were discussed in detail. Professor Matveyev, Dr. Evstafiev, Dr. Y.J. Rao, Head of the Geological Department, Dr. Bhimasankaram, Head of the Geophysical Section, Professor V. Mironov (USSR) and Professor Gritzaenko took part in the talks.

Mr. L. Cappelletti visited Hyderabad in December 1966 on an official tour. During the visit, the Unesco Project was discussed. Mr. Cappelletti gave some valuable pieces of advice to Professor Gritzaenko.

Professor Yu. V. Novozhilov, Unesco Adviser to U.G.C. has rendered a great deal of assistance in solving many problems that arose during Professor Gritzaenko's mission.

III. THE STATE OF THE GEOPHYSICAL ADVANCED CENTRE OF STUDY IN OSMANIA UNIVERSITY

III. 1. The state of geophysical education in Osmania University may be estimated as normal, and there exists now all the necessary conditions for future development and improvement of the same.



The relatively satisfactory present state has been achieved under the Unesco project guidance by both Unesco consultants and Indian geophysicists.

2. The previous recommendations given by Unesco consultants were, as a rule, fulfilled by U.G.C. and Osmania University, which has brought about positive results.

The recommendations given by Unesco consultants, Professor Gurvitch and Professor Tarkhov, and their realization are shown in Annex 2.

IV. RECOMMENDATIONS

For further improvement of Geophysical Advanced Centre at the Osmania University, the following recommendations may be suggested:

1. It is necessary for the Osmania University to establish close relations with a University. The Osmania University should be in permanent correspondence with its counterpart to discuss problems arising in the process at teachings and research work development; Syllabuses, programmes, number and type of equipment. The counterpart University would also be in a position to regulate visits of Professors to Hyderabad, adjust their programmes, etc.

It should be emphasized that the contact should be established with a University, and not a research centre, mining institute, etc. because of the specific features common to University education all over the world.

Since so far all the Visiting Professors in the Osmania University were from the USSR, the contact is advisable to be established with one of the Soviet universities.

2. It is necessary to plead with the Unesco Headquarters to send a consultant in geophysics for the period of two years beginning from the year of 1967. The consultant must have experience in no less than three to four geophysical methods (Magnetic, Gravimetric, Electrical etc.). The programme of the consultant's activity in general should be closely connected with the recommendations given to the Advanced Centre.

3. The future assistance to be rendered by Visiting Professors in the Advanced Centre is thought of as recommendable along the following lines:

1967	Electrical prospecting methods special course (Ore investigations)	3 months
1968	Seismic prospecting	3 months
	Geochemical methods	3 months
1969	Complex of geophysical methods of prospecting for minerals (combining geophysical methods)	3 months
1970	Use of computer machines in geophysical prospecting methods	3 months

4. All Visiting Professors should prepare their courses of lectures in written form to leave them behind at the Osmania University as a source of reference for the benefit of staff personnel.
5. Detailed programmes of each subject taught at the Department are to be prepared, and offered to the students.
6. The general programme of field geophysical training practice for the students is to be written.

Each element of the field practice should be given a description. The description must define the aim of the work, and contain a brief account of instruments, field methods of observation, ways of interpretation, a list of maps, a chart, profiles for plottings, etc.

7. It is advisable to select for translation into English some textbooks, hand-books and monographs in applied geophysics.
8. It would be desirable to set up a different geophysical laboratory for the students. Practical work in the laboratories may be offered in the gravimetric, magnetic, electrical and seismic methods. Certain physical and geophysical instruments are to be provided for the laboratories.
9. The Geological Department which is closely connected with the Geophysical Department also needs certain assistance from Unesco. It would be a great help to the Geological Department if some Visiting Professors would come to lecture there and also if a few staff members and research scholars of that Department were sent to the USSR.

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ANNEX I

On visiting Areas One and Two, and on discussing their geological and geophysical features, I believe I am in a position to suggest certain geological problems which could be solved by employing geophysical methods of prospecting:

i. Determination of the shape of the contact between the fresh and salt water in Area One. For this purpose, it is possible to make a depth probe with separation down to 500 m (Schlumberger System), and also some lateral investigation with the separation that will be selected only after DP curves are obtained. The observation grid must be about 25 into 50 m.

In case the DP curves are repeating every 2 or 3 months, the change in the shape of the DP curves will help us to determine the direction of the contact movement.

ii. To determine the direction of the undersurface stream in Area Two, it is preferable to use the S.P. Method with a grid of 20 into 50 m. The observation points are to be located across the river valley.

To determine the basement of the surface depth, it is necessary to use the DP Method.

iii. The final choice of the electrical methods of prospecting in Areas One and Two may be made only after certain geoelectrical data are obtained in the areas. The grid may also be changed, depending on the results of the interpretation of the first electrical data.

Hoping that the above consideration might be of some interest to you, I remain,

Sincerely yours,

(A. Gritzaenko)

ANNEX 2

Recommendations of Consultant	Fulfilment (Yes/No)	Brief result of fulfilment
1	2	3
<u>Professor I.I.Gurvitch</u> (January-April 1964)		
1. To define more exactly the direction of geophysical education in different Universities (including Andhra Pradesh),	Yes	The direction of the geophysical education in Osmania University is exploration geophysics.
2. It is desirable to replace the present system of geophysical education by an integrated course as it is quite necessary to provide sufficient education in mathematics, physics, etc. during the first three years of training.	Yes	Now the full course of training is six years. The physical-mathematical subjects are studied during the first three years, and specialized subjects of technology, physics, mathematics, electronics, etc. during the next three years (M.Sc.).
3. It is desirable to provide all selected centres with teachers of high qualification. If it is possible to invite for those persons prominent geophysicists? Working in survey	Yes	The Geophysics Department has sent to the USSR on the Unesco fellowship programme three members of the staff. Mr. M.S.VIJAYARAGHAVA was trained in Seismic prospecting for one year. Now he is a lecturer in the Department. Mr. S. MURALI was trained in electrical prospecting for one year. Now he is a lecturer. Mr. S.M. VARAPRASADA RAO is now in the USSR for training in gravimetric and magnetic prospecting. Staff members of National Geophysical Research Institute (Hyderabad) delivered lectures in different subjects of geophysical exploration.
4. To supply the selected centres with a minimum amount of education equipment in exploration geophysics, physics, electronics as well as space for education and research work.	Yes	Now geophysical faculty has: magnetic balances ... 6 gravimeters ... 2 electric compensators ... 2 potentiometers ... 1 maggers ... 2 seismic unit ... 1 All the geophysical instruments are used in practical work. The amount of laboratory equipment is, however, not sufficient yet.

Recommendations of Consultant	Fulfilment (Yes/No)	Brief result of fulfilment
1	2	3
5. To increase the practical education of students (to send them for academic or practical field education not less than 4-5 times (30-40 weeks) during the 5 year period.	Partly	Total period of students' training in the field is 4-5 weeks, which is quite insufficient.
<u>Professor A. Tarkhov</u> (December 1964 - March 1965)		
6. It is very desirable to organize the training in geophysics of not less than 3 years duration.	Yes	The full period of studies is now 6 years, 3 years for B.Sc. and 3 years for M.Sc.
7. It is desirable to change the syllabus in respect of geophysical methods at prospecting.	Yes	The syllabus is given in Annex. 3.
8. It is necessary to provide students with the textbooks corresponding to the existing high level of development of geophysical methods of prospecting. Some books from the USSR must be translated, and from the USA must be reprinted.	Partly	The problem is still far from final solution  A special course of gravimetrical and magnetic prospecting was written by Dr. V. Mironov "Geophysical methods prospecting". A general course was written by Professor Gritzaenko. "Introduction of geophysical prospecting for ore deposits" was written by Professor A. Tarkhov.
9. Practical experience in geophysics is insufficient.	No	The period of field practice is still too short.
10. Research work in geophysics nowadays is carried out in very limited volume.	No	The volume of research work is still small.
11. Geophysicists of Osmania University do not take part in industrial field work, but without these it would not be possible to organize the best practical for students and to improve the scientific researches work.	Yes	Geophysical Department has two electro-prospecting teams (DP and SP methods). Electro-prospecting Survey in the Nizam observatory area was done.  The gravimetric polygon was created.

Recommendations of Consultant	Fulfil- ment (Yes/No)	Brief result of fulfilment
12. Unesco fellowships from this Department should be sent. It is very important to send at least one scientist for specialization in electrical prospecting.	Yes	See page 2
13. Permanent Unesco expert can stay at Osmania University for at least one year.	None	

ANNEX 3

**SUBJECT-WISE ANALYSIS OF GEOPHYSICAL EDUCATION  
AT OSMANIA UNIVERSITY**

Subjects	Number of Hours			
	Lectures	Practic.	Total	
1. Mathematics	840	300	1140	For three years
2. Physics	570	570	1140	B.Sc.
3. Geology	570	570	1140	
1. Physics	128	128	256	First year
2. Electronics	128	128	256	of M.Sc.
3. Structural geology	54	27	81	
4. Petrology	54	27	81	
5. Mathematics	96	-	96	Second year
Economic geology	80	80	160	of M.Sc.
6. Gravimetric prospec- ting	128	192	320	
7. Magnetic prospecting	128	192	320	
8. Electrical prospec- ting	128	192	320	
9. Seismic prospecting	128	192	320	Third year
10. General geophysics	60	-	60	of M.Sc.
Field work			5	
			weeks	
Dissertation work			5	
			weeks	

UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No 50: To receive a note regarding some difficulties pointed out by the Indian students in U.S.S.R. to the Indian Delegation in connection with the Soviet Scholarships Scheme.

...

During the course of the visit of the Indian Delegation in April, 1967 to U.S.S.R. consisting of Nawab Ali Yawar Jung, Prof. A.R. Wadia and Dr. D.C. Pavate some Indian students who have been deputed to visit U.S.S.R. by the Government of India, Ministry of Education under the scholarships Scheme brought some of their difficulties to their notice. A copy of the letter sent to the Secretary, University Grants Commission by Dr. Pavate in this connection is attached as Appendix I.

One of the points mentioned in Dr. Pavate's letter is that there are 50 seats for India at Lumumba University and that India is not availing of the opportunity to utilize even 50% of the seats. He has, therefore, stressed the need for taking full advantage of the opportunity afforded by Russia in view of the high standard of education prevalent in that country. In this connection it may be mentioned that the above scholarships in respect of which the Lumumba University affords facilities for Indian students are covered under the under-graduate scholarship scheme which is dealt with by the Ministry of Education.

Another point mentioned by Dr. Pavate relates to some cases in which the Government of India nominates scholars for Post-Graduate Scholarships. It is insisted that expenses connected with the outward passage of Indian teachers be met by the candidates concerned. As the teachers are very often not in a position to meet this expenditure, it should be borne by the Government of India or the University Grants Commission.

So far as the University Grants Commission is concerned, only a small number of seats under the Post-Graduate Scholarship Scheme of the U.S.S.R. are allotted to the Commission, during the current year (1967-68), it being limited 10 seats out of a total number of 45 scholarships. It may be mentioned that the Commission has undertaken to meet the outward passage of its nominees from Delhi to U.S.S.R., the expenses in the U.S.S.R. and return passage being borne by the Soviet authorities. The Commission, however, has not undertaken to meet the expenses connected with the 'Local Costs' of the teachers. A circular letter issued by the Commission to the Universities detailing the terms and conditions of award in this connection is attached as Appendix II.

The matter is placed before the Commission for consideration.

E.O.(G)



Appendix I to Item No. 50

Copy of letter No. Nil dated 16th June, 1967  
from Dr. D.C. Pavate, Vice-Chancellor, Karnatak  
University, Dharwar to Shri K.L. Joshi, Secretary,  
University Grants Commission, New Delhi.

...

While our team was touring in Russia in April, last,  
many students pointedly brought their difficulties to our notice.  
Although Lumumba University has 50 seats for India, we are not  
sending even half the number allotted to us. In my view, education  
given in Russia is of a high standard. Some of our students will  
benefit from it and we must allow our teachers and other scholars  
to take advantage of the opportunities afforded by Russia.

One of our Lecturers has been nominated by the Govt.  
of India for the U.S.S.R. Scholarship during 1967-68. Under that  
Scheme, it is mentioned that the onward passage will have to be  
borne by the candidate himself or by the Government of India or  
the employer. The Lecturers in our universities are not in such  
a position as to bear their passage. That will have to be met either  
by the Government of India or the university or the U.G.C. Otherwise,  
such scholarships will not be taken advantage of. In any case,  
ultimately the Government of India or the U.G.C. will have to bear  
the cost of passage. Otherwise, the number of our scholars in  
Russia will further go down to the detriment of our higher education.

I wonder whether the University Grants Commission will  
take up this question with the Government of India.

...

Appendix II to Item No.50

Copy of Circular letter No.F.51-5/67(G) dated 6th March, 1967 issued by the University Grants Commission, New Delhi to all the Universities in India.

...

Subject: NOMINATION OF UNIVERSITY/COLLEGE TEACHERS TO THE U.S.S.R. UNDER THE SCHOLARSHIP SCHEME, 1967-68.

...

The University Grants Commission has been requested by the Government of India to recommend 10 teachers to the U.S.S.R. for post-graduate studies/research and for higher specialization/training during the year 1967-68 in the following subjects. The period of specialization/training under this Scheme will be one to two years (including the training in the Russian language):

- i) Astronomy, Botany, Microbiology, Chemistry, Geology including prospecting, Geophysics, Physics, Zoology, Pharmacy and Agriculture.
- ii) Oceanography.
- iii) Mathematics.
- iv) Cartography.
- v) Mechanical Engineering, Heat Power Engineering, Machine Design and Construction, Workshop Technology, Metallurgy, Mining with special reference to Coal & Mechanical Methods, Petroleum and Gas Engineering, Mineral Technology, Chemical Engineering, Electrical Engineering and Servo-mechanism.
- vi) Radio Engineering and Communications:  
Radio Engineering, Telegraph and Telephones, Radio Communications and Broadcasting.
- vii) Land Hydrology.
- viii) Russian Language and Literature.

₹Roubles  
150/-

2. The selected candidate; will be paid a stipend of Roubles 80 per month during the period of training in the Russian language and upto ₹per month during the remaining period. He will not be allowed to remit the scholarship amount to India.

3. Under this Scheme, the cost of the out-ward passage from Delhi to U.S.S.R. of the selected candidates will be met by the UGC, and the expenses in the USSR and return passage will be met by the Soviet authorities.

4. Candidates should not be more than 35 years of age as on the 1st September, 1967.

5. It may please be noted that the University will have to pay 'Local Costs' which include regular salaries to trainees, expenditure on travel upto the port of Embarkation, pass-port fees etc., wherever necessary, the University will have to make temporary arrangements for the substitutes of the selected candidates.

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6. The trainee will also have to give an assurance in writing to the University/College to serve for a period of 3 years on return to India after completing the training in USSR or in the alternative to pay the amount spent on the trainee.

7. It is requested that nominations of two teachers from your University Departments/affiliated colleges in the subjects may kindly be sent in the prescribed proforma to the Commission so as to reach this office latest by the 25th March, 1967. Nominations received thereafter may not be entertained.

8. The selected candidates will be required to join the Soviet Institutions for training/research during the period August-September, 1967. Preference will be given to scholars who know the Russian language.

....

UNIVERSITY GRANTS COMMISSION.

Meeting:  
Dated: 5th July, 1967.

Item No.51: To consider the following proposals received from the Delhi University:

- (a) Provision of Senior Grade Lecturers in the Evening Colleges of the University p.179-181
- (b) Instituting B.Sc.(General) Group 'B' Course in the Hindu College and Kirori Mal College with effect from the academic year 1967-68. p.182-184
- (c) Additional staff & accommodation for the Department of Chemistry for increased admissions to the M.Sc. course. p.185-188

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UNIVERSITY GRANTS COMMISSION

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Meeting: -

Dated: 5th July, 1967.

Item 51(a):- To consider a proposal of the Delhi University for provision of Senior Grade Lecturers in the Evening Colleges of the University.

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At its meeting held on the 1st February, 1967, the Commission considered for the second time the proposal of the Delhi University for provision of Senior Grade Lecturers in the Evening Colleges of the University. A copy of the note placed before the Commission is attached (Annexure). The Commission has regretted its inability to accept the proposal of the Delhi University for provision of Senior Grade Lecturers in the Evening classes of the University. The University was informed accordingly.

2. The University has again approached the Commission for re-consideration of its decision and identical treatment of teachers of the Day and Evening Colleges in respect of the Senior Grade. An extract from the letter of the University in this regard is reproduced below :-

" (i) The qualifications required for the appointment of teachers in the Evening Colleges are precisely the same as those for teachers in the Day Colleges. The procedure of selection and the composition of the Selection Committee are absolutely the same. When there are vacancies in both Day and Evening Classes which are quite often, a decision about the allocation of teachers either to Day classes or Evening classes is made only after joint selection. Sometimes, comparatively more experienced and mature teachers are assigned to the Evening Classes, in view of the fact that students in Evening classes are generally more mature.

(ii) In view of the revised eligibility requirements, the Lecturers of the Evening Classes are no more debarred from being placed in the selection grade if they show the necessary aptitude for academic pursuits and research. The stress is not on the chance element of finding opportunity to teach Honours Classes, but the quality of academic attainments and continuous intellectual pursuits.

(iii) The analysis of University Examination results also presents not an unfavourable picture of the quality of teaching in Evening classes.

(iv) There are as many as five Colleges running evening classes. The combined strength of the teaching staff of these five Colleges is 110. Promotion of twenty-five per cent of them to the Selection Grade would mean the upgrading of 28 Lecturers. Assuming that the senior members of the staff will have a chance of being selected, the additional cost involved would be Rs.33,600.00, which is not a high proportion of the total expenditure involved in maintaining senior-grade posts.

p.t.o.

The Commission may consider the alternative disadvantages flowing from the decision to make the teachers in the Evening Colleges ineligible for a senior-grade posts. These teachers have been suffering from frustration based on the fact that they are being discriminated against, only because they have not had a chance of teaching Honours Classes, although they are qualified to do so. They represent an unstable element. This is not conducive to the healthy growth of evening institutions which now have become part of the collegiate structure."

The matter is placed before the Commission for consideration.

A.S.(CU)

UNIVERSITY GRANTS COMMISSION

To consider the proposal received from Delhi University for provision of Senior Grade Lecturers in the Evening Colleges of the University.

...

At its meeting held on 6th July, 1966 (Item No.55), the Commission, inter-alia, considered the proposal of the Delhi University for provision of posts of Senior Grade Lecturers in the Evening Colleges of the University. At present there is no provision for such posts as the Evening Colleges have facilities for teaching B.A.(Pass) course only and Senior Grade Lecturers are provided only in Colleges imparting instruction for Honours Classes. The University had indicated that since there are neither Honours classes in the Evening Colleges nor is there any possibility of their having Honours classes, there could be a case for Selection Grade posts in the Evening Colleges if the incumbents are associated with the Honours teaching in the Day Classes. It had further suggested that for purposes of Selection Grade posts Day Classes and Evening Classes could be treated as part of the same College and 25% of the Selection Grade posts may be on the basis of the total number of permanent lecturers both in the Day and Evening Classes. The University had stated that it recognised this fact for purposes of Teachers' representation on the Governing Body of the College. The Commission could not, however, accept the proposal of the Delhi University for the application of the scheme of Senior Grade Lecturers to the staff of the Evening Classes.

2. The University has again approached the Commission for reconsideration of the matter. The University is of the view that the decision might be more liberal in respect of the teachers working in the Evening Classes. It has been stated that there should be no bar to the teachers in Evening Colleges being promoted to the Selection Grade as they are recruited through the same Selection Committees as for Day teachers and the condition of Honours teaching is no more a part of the qualifications for promotion to the Selection Grade in the Colleges. It is also mentioned that the minimum qualifications prescribed for teachers both for the Day and Evening Classes are the same and for purposes of representation of teachers in the various bodies of the University, teachers working in Day and Evening classes are placed in a common pool. The University has therefore desired that the Commission may agree to the application of the selection grade scheme to the staff of the Evening Classes as well.

3. It may be pointed out that the basis for payment of grants to the Colleges for Day and Evening Classes are different.

The matter is placed before the Commission for consideration.

University Grants Commission

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Meeting:

Dated 5th July 1967

Item No.51(b): To consider the proposal received from the  
Delhi University for instituting B.Sc.(General)  
Group 'B' course in the Hindu College and Kirori  
Mal College with effect from the academic year 1967-68.

....

The University of Delhi recently considered the question of increase in the admission in the B.Sc.(General) Group 'B' classes and has recommended that the Hindu College and the Kirori Mal College may be permitted to institute the course with effect from July, 1967.

2. The University has recommended payment of a grant of Rs.60,000/- on cent percent basis to the Hindu College for constructing a laboratory for starting the B.Sc.(General) Group 'B' course. A copy of the letter received from the University in this regard is attached. (Appendix I).

3. A copy of the letter addressed to the Dean of the Faculty of Science in the University of Delhi by the Kirori Mal College in regard to their requirements for instituting the B.Sc.(General) Group 'B' course from July, 1967 is attached (Appendix II). The College has asked for a grant of Rs.60,000 to Rs.70,000/- for setting up laboratories and sanction of two Lecturers for the Biology Department and one for the Chemistry Department over and above the permissible strength. They also require additional equipment but details in this regard or its estimated cost have not been indicated.

4. The Commission has laid down the basis of assistance for Colleges for instituting B.Sc.(General) Group 'A' Courses. But no norms have so far been laid down in respect of assistance to Colleges which desire to start B.Sc.(General) Group 'B' Courses. The basis on which assistance for non-recurring expenditure for the purpose is to be given to the Colleges is also to be considered by the Commission under Item.22 of this meeting.

5. The proposal of the University for starting B.Sc.(General) Group 'B' Course in the Hindu and Kirori Mal Colleges and assistance required by them for the purpose is placed before the Commission for consideration.

A.S. (CU)



Annexure I to Item No.51(b).  
Meeting : Dated, the 5th July, 1967.

Copy of letter No.4/37/67-CB/5271 dated 22/25th May, 1967 from the Registrar, Delhi University addressed to the Secretary, University Grants Commission regarding the institution of B.Sc. (General) Group 'B' course in the Hindu College, Delhi.

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At the meeting of the Principals of Colleges and the Deans of the Faculties with the Vice-Chancellor held on 14th April, 1967, the question of increased admissions in the Colleges was considered. In respect of increase in the admissions in the B.Sc.(Genl.) Gr. 'B' classes, the Principal, Hindu College informed the meeting that it would be possible for the College to start B.Sc. (General) Group 'B' Course from the session 1967-68 and to admit 60 students to the course if the U.G.C. would agree to provide 100% grant to the College for construction of one room to house the laboratory. The Principal was requested to intimate the dimensions of the room required.

The Principal's reply dated 9th May 1967 was obtained and the Science Courses Admission Committee at its meeting held on 9th May, 1967 considered the letter from the Principal, Hindu College. The Science Courses Admission Committee has recommended that the College may be permitted to start Group 'B' from July, 1967 and that the U.G.C. may be approached to sanction for the College a grant of Rs.60,000/- on a cent per cent basis for constructing a laboratory which will be required for this purpose, as per dimensions enclosed.

I shall, therefore, be grateful if you will kindly place the matter before the Commission and convey their approval at an early date so that B.Sc.(Genl.) Group 'B' may be started in Hindu College from July, 1967.

Dated 5th July 1967

Copy of letter No.775 dated 20.5.1967 from the Principal, Kirori Mal College, Delhi to Prof. R.P. Mitra, Dean, Faculty of Science, University of Delhi, Delhi.

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Reference my talk with you on the question of starting B.Sc. (General) Group B Classes in this College. I summarize below the points raised by me in the course of our discussion on the above subject.

1. The starting of B.Sc. (General) Group 'B' classes would mean increased pressure on Chemistry Laboratory and division of the present Biology Laboratory into two sections, Botany and Zoology. This latter arrangement, however, may not be as suitable as setting up of a separate Botany Laboratory. It is estimated that these two projects will cost about Rs.80 to 90 thousand. It would be possible for the College to secure a grant not exceeding Rs.20,000/- from the Trust, but the remaining amount has to be sanctioned by the University Grants Commission before the project can be taken in hand.
2. In addition to the above, the setting up of two Laboratories will mean additional equipment and laboratory staff. In this connection reference is invited to our letter No.19832 dated 4.2.63 wherein we had pointed out the equipment available at the College at present.
3. At present Biology Department consists of two lecturers only. We would naturally need the services of two well qualified and experienced lecturers to strengthen the Department. In addition to the two teachers in the Department of Botany and Zoology, an additional lecturer may be needed for the Chemistry Department.
4. The College has a faculty-strength of seventy odd lecturers. This is just the sanctioned strength according to the University Grants Commission formula for calculating teacher pupil ratio. The staff demanded in para 3 above will therefore have to be sanctioned over and above the permissible strength.

I hope you will kindly move the appropriate authorities to sanction an adequate grant to meet our demands for laboratories, staff and equipment in order that it may be possible for the College to start B.Sc. B. Group classes from 1967-68. The Governing Body will need a firm assurance on the above points before they give their consent to our starting a new course.

University Grants Commission

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Meeting:

Dated 5th July 1967

Item No.51(c): To consider the proposal received from the Delhi University for additional staff and accommodation for the Department of Chemistry for increased admissions to the M.Sc. course.

The University of Delhi has forwarded a proposal relating to the additional requirements of the teaching staff, apparatus and chemicals as well as new buildings required by it consequent upon the university's decision to increase its admissions to the M.Sc. course in Chemistry from 45 to 80 from July 1967. The Vice-Chancellor, University of Delhi, while forwarding the proposal has stated as under in his D.O. letter addressed to the Chairman, U.G.C. :

"My purpose in writing to you again now is to call your attention to the difficult situation we may be placed in at the beginning of the next academic session 1967 in regard to admissions to our M.Sc. courses. To illustrate the difficulty of our position, the total number of sanctioned places in the M.Sc. classes in Chemistry is 45. This year we had 20 students in the M.Sc. Previous class and 25 in the M.Sc. Final class. In July, 1967, 20 students now in the previous class would join the M.Sc. Final class. This would mean that, if we are to keep within our sanctioned strength, we can admit only 25 new entrants. This year, 33 students have passed the B.Sc. Honours examination in Chemistry in the 1st Division. Almost all of them would seek admission to the M.Sc. Course. An equally large number of students who obtained high second Division would also seek admission. This would mean that, unless we refuse admission to meritorious and really deserving students, we shall have to admit a minimum number of 40 students. My assessment is that this would be clearly impossible, with our existing resources.

The anticipated heavy demand for admission to the M.Sc. courses is no doubt the logical consequence of increased admissions to the Honours Courses. 55 students appeared for the B.Sc. Honours examination in 1966, as compared with 99 in 1967. Next year, many more would do so. By admitting more students to the Honours courses, we are, more or less, committed to admitting more students at the postgraduate level. Keeping this in view, we had asked for more laboratory space and academic staff for a much larger intake of M.Sc. students in the near future."

The additional requirements proposed by the University are as under:

Staff: 2 Readers, 1 Senior Laboratory Assistant and 3 Laboratory Attendants - Estimated expenditure= Rs. 25,000 p.a.

p. t. o.

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<u>Chemicals &amp; Apparatus:</u>	N.R.	Rs. 35,000/-
	R.	Es. 10,000/-

In the first year Es. 5,000/- only.

Building: 3 Laboratories (one each for Inorganic, Organic and Physical Chemistry for the M.Sc. (final) classes). Total laboratory space required = 6,000 sq.ft. The present M.Sc. (final) laboratories would be utilized for M.Sc. (previous) classes.

In this connection, it may be mentioned that the Fourth Plan Visiting Committee which examined the development proposals of the University of Delhi took note of the proposed increase in admissions in the Department of Chemistry and has recommended in its report the inclusion of an area of 5000 sq.ft. for the Department and that this additional area may be included in the multi-storeyed building proposed to be constructed for use by the Departments of Chemistry & Physics at an estimated cost of Es. 16 lakhs under the development programme and about Es. 7 lakhs under the Centres of Advanced Study Programme. The area presently occupied by the Department of Chemistry is nearly 72,441 sq.ft. The areas included in the multi-storeyed building to be constructed are approximately 72,000 sq.ft. to be shared equally between the Departments of Chemistry and Physics. The staff recommended by the Fourth Plan Visiting Committee whose report is under consideration of the Commission is 2 Professors, 3 Readers and 2 Senior Laboratory Assistants as well as Es. 10,000/- p.a. for laboratory staff for the department. The present staff strength is 5 Professors, 17 Readers and 20 Lecturers. Their teaching load is indicated in Appendix I.

The Commission in its meeting held on 3rd May 1967 while considering a proposal from the University of Delhi for additional staff and accommodation for the Departments of Physics and Chemistry for increased admissions to the honours courses resolved as under:

"The Commission agreed to the construction of additional accommodation upto 10,000 sq.ft. built up area for each of the Departments of Physics and Chemistry. As regards the maintenance expenditure for running the laboratories including the laboratory staff for the additional number of students the Commission desired that the University be requested to take this up as a part of the normal annual budget of the University."

The matter is placed before the Commission for consideration.

E.O.CAS/D.O. (CAS)

DEPARTMENT OF CHEMISTRY  
UNIVERSITY OF DELHI, DELHI-7

NAME OF THE TEACHER	NUMBER OF STUDENTS WHOSE RESEARCH WORK IS BEING SUPERVISED	NUMBER OF CLASSES PER WEEK		
		Theory	Practical	Tutorial

ORGANIC CHEMISTRYProfessors

1. Prof. S. Rangaswami	8	4	9	-
2. Prof. K.B.L. Mathur	2	5	9	-

Readers

1. Dr. G.S. Saharia	1	(on lien)		
2. Dr. S.K. Mukerjee	2	4	8	2
3. Dr. A.C. Jain	3	(on leave)		
4. Dr. S. Neelakantan	4	(on leave)		
5. Dr. M. Krishnamurti	1	(on leave)		
6. Dr. G.B.V. Subramanian	-	4	10	1
7. Dr. S.R. Gupta	1	2	10	2

Lecturers

1. Dr. H.G. Krishnamurthi	-	4	10	-
2. Dr. S.K. Arora		(on study leave)		
3. Dr. G.R. Nagarajan		2	10	2
4. Dr. S.K. Grover	-	2	10	1
5. Dr. M.R. Parthasarthy	-	2	10	4
6. Dr. A.S. Kukla	-	2	10	2
7. Dr. V. Krishnamoorthi	-	2	10	4
8. Dr. R.K. Multani	-	4	8	3
9. Dr. D.K. Bhardwaj	-	3	10	4
10. Dr. R.N. Khanna	-	3	10	2

INORGANIC CHEMISTRYProfessor

1. Prof. B.D. Jain	7	4	9	-
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Readers

1. Dr. K.R. Kar	2	3	8	1
2. Dr. R.P. Singh	6	3	9	2
3. Dr. K.N. Johri	2	3	12	-

Lecturer

1. Dr. A.N. Bhat	-	4	8	2
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Assistant Lecturer

1. Dr. Yag Datt	-	-	6	2
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NAME OF THE TEACHER	NUMBER OF STUDENTS WHOSE RESEARCH WORK IS BEING SUPERVISED	NUMBER OF CLASSES PER WEEK		
		Theory	Practical	Tutorial

PHYSICAL CHEMISTRY

Professor

1. Prof. R.P. Mitra	12	2	-	1
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Readers

1. Dr. Baldev Khosla	-	3	9	1
2. Dr. H.C. Gaur	2	4	8	1

Lecturers

1. Dr. N.R. Bannerjee	2	4	9	-
2. Dr. M.V.R. Rao	1	(On leave)		
3. Dr. (Miss) M. Atreyi	-	4	6	2
4. Dr. B.K. Sharma	1	3	8	2
5. Dr. H.C. Malhotra	-	4	10	1
6. Dr. S.K. Chatterjee	-	4	6	2

Assistant Lecturer

1. Mr. M.M. Kapoor	-	-	6	2
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ADVANCE CENTRE IN THE CHEMISTRY OF NATURAL PRODUCTS:-

Professor

1. Prof. V.V.S. Murti	2	2	8	3
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Readers

1. Dr. V.K. Ahluwalia	1	2	6	4
2. Dr. T.R. Rajagopalan	1	2	10	2
3. Dr. S.S. Chibber	1	4	10	-

Research Associates

1. Dr. K.G. Sarma	-	-	12	-
2. Dr. N.R. Krishnaswami	-	-	12	-

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.52: To consider the proposal of the Department of Botany of the University of Allahabad, Allahabad.

...

Dr. D.D. Pant, Professor, Department of Botany, University of Allahabad has requested the Commission to give special assistance for the improvement of physical facilities available in the Botany Department, during the Fourth Plan. The proposal involves an expenditure of Rs.19,47,900 (equipment - Rs.4,20,000; accommodation Rs.9,45,000; staff - 3,19,900; books and journals - Rs.1,06,000; furniture - Rs.49,000 repairs and replacement - Rs.38,000 and miscellaneous - Rs.70,000). A copy of the letter, along with its enclosures is attached as appendix.

In this connection it may be stated that the Fourth Plan Visiting Committee visited the Allahabad University on 17th and 18th January, 1967 and had detailed discussions with the Head of the Botany Department. Although the Visiting Committee felt that the difficulties faced by the department were genuine and the Department requires immediate assistance in certain directions, it, owing to the paucity of funds could include only those requirements which were inescapable. Following requirements of the department have been included by the Committee in its report which is also being considered by the Commission at this meeting. Building for Palaeo Botanical Lab -(2,000 sq.ft); furniture for laboratories, museum, and herbarium; fittings and air-conditioning of the photography room; repairs of fern house, additional equipment and the replacement of Microscopes, books and journals; jeep and one additional post of reader.

The matter is placed before the Commission for consideration.

E.O.(SS)

Appendix to Item No.52.

Copy of letter from Dr. Divya Darshan Pant, Head of the Department of Botany, University of Allahabad, Allahabad to Dr. D.S. Kothari, Chairman, University Grants Commission, New Delhi.

....

Recently when I assumed charge of this Department, I became suddenly aware of the uphill task which faces me. Accordingly, I write this S.O.S. to request your special help in upgrading the physical facilities in our long neglected Department.

As you know ours is one of the oldest University Departments of Botany and our University has been one of the premier institutions of higher education in India. The present number of seats in our Department is as follows:-

(a)	In undergraduate classes	i) B.Sc. Part I.....160
		ii) B.Sc. Part II.....160
(b)	In postgraduate classes	i) M.Sc. Previous and final in Botany... 40
		ii) M.Sc. Previous & final in Ag. Botany... 10
		iii) D.Phil. .... 43
		iv) D.Sc. .... 9
		Total: <u>422</u>

As against the above total of 422 students and another 16 teachers we have only 125 microscopes available for laboratory use. In this way there is an outright shortage of nearly 100 microscopes because at least 25 microscopes are needed in different classes for demonstration purposes. Further, about 100 out of our 125 microscopes are too old to be of any use - 75 of them are 43 or 44 years old, another 10 are at least 20 years old and 15 and 19 to 16 years old. We are thus short of nearly 200 microscopes. We have a single practical laboratory for 320 B.Sc. Part I and Part II students and it has only 33 seats to accommodate more than twice the number of students in each shift. The crowding of students is naturally harmful for maintaining proper standards of teaching and discipline. Again in our M.Sc. Previous and Final laboratories (which are common to Botany and M.Sc. Agricultural Botany) we have only 20 seats in each and we have to squeeze in 30 students in each of these laboratories. We have only one lecture theatre for all the classes and have to hold lectures in improvised accommodation. There are no seminar rooms whatsoever.

We are also greatly short of accommodation for research workers teachers, stores, books, library, museum, herbarium, office and a small departmental workshop. We are badly in need of a properly fitted glass house, a cool green house, books and journals including back volumes. For the last nearly 20 years our total recurring laboratory grant is Rs.14,940/- and our library grant is Rs.2,200/- only. With the impact of devaluation and rising prices all round our grant is not even a drop in an ocean of long standing



needs. But besides new requirements we need a substantial rehabilitation grant for repairs and replacements in our old buildings, electrical fittings, fans, furniture and equipments. We need additional space to expand our botanical garden and farm. Again, if you compare the number of students in our department with the number of teachers or members of our non-teaching staff, they fall far short of our requirements. Compared to our 422, the total number of students in B.Sc., B.Sc.(Hons.), M.Sc. and Research classes in the University of Delhi is only about 100 but they have 22 teachers (compared to our 16) and they have numerous technical assistants. The annual recurring grant of the botany Department in Delhi University is Rs.1,56,000/- and their book and other grants amount to another 3 to 4 lacs annually.

Accordingly there is a terrible disparity between facilities available in our Department and in others and yet our teaching and research output is inferior to none, if not better. Uptodate nearly 50 students have taken their D.Phil. degrees and about 6 their D.Sc. and nearly 600 papers have been published by members of our staff and students. Our palaeobotanical contributions in particular have won the highest encomiums from world authorities. Knowingly or unknowingly our Department of Botany, whose alumni are heading many a Department in other Universities, is being forcibly downgraded while other Departments including those of some new universities are being boosted up.

We have a strong feeling here that the U.G.C. National Committees for allocation of grants, etc., are dominated by men from Delhi and the Central Universities and naturally we are being given a step-motherly treatment in every allocation. Our State Government too is oblivious of these facts and yielding to political pressure by adding new universities instead of helping its older universities.

it All the same with yourself, an old alumnus of our University at the helm of affairs in the U.G.C., is too much for us to expect a fair deal in the allocation of grants? Is the Allahabad University, which has produced man like yourself Professor P. Maheshwari, Dr. Atma Ram and others so thoroughly bad that there is no Department here which is fit for an advance Centre of the U.G.C.? As far as I can judge, we have all the potentialities of a first class Department. I take this opportunity to invite you to visit this Department and test for yourself the veracity of my statement.

I am herewith submitting a full list of our urgent and minimum requirements and I request you to kindly appoint a competent body to adjudge our needs and thereafter sanction a substantial grant from the U.G.C. funds for this Department, because a normal allocation cannot fulfil our needs. If you like you may refer our case to competent foreign experts like Professor R.J. Rodin of California, now a Visiting Fulbright Professor in the Botany Department of Delhi University, who has visited our Department and knows our needs (see attached letter) You may also consult men like Professor T.M. Harris, F.R.S., of the Department of Botany at Reading University, who is a former Vice-President of the Royal Society or Professor John Walton, Regius Professor Emeritus of Glasgow University, for their opinion about our palaeobotanical and morphological work. On my request Prof. T.M. Harris has kindly agreed to act as a referee and I enclose herewith a photostat copy of his letter for your kind persual.

In case you are short of funds to cope up with our full requirements, may I request you to recommend our case to the U.S. National Council of Science Education.

Copy of letter from Professor R.J. Rodin of California, Visiting Fulbright Professor in the Botany Department of Delhi University, Delhi to Professor D.D. Pant, Botany Department, University of Allahabad, Allahabad.

...

First I would like to thank you for all your hospitality, and your kind wife should be included to, for it was a joy to be in your department and in your home.

I hope you do not think I have forgotten our discussion in which I promised to see if any money was available for equipment to upgrade your teaching. Unfortunately the day after I returned home I became suddenly ill with kidney stones and have been in the hospital until last night. When I was in the hospital I had my wife call up Dr. Fuller, Science Attache at the U.S. Embassy, who I thought might give some advise. He has given me some leads, but this week if I am physically able, I shall attend the meeting of the orientation (required) for Fulbright Fellows. It may be next week until I will get around to visiting a couple of these officers.

Just to note some of the Physical needs in your Botany Laboratory, I will list here some of the items, we discussed:

3 Rotary Microtomes @	650	\$ 1,950
1 Sliding Microtome @	800	800
90 Monocular Compound Microscopes @	400	36,000
40 Sets prepared Slides		
50 slides per set @	25 sl.	2,500
10 Binocular Comp.Micr.@	700	<u>7,000</u>
		48,250

up I think more important is that someone is trained to set up a business making microscope slides for all the colleges and universities out here, perhaps started at your institution. I shall also ask Dr. Cormack about your getting a Fulbright Professor. It may take 2 years. I will let you know. She has had serious surgery in Bombay just over a week ago, so is not doing much yet.

I was pleased with the work your faculty and students are doing - Thanks you so much for the reprints, I value them very much!

...

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Copy of letter from Professor Tom.M. Harris,  
Botany Department, The University Reading,  
England to Dr. D.D. Pant, Department of Botany,  
University of Allahabad, Allahabad.

....

By all means make use of me as a referee in relation to  
your U.G.C. There is the clearest evidence that you have persisted  
in your research and have taken great trouble with it. On this basis  
it is reasonable to prophesy that you will continue to work hard  
and to produce very good results. I am sure that your U.G.C. will  
see the force of this simple argument!

I will try to get duplicates in Israel.

NEW EQUIPMENT

Sledge Microtome - One; Freezing Microtome - one; Rotary Microtomes - two & Rocking Microtome - four.	20,000
Muffle furnace	4,000
Stereobinoculars & Compound Microscopes	1,00,000
Air conditioners - six	24,000
Cine Camera	8,000
Cine Film Projector	6,000
Slide Projector - 2" x 2"	3,000
Slide Projector - 4" x 4"	3,000
Resin Exchange water purifying unit	8,000
Booster Transformers - six	4,000
Infra Red Unit	15,000
Microscope widefield - one	25,000
Water coolers - two (one for drinking water and another for the Dark Room)	6,000
Jeep with trailer	32,000
Refrigerators, cold and hot incubators for cultures, growing plants etc.	20,000
Living and fossil slides prepared for demonstration in classes	10,000
Tube well - one in Botany Garden	15,000
Installation of an inter com unit in Office, Stores, Library, Teachers' rooms and some of the rooms in the research laboratories.	12,000
Rock cutting machine	15,000
Grinding machine	5,000
Zeiss ultraphot for colour photomicrography	60,000
Leitz Orthomat	15,000
Focomat Universal Enlarger	10,000
Total:	<u>4,20,000</u>

ACCOMMODATION

Museum Hall - 800 sq.ft. and show cases	2,50,000
B.Sc. Laboratory - 3000 sq.ft.	75,000
Large Lecture Theatre with sound absorbers and other fittings - 2400 sq.ft.	80,000
Small Lecture Theatres - two (each 800 sq.ft.)	40,000
Basement store room - one 200 sq.ft.	30,000
Herbarium Hall with fittings - one - 1600 sq.ft.	50,000
Rest-cum-Reading Room - 600 sq.ft.	14,000
Teachers rooms - six - each 224 sq.ft.	36,000
Seminar Room - 1600 sq.ft.	40,000
Morphology Laboratory - 1000 sq.ft.	50,000
Workshop for Palaeobotany - 1600 sq.ft.	50,000
Seminar Room - 1600 sq.ft.	50,000
Glass House with arrangements for air cooling and increase of Humidity - one - 300 sq.ft.	80,000
Three-roomed Tissue Culture Laboratory with air conditioning and other fittings.	60,000
Cool Green House	20,000
Ponds for water plants	10,000
A plot of land about half acre and small building for a field laboratory in the Reninganj coalfield	30,000
Total:	<u>9,65,000</u>

S T A F F

Readers - three (for 5 years)	1,30,300
Lecturer in sustematics-cum-Curator for Garden and Herbarium - one - (700-40-1200)	27,000
Lecturer in Morphology-cum-Curatrør for Museum - one - (400-30-640-40-800)	27,000
Fossil Section cutter machanic - one -(110-8-150-10-200)	12,200
Typist Assistant - two (110-8-150-10-200)	24,200
Library Assistant - one (150-8-190-12-250)	13,200
Electrician to look after cold room and other electric appliances - one (75-5-125)	<u>9,600</u>
Total:	<u>2,43,500</u>

BOOKS AND JOURNALS

Old Journals	30,000
New Journals	40,000
Books	20,000
Microfilms and photocopies	5,000
Slides and colour transperancies	5,000
Microfilm reader	<u>6,000</u>
Total:	<u>1,06,000</u>

FURNITURE

Chests of drawers and almirah for keeping material	5,000
Chests of drawers and almirah for class work, research type specimens etc.	5,000
Clide cabinets	2,000
Cabinet for keeping microfilms	3,000
Almirahs for herbarium	13,000
Almirahs for class room to keep material	4,000
File cabinets	6,000
Index card cabinets for Library, Muceum & Herbarium	4,000
Cabint for keeping slides - 2"x2" & 4"x4"	3,000
Almirah for Store	<u>2,000</u>
Total:	<u>49,000</u>

REPAIRS AND REPLACEMENTS

Repair of equipment and accessories	15,000
Fern House repairs	3,000
Replacement of Electric Wring, Switches, Fans and conversion of D.C. into A.C.	15,000
Replacement of old furnitures, e.g., old chairs, tables, stools, black-boards etc.	<u>5,000</u>
Total:	<u>38,000</u>

ISCELLANEOUS

Grant for Garden, Lab. & Carpenter's ordinary and electrical tools	10,000
A plot of land for extension of Botany Garden and experimental farm	<u>60,000</u>
Total:	<u>70,000</u>

GRAND TOTAL

New Equipment	4,20,000
Accommodation	9,45,000
Staff	3,19,000
Books & Journals	1,06,000
Furniture	49,000
Repairs & Replacements	38,000
Miscellaneous	<u>70,000</u>
Total:	<u>19,47,900</u>

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.53: To consider the proposal of the Mysore University regarding revision of salary scales of its teachers as per 3rd Plan scales of pay w.e.f. 1.4.1962 instead of 1.4.1964.

...

The Commission at its meeting held on 6th November, 1963 (Item No.49) accepted the proposal of the Mysore University regarding the revision of salary scales of its teachers w.e.f. 1.4.1962 and decided that assistance, in the first instance, will be given for the duration of the 3rd plan period, and the question of further assistance be reviewed at the end of the III plan. Later on, at the request of the University, the Commission agreed that assistance for the revision of the scales of pay of University teachers be given for a period of 5 years from the date of implementation i.e. 1.4.1964 (Item No.31 dated 5.8.64). Accordingly grants have been paid to the University on this account for the period from 1964 to 1966, as given below:-

1965-66	1,42,739.50
1966-67	<u>1,25,000.00</u>
Total:	<u>2,67,739.50</u>

The Mysore University has now requested the Commission for the application of the 3rd plan scales of pay to the teaching staff w.e.f. 1.4.1962 for a period of five years, instead of 1.4.1964. The University has stated that the State Government has now agreed to the adoption of the 3rd plan scales from that date (a copy of the letter from the Mysore University is attached as appendix). In this connection it may be stated that Commission's liability would be less if the proposal of the University is accepted, since most of the existing vacancies have been filled after 1962.

••The matter is placed before the Commission for consideration.

E.O.(SS)/D.O.(SI)

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Appendix to Item No.53.

Copy of a letter No.D1-87/61-62 dated 27.4.1967 from the Offg. Registrar, University of Mysore addressed to the Secretary, University Grants Commission, New Delhi.

...

**Subject:** Revision of salary scales of University, Teachers under the III Five Year Plan.

I am directed to invite reference to this office letter of even number dated 6/8.8.1966, requesting sanction of the Commission to the adoption of the III Plan Scales for the teachers of the Post-graduate Department of this University w.e.f.1.4.1961. At present, this revised scales of pay has been given with effect from 1.4.1964. The State Government in their letter No.ED 15 MUN 67 dated 18.4.67, have stated that the Government have no objection to the adoption of the III Plan UGC Scales of pay for the teachers of the Post-graduate Departments w.e.f. 1.4.1962 (copy enclosed). In this connection, I am to invite your kind reference to your letter No.F.6-41/63(SS) dated 11.12.63 addressed to the Secretary to the Government of Mysore, Bangalore and copy to this office wherein you had conveyed the decision of the Commission that the revised scales may be given by the Mysore University w.e.f. 1.4.1962. I am also to invite reference to your letter No.F.65-41/63(SS) dated 29.8.64 wherein you have agreed to give assistance for the revision of scales of pay for a period of five years from the date of implementation. As such, I am to request you kindly obtain and communicate the sanction of the U.G.C. for adoption of UGC III Plan Scales to the teaching staff of the Post-graduate Departments of this University w.e.f. 1.4.1962 and to agree to give assistance for a period of 5 years from 1.4.1962 as the State Government has now agreed to the adoption of Third Plan Scales from that date.

The favour of an early sanction is requested.

...

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Copy of a letter No.ED 15 MUN 67 dated 18.4.67 from the Secretary to the Govt. of Mysore, addressed to the Registrar Mysore University.

...

Subject: Revision of salary scales of University Teachers under the III Five Year Plan.

With reference to your D.O. letter No.DI-87/61-62 dated 8.2.67 on the subject noted above, I am directed to state that Govt. have no objection to the adoption of the III Plan University Grants Commission scales of pay for the teachers of the Post-graduate Departments w.e.f. 1.4.1962 subject to the condition indicated in Government letter No.ED 46 MUN 61 dated 25.2.64.

2. The entire expenditure to be incurred on this account during the IV Five Year Plan will have to be met by the University from the Block grant, since the probable expenditure to be incurred, has already been taken into account while sanctioning the Block grant to the University.

3. This issues with the concurrence of Finance Department vide their U.O.No.199/CWI/67 dated 30.3.1967.

....



University Grants Commission

(199)

Meeting:

Dated 5th July 1967

Item No.54: To consider a proposal from Prof. P.N. Mehra, Head of the Department of Botany, Panjab University for the establishment of a special cell to promote researches in Botany in one of the colleges of Shillong.

The University Grants Commission appointed a Committee to discuss measures for promoting channels of academic communication between the hill areas of North Eastern India and other parts of the country. The Committee met on 1st May, 1967. The Committee, amongst other things, recommended that:

"As studies and researches in Botany would be of the utmost importance to the development of hill areas, it would be helpful if the Botany Department of the Panjab University could establish a special cell in one of the colleges of Shillong. The cell could be supported by U.G.C. Dr. Mehra kindly agreed to make a preliminary study of the potentialities of the area and to send a detailed proposal to the U.G.C."

In pursuance of the above recommendations of the Committee, Prof. P.N. Mehra, Head of the Botany Department, Panjab University, has submitted a proposal for Commission's approval. A copy of the proposal received from Prof. Mehra is enclosed as Appendix I.

The proposal, in question, involves a total expenditure of Rs.1,83,740/- (Rs.60,000/- (N.R.) + Rs.1,23,740/- (R) p.a.), as detailed below:-

<u>Purpose</u>	<u>Total expenditure involved</u>
<b>I. <u>Non-recurring:</u></b>	Rs.
Equipment	60,000/-
<b>II. <u>Recurring:</u></b>	
i) Towards the salary of 2 Readers, 4 Research Associates, one Photographer-cum-Artist, Two field collectors, Two Lab. Attendants, One Stenotypist and 8 Research scholarships.	73,740/- (p.a.)
ii) <u>Maintenance etc.</u>	
Chemical & Glass ware, contingency & travel within the area.	50,000/- (p.a.)

p.t.o.

The main objects of the scheme are:

- i) Exploration of plants of economic and medicinal importance growing in the area and working out their cytology, biology of reproduction and the most suitable environmental and soil conditions for the cultivation of selected few on a large scale.
- ii) Exploration of the forest wealth of the area particularly in respect of important timber trees and the location, as far as possible, of the plus trees which might act as a source of seed for any future plantation.

It is expected that this will lead to the enhancement of the timber potential of this part of the country.

The matter is placed before the Commission for consideration.

R. O. (S)

Dated 5th July 1967.

Proposal for the establishment of a special cell to promote researches in Botany which might be of importance to the development of hill areas, as submitted by Prof. P.N.Mehra, Head of the Department of Botany, Panjab University, Chandigarh.

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This proposal envisages investigations in Applied Botany with a view to explore the botanical wealth of the hill areas in the North-Eastern part of the country with the ultimate objective of exploitation of its resources. Two major aspects will engage attention of the research workers in the project: 1) Exploration of plants of economic and medicinal importance growing in a state of nature in the area and working out their cytology, biology of reproduction and the most suitable environmental and soil conditions for the cultivation of a selected few on a large scale. 2) Exploration of the forest wealth of the area particularly in respect of important timber trees and the location, as far as possible, of the plus trees which might act as a source of seed for any future plantation. It is expected that this will lead to the enhancement of the timber potential of this part of the country.

The staff and equipment required for this purpose will be as follows:-

<u>Staff (Recurring)</u>	<u>Rs. (P.A.)</u>
One Reader in Systematics and Ecology (Grade Rs.700-40-980-EB-40-1100)	8400
One Reader in Cytogenetics (Grade Rs.700-40-980-EB-40-1100)	8400
Research Associate in Systematic Botany (Grade Rs.400-30-640-EB-40-800)	4800
Research Associate for investigations in medicinal plants. (Grade Rs.400-30-640-EB-40-800)	4800
Research Associate in Ecology (Grade Rs.400-30-640-EB-40-800)	4800
Research Associate in Agronomy (Grade Rs.400-30-640-EB-40-800)	4800
Eight Research Scholars from the area (Rs. 300 P.M. fixed)	28800
Photographer-cum-Artist (Grade Rs.200-10-300)	2400
Two Field Collectors (Grade Rs.110-3-131-4-143-EB-4-155)	2640

p.t.o.

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	<u>Rs. (P.A.)</u>
Two Laboratory Attendants (Grade Rs. 90-3-120)	2160
One Steno-Typist (Grade Rs. 145-7-190-12-200)	1740
	<hr/>

The staff will be entitled to D.A. etc. according to the University rules applicable to persons residing outside its territorial jurisdiction.

Total Rs. 73,740

Recurring Expenditure

Chemicals and glassware	20,000
Contingency	15,000
Travel within the area	15,000
	<hr/>
	<u>Total Rs. 50,000</u>

Non-recurring expenditure (Equipment)

Four Research Microscopes	16,000
Four Binoculars	16,000
One Photographic Camera	5,000
Four Camera Lucidas	3,000
Jeep	20,000
	<hr/>
	<u>Total Rs. 60,000</u>

TOTAL RECURRING EXPENDITURE	1,23,740
TOTAL NON-RECURRING EXPENDITURE	60,000
	<hr/>
GRAND TOTAL RS.	<u>1,83,740</u>

The staff will be devoted primarily to research investigations but will also be required to deliver a course of lectures in their special fields of research to the post-graduate students in order to raise the general level of education in the subject. They will stay for a period of approximately 6-8 months or more as the nature of work requires at Shillong and adjacent hills and for a period of 4-6 months in the Department of Botany, Panjab University, Chandigarh in order to consolidate the report and write out the results of their investigations.

p. t. o.

The work will be carried under the supervision of Prof. P.N. Mehra, Prof. & Head of the Botany Department, Panjab University, Chandigarh. It is understood that laboratory facilities and a fairly extensive plot of land for field trials will be made available by the host institution. I have no idea of the housing accommodation facilities for the staff at Shillong but all steps shall have to be taken by the authorities to see that they are comfortably lodged so that they can give their best attention to the work assigned.

The scheme, if accepted, will be for five years in the first instance.

(204)

UNIVERSITY GRANTS COMMISSION

Meeting;

Dated: 5th July, 1967.

Item No. 55 :- To consider the proposal of the Rajasthan University for additional posts for Humanities, Social Sciences and Science Subjects.

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The Rajasthan University approached the University Grants Commission in March 1967 for approval of 7 Professorships, 4 Readerships and 1 Lecturership in the Departments of Zoology, Physics, English, Economics, Political Science, Hindi, Commerce and Continuing Education. The matter was placed before the Commission at its meeting held on 3rd May, 1967. The Visiting Committee's recommendation that the University be sanctioned 4 Professorships, 7 Readership and 2 Lecturerships for these Departments was also brought to the notice of the Commission in this connection. The Commission agreed to the creation of two posts of Professors and four Readers to be assigned to such departments as may be considered necessary by the University provided an assurance was given that the posts would be maintained by the University after the 4th Plan period (Resolution No. 33 dated 3rd May, 1967). The decision of the Commission was communicated to the University.

The Rajasthan University has replied that while the University required 7 Professorships for strengthening the departments, the Commission may immediately agree to the appointment of 5 Professors and 1 Reader. This, according to the University, may be done by converting 3 Readerships, out of the 4 the Commission has approved, and a few vacant Readerships which already exist in the University. Thus, it is stated that the University does not require any additional assistance towards this development for the time being. The University will come to the Commission for necessary assistance only after the Commission has approved the full staff originally asked for.

The Visiting Committee has recommended only 4 Professors, 7 Readers and 2 Lecturers against 7 Professors, 4 Readers and 1 Lecturer in the departments concerned, as desired by the University.

It is for consideration if the revised proposal of the University may be approved by the Commission. The expenditure on account of 4 Professors, 7 Readers and 2 Lecturers, as recommended by the Visiting Committee roughly amounts to Rs.1,58,000/- per annum and is almost equal to the cost in respect of 7 Professors, 4 Readers and 1 Lecturer as now proposed by the University.

The matter is placed before the Commission for consideration.

E.O.(H)/D.O.(H)

University Grants Commission

(205)

Meeting:

Dated 5th July 1967

Item No. 56: To consider the proposal of Maharashtra Udayagiri Mahavidyalaya, Udgir (Marathwada University) for the construction of a library and laboratory building.

Maharashtra Udayagiri Mahavidyalaya, Udgir, sought a grant from the Commission in November, 1966 for the construction of a library and laboratory building at an estimated cost of Rs. 2.24 lakhs. The proposal was deferred for consideration to 1967-68, in view of the paucity of funds. In April 1967, the College renewed its proposal. Because of the reduced budget allocations for 1967-68, the college was again informed that the proposal may be considered in December 1967, on merits, subject to the availability of funds at that time.

The college is conducting courses leading to the B.A., B.Sc., and B.Com. degrees of the Marathwada University, and had an enrolment of 708 during 1966-67. No grant has been previously sanctioned by the Commission to this college, which was established in 1962. The Marathwada University has recommended the application of the college and stated that the college is for the present temporarily affiliated to the university and that there is a possibility of its getting permanent affiliation in the near future, as it is running on sound lines. The Maharashtra Udayagiri Mahavidyalaya is the only college in Udgir and is said to be serving the need of a backward area of Maharashtra.

It is for consideration if the proposal of the college for the construction of a library and laboratory building at an estimated cost of Rs. 2.24 lakhs, may be accepted, the Commission's share of expenditure being limited to Rs. 1.49 lakhs on the approved sharing basis. The College has already given an assurance that it has set apart its matching share for the project.

E.O.(C)/D.O.(C)

UNIVERSITY GRANTS COMMISSION

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Meeting:

5th July 1967

Item No:57: To consider a reference from the National Council for Science Education regarding the programme of improvement of Syllabi in the colleges affiliated to Meerut University received from Dr. R.K. Singh, Vice-Chancellor, Meerut University

Dr. R.K. Singh, Vice-Chancellor, Meerut University has addressed a letter (Appendix I) to the Chairman, University Grants Commission regarding the programme of improvement in syllabi in a number of subjects, which the University desires to implement in its 58 affiliated colleges with a student population of 29100.

The University would need Rs. 15 lakhs for the introduction of the revised syllabi of which one-third could be met by the Colleges. Financial assistance would also be required for conducting intensive Seminars in six or seven centres for providing opportunities to teachers from colleges for further education and research in the Social Sciences, especially Economics and Political Science to enable them to teach in accordance with the revised syllabi.

The Vice-Chancellor has stated that the National Science Foundation/ USEFI would be willing to consider the question of providing necessary technical and financial assistance for the proposal. The Vice-Chancellor has enquired whether the University could approach agencies like NSF & USEFI. In this connection it may be mentioned that we have already issued a circular No. F. 2-246/65(SI) dated 2nd March 1966 to the Universities requesting them not to approach any foreign agency for assistance without prior approval of the Government of India/University Grants Commission.

The matter is placed before the Council for consideration.

E.O.(SI)/D.O.(SI)



Copy of the letter No. MU/19/1962 dated the December 23, 1966 from Dr. R.K. Singh, Vice-Chancellor, Meerut University, addressed to Dr. D.S. Kothari, Chairman, University Grants Commission, New Delhi.

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Your attention is invited to the portion side-lined A in the enclosed letter. Dr. Rodin was invited as a consultant to improve the Botany Syllabus in this University. The contents of the letter have reference to our efforts to improve the syllabus in each subject taught in any of the colleges of the Meerut University.

Internal Committees appointed for each subject have been entrusted to prepare the first draft. There is a corresponding committee of outside experts for each subject. The final shape is given by both the committees working together.

We anticipate two difficulties in implementing the improved syllabus. The first difficulty arises from the unpreparedness of the teachers in the colleges 78.8 per cent of whom have their final degree from the University of Agra. The syllabi in different subjects in the University of Agra have remained unchanged for decades. In many cases the teachers will not be able to teach in accordance with the revised syllabi unless they are provided opportunities for further education and research. Right now I am thinking of Social Sciences especially Economics and Political Science. If we had the resources and the necessary personnel we would arrange intensive seminars in six or seven centres in each of which a group of colleges could join. As a map of Meerut division will show, the colleges of the University are in clusters. Any one center would be able to serve half-a-dozen colleges.

The second difficulty arises from the inability of the colleges to purchase text-books in adequate number to replace bazar notes. There are 63 colleges in the University with 29100 students. Our estimate is that about Rs. 15 lakhs will be needed for the implementation of the revised syllabi. One third of this amount should be met by the colleges but the remaining two-third has to come from our side.

Would you advise us to approach the agencies named by Dr. Rodin?

You may be pleased to advise us about other possibilities.

With personal regards,

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Copy of letter dated December 16, 1966 from Dr. Robert J Rodin, Fulbright Professor, Department of Botany, University of Delhi, Delhi-7, addressed to Dr. R. K. Singh, Vice-Chancellor Meerut University.

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This morning I had a meeting with Dr. Gordon Hiebert, and two other men representing the National Science Foundation of the United States.

The National Science Foundation is attempting to assist higher education in India, at the invitation of institutions through the National Council for Science Education. The National Science Foundation is willing to bring technicians in setting up new colleges and universities such as the registrars section, or even higher administrative personnel, such as a dean or former college president if needed. They will bring specialists to assist in the development of departments and curricula. They also are able to assist in the development of text book materials.

' They are willing to consult you about your needs as the National  
' Council for Science Education permits negotiations to take place.  
' Therefore I suggest you contact Dr. Kothari, Chairman of the Council,  
' and let your needs be known to him.

I suggest that you also submit the list of books locations and numbers of copies needed for texts in the libraries of the colleges within the University, when you apply for aid.

The personnel needed for administrative assistance and teaching faculty can also be obtained in part through USEFI and the Fulbright program. Dr. M. Cormack should be contacted for these needs.

The National Science Foundation can also assist with Summer Institutes.

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 5th July, 1967.

- Item 58 :- Acceptance of audited statement of accounts and utilisation certificates issued by the Government departmental auditors in respect of grants-in-aid paid by the U.G.C. to Government and affiliated Colleges - Relaxation of the usual procedure.

The University Grants Commission has to satisfy that the grants paid by it to the universities and other institutions have been utilized for the purpose for which they were paid. For this purpose, the Commission has to obtain certain documents like; Audited Statement of Accounts, Auditors' Utilization Certificates, etc. in respect of the grants paid to the institutions. These documents are receivable from the respective regular and authorised auditors of the institutions. In the case of a university the auditors who are appointed under the university act are the regular and authorised auditors. Similarly, auditors appointed in terms of the relevant rules and regulations duly approved by the Government are treated as the regular authorised auditors in the case of institutions deemed to be Universities. In the case of affiliated colleges, Chartered Accountants or any other body of recognized auditors and in respect of Government colleges the As.G. concerned have hitherto been treated as the regular and authorised auditors by the Commission for the purpose of obtaining the documents referred to above.

There are, however, difficulties in some cases in so far as colleges are concerned, as for instance, dearth of Chartered Accountants in certain areas renders it difficult for the affiliated colleges to have their accounts audited by the Chartered Accountants. The Government colleges find it difficult to have their accounts of grants-in-aid audited by the As.G. concerned who some time raise the question of jurisdiction in regard to the audit of grants-in-aid paid by the Commission. Moreover, in some cases the State As.G. take up audit once in two or three years and thus the issue of utilization certificates as well as release of further grants are held up in such cases.

Incidentally, it may be mentioned that the Government of India in consultation with the C.A.G. have recently held that it is not the responsibility of the State As.G. to issue certificates of utilization of grants. It has been observed that in some States the auditors of the State Education Departments audit the accounts of the Government and affiliated colleges as Government departmental auditors. In view of the difficulties faced by the colleges in getting the accounts audited as explained above, it is proposed that 'the audited statements' issued by the Government departmental auditors in respect of grants paid by the Commission to the colleges may be accepted.

The matter is placed before the Commission.

A.O.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION.

Date: Meeting:  
Time: 5th July, 1967.  
Place: 10 A.M.  
UGC Building,  
New Delhi.

AGENDA (Contd.II)

59. To consider a proposal of the Banaras Hindu University for additional quarters for Class IV employees of the University. p.210
60. To consider the following proposals received from the Delhi University: p.211
- (a) Starting a two-year diploma Course in Serbo-Croatian Language and Yugoslav Literature in the Department of Modern European Languages from the academic year 1967-68. p.212-214
- (b) Assistance from Ford Foundation for the development of the University and Departmental libraries. p.215-216
61. To consider further the question of deeming the Rural Institutes at Gandhigram and Coimbatore as Universities under Section 3 of the U.G.C. Act. p.217-218

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 5th July, 1967.

Item No.59 :- To consider a proposal of the Banaras Hindu University for additional quarters for Class IV employees of the University.

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The Commission at its meeting held on the 2nd September, 1964 (vide Item No.15) considered the question of provision of residential accommodation for Class IV staff in the Universities and Institutions deemed to be Universities. The Commission observed that sufficient facilities were not made available for staff quarters for Class IV employees in the Universities, and desired that residential accommodation for Class IV staff should be included as a part of the provision for similar facilities for teachers and students. This was to be taken into account by the Universities in preparing the Fourth Five Year Plan, but the priority to be given would depend on the other needs of the Universities. The Universities were informed accordingly. Subsequently, on representation from certain Universities, it was decided at its meeting held on the 3rd February, 1965 (vide Item No.28 that Universities and Institutions deemed to be Universities may be assisted during the Third Plan period for construction of quarters for Class IV staff provided funds could be made available within the ceilings for the Third Plan.

2. In accordance with the above decision of the Commission, the proposal of the Banaras Hindu University for construction of 50 Class IV quarters at an estimated cost of Rs.3 lakhs to be met out of the savings of the grant sanctioned to the University under the Third Five Year Plan was accepted in principle in May, 1965. The plans and estimates amounting to Rs.3,25,550/- in respect of the scheme, which has now been treated as a Fourth Plan project, was accepted in June, 1966. A sum of Rs.1,50,000/- has so far been paid to the University for the scheme.

3. The University has now sent a proposal for construction of 296 additional Class IV staff quarters at Rs.6,000/- each, i.e. at a total estimated cost of Rs.17,76,000/-. It has been stated by the University that there are 1,600 Class IV employees in the University. Most of them have to reside outside the campus with great difficulty due to lack of accommodation in the University. They are now pressing their demand for provision of additional accommodation in the campus.

The matter is placed before the Commission for consideration.

A.S.(CU)/D.S.(A)

UNIVERSITY GRANTS COMMISSION.

Meeting:  
Dated: 5th July, 1967.

Item No.60: To consider the following proposals received from the Delhi University:

(a) Starting a two-year diploma Course in Serbo-Croatian Language and Yugoslav Literature in the Department of Modern European Languages from the academic year 1967-68. p.212-214

(b) Assistance from Ford Foundation for the development of the University and Departmental libraries. p.215-216

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UNIVERSITY GRANTS COMMISSION.

Meeting:

Dated: 5th July, 1967.

Item No.60(a) To further consider the proposal of the Delhi University for starting a two year diploma Course in Serbo-Croatian Language and Yugoslav Literature in the Department of Modern European Languages from the academic year 1967-68.

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The proposal of the Delhi University for starting a two-year Diploma Course in Serbo-Croatian Language in the Department of Modern European Languages from the academic year 1967-68 was considered by the Commission at its meeting held on 1st March, 1967. The Commission desired that for the time being the University be requested to continue one year's certificate course in Serbo-Croatian Language and Yugoslav Literature and the question of introducing a two-year course may be reviewed after some time (Resolution No.10(g) dated 1.3.1967).

The Vice-Chancellor of the Delhi University has requested the Commission to reconsider the matter. It has been pointed that the certificate course in the Serbo-Croatian language introduced by the Delhi University in the academic year 1966-67 has worked well. There were 24 students in the course, 13 appeared at the examination and were all promoted, and of them 9 passed with distinction.

It may also be mentioned in this connection that article 4 of the programme of educational, cultural and scientific cooperation between India and Yugoslavia for 1965-67 envisages that "The Indian party shall endeavour to set up a chair of history, literature, languages and culture of the Yugoslav peoples at an Indian University". The Yugoslav Embassy in its recent memo to the University Grants Commission has stated that "in order to provide an opportunity for the students who have achieved satisfactory results in the Certificate Course....to continue without interruption the study of the Serbo-Croatian language in the diploma course, it will be appreciated if the U.G.C. facilitates the opening of the diploma course at Delhi University in the academic year 1967-68".

The scheme and syllabus of the proposed diploma course is attached (Annexure I). The University has stated that the financial implications of the proposal will be sent to the Commission in due course.

The matter is placed before the Commission for orders.

E.O.(H)/D.O.(H)

Annexure I to Item No. 60(a)UNIVERSITY OF DELHI

Recommendations of the Committee of Courses and Studies in Serbo-Croatian (12.8.1966).

The Committee made its recommendations for the examination in Serbo-Croatian which will take place in March, 1967.

The Committee recommended that the percentage for pass and distinction in the Serbo-Croatian language should be the same as it is in other Certificate Courses of this Department.

No change in the syllabus etc. for the Certificate Course in Serbo-Croatian was made.

Further, the Committee strongly recommended the introduction of the Diploma in Serbo-Croatian Language and Yugoslav Literature Commencing from the next academic year i.e., 1967-68.

The Committee recommended the following syllabus and books etc. for the Diploma in Serbo-Croatian Language and Yugoslav Literature:-

Syllabus:

Improved grammar and ability of expression in simple literary language/oral and written with emphasis on fluent speech. Translation from Serbo-Croatian into English and Vice-versa. A brief survey of Realism in Yugoslav literature.

BOOKS PRESCRIBED:(A) Language:

1. Srdnji teoaj srpskohrvatskog jezika - 26 lessons to be completed. (These books will be used with audio-visual methods).
2. Serbo-Croatian phrase book, by Viola Ellis.
3. Gramatika srpskohrvatskog jezika - Stevanovic ili Hraste.
4. English-Serbo-Croatian Serbo-Croatian-English Dictionary.

(B) Literature:

1. Saat Yugoslav Kanhanyan - in Hindi.
2. Anthology of contemporary Yugoslav stories in English.
3. Some Yugoslav Novelists.
4. Cyclostyled material on Realism literature.

HOME READING:

1. Ivan Cankar 'Purana Nokar' in Hindi.
2. Laza Lazarevic: Pripovetke (Selected).
3. Vjenceslav Novak: Pripovijetke (Selected).
4. Anton Askerc: Pjesme.

BOOKS FOR REFERENCE:

1. Barac: History of Yugoslav Literature.
2. Facts about Yugoslavia.
3. Review - Magazine.



BOOKS RECOMMENDED (Not for examination)

1. Anthology of Yugoslav Poetry in English.
2. Pregled Jugoslavenske Knji zevnosti-knjiga III.
3. Pravopis.
4. Serbo-Croat, by Vera Jevarek & Miroslava Sudjic.
5. Essential Serbo Croatian.
6. Republiclika, Savremanik - literary magazines.

EXAMINATION:

The University examination for the Diploma in Serbo-Croatian language and Yugoslav literature will be held in March, 1968 consisting of three written papers and one oral examination as under:

	<u>Time</u>	<u>Marks</u>
<u>PAPER I</u>		
1. Translation of Serbo-Croatian passage (unseen) about 400 words of average difficulties into English with the help of dictionary.	3 hrs.	100
<u>PAPER II</u>		
1. Grammar ...40		
2. Translation from simple English text into Serbo-Croatian (not more than 150 words - without the help of dictionary). ...60	"	100
<u>PAPER III</u>		
1. Translation of Serbo-Croatian text into English. ..50		
2. Questions on the text Lazarevic : Pripovetke ...50		100
<u>ORAL</u>		
1. Reading ...25		
2. Phonetics ...15		
3. Conversation ...25		
4. Questions of the History of Yugoslav literature with ref. to civilization ...25		
5. Questions on books read at home - in English/Hindi ...10		100
Marks reserved to be rewarded on the basis of II Term Test result.		<u>50</u>
	Total:	<u>450</u>

The Committee recommended that the remuneration to the examiners and the percentage for pass and distinction in the Diploma in Serbo-Croatian Language and Yugoslav Literature should be same as in other Diploma courses of this Department.

The meeting came to an end with a vote of thanks.

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated 5th July, 1967.

Item No. 60(b) To consider a proposal from the University of Delhi for assistance from Ford Foundation for the development of the University and Departmental libraries.

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The University Grants Commission at its meeting held on 7th December, 1966 considered a proposal from the University of Delhi for financial assistance from Ford Foundation during the Fourth Plan period, for development programmes which inter-alia included the development of library facilities in the University. The Commission resolved as follows:

" The Commission's general policy has been that (apart from an all-round improvement in standards) some carefully selected departments should be strengthened to attain the highest academic standards. The Commission welcomed the proposal of the Ford Foundation to assist the University of Delhi. It will enable the University to strengthen its facilities considerably and help it to raise its standards to a high level. The Commission recommends to the Government that the proposal be accepted.

In the case of items involving a recurring expenditure to be met (wholly or in part) by the U.G.C. after the period when the Ford Foundation assistance ceases under the present agreement, the University will obtain the approval of the Commission before taking up their implementation.

On an examination of the details of the proposal, the Commission has noted that over Rs. 1 crore of the Ford Foundation assistance will be devoted to construction of buildings. The Commission would request the Government that this part of assistance in Dollars may be placed after its acceptance at the disposal of the U.G.C. for supporting some of the other universities which are in desperate need of foreign exchange for equipment and other basic needs."

2. The Government of India, Ministry of Education have agreed in principle to the university receiving assistance from Ford Foundation amounting to Rs. 505.13 lakhs on the condition that the Commission would carry out full technical scrutiny of the needs of the University taking into account the sums of money that are likely to be placed at its disposal from out of the allocations for higher education in the Fourth Plan. The University has accordingly been requested to send relevant details regarding equipment, building, additional academic and other staff required for the programmes which it proposed to undertake in the immediate future. The University has also been requested to intimate the recurring commitments which may have to be met either from the Development of maintenance grants payable to the University by the University Grants Commission. The University authorities are working out the details of the supporting rupee expenditure required from the

Commission for receiving the Ford Foundation grant for various programmes

3. The University of Delhi has now informed that the Ford Foundation are expected to release the first instalment of their grant for the library shortly as follows:

Books and journals	₹	2,50,000
Advisory services	₹	10,000
Staff personnel	₹	16,000
		<hr/>
Total	₹	2,76,000
		<hr/>

This sum is planned to be spent during the next three years and the University expects to receive about 30,000 books/journals during this period. On account of this requirements for the University has asked for supporting rupee expenditure for staff, additions to library buildings and furniture, stationery etc., as indicated in Annexure.

4. The University has pointed out that a good part of this expenditure would even otherwise be required on account of the rising student enrolment which is likely to double in a few years. As such the University had included these in their Fourth Plan proposals which have been examined by the Visiting Committee. However, the University expects to incur some extra expenditure because of the accelerated inflow of books (10,000 extra volumes a year) which would require extra staff, stationery, racks etc. The estimates are stated to have been prepared separately for the main library and for the departmental libraries of the Linguistics and Chinese Studies Departments. These two departments are already recipients of Ford Foundation grants totalling ₹ 1,50,000 for their libraries. However, for want of necessary funds even book-racks to properly store the books etc., have not been provided.

5. The University has requested the Commission to (1) accept their proposal for rupee expenditure as indicated in Annexure and (2) authorise them to receive the grant from the Ford Foundation for library development. The University has further requested that in case the Commission is unable to sanction the posts indicated in Annexure immediately the University may be authorised to create these out of its book grant. The resultant reduction in the number of books would be temporary and more than made up by the flow of books over the next few years. The University has further requested that whatever be the decision of the Commission they may be authorised to appoint the following staff immediately:

- 1. Director - (Rs. 1000-1500)
- 2. Professional Senior (Rs. 700-1100)

The matter is placed before the Commission for consideration.

Annexure to Item No.60(b)

UNIVERSITY OF DELHI  
(Planning Unit)

PROPOSALS FOR THE STAFF AND OTHER ADDITIONAL REQUIREMENTS FOR ABSORBING THE FORD FOUNDATION GRANTS.

(Figures are in lakh of Rs.)

I. UNIVERSITY MAIN LIBRARY:

<u>Staff</u>	<u>cost for 4 years</u>	<u>Other requirements (Total for Plan period - 4 years)</u>
1. Director (1) (1000-1500)	0.80	Typewriter (1) 0.02
2. Professional Senior (1) (100-1100)	0.56	Furniture (steel racks etc.) 5% on the total grant of Rs.18.75 lakh) 1.00
3. Professional Asstt. (2) (150-425)	0.48*	Contingency (3% on the grant of Rs.18.75 lakh) 0.65
4. Typists (2) (10-180)	0.24*	0.04*
5. Stenographer (1) (10 - 425)	0.20*	Additional space & equipment for the Library (included in the revised IV Plan proposals) 7.00
6. Cleaner (1) (70 - 85)	0.08*	
7. Professional Junior (1) (@ Rs.200/- per month consolidated)	0.10*	
8. Professional Asstts. (2) (@ Rs.200/- p.m consolidated)	0.20*	
	<u>2.66</u>	<u>8.71</u> <u>11.37</u>

II. CHINESE STUDIES DEPARTMENT (Library)

1. Professional Junior (1) (40 - 800)	0.36	Typewriter (1) 0.02
2. Clerk-typist (1) (10 - 180)	0.12	Stationery/Library Supplies 0.04
3. Part-time Chinese Language Specialist @ Rs.200 p.m. fixed.	0.12	Furniture (5% on total grant of \$ 1.00 lakh) 0.30 Contingency 0.05
	<u>0.60</u>	<u>0.41</u> <u>1.01</u>

III. LINGUISTICS DEPARTMENT (LIBRARY)

1. Professional Junior (1) (40 - 800)	0.36	Typewriter (1) and Electric Fans/Lights etc. 0.03
2. Professional Asstt. (1) (250 - 425)	0.24	Stationery/Library Supplies 0.03
3. Semi Professional (1) (100 - 280)	0.12	Furniture (Steel Racks etc.) 0.15
4. Clerk-typist (1) (110-180)	0.12	Contingency 0.05
5. Library Attendant (1) (75 - 95)	0.08	
6. Cleaner (1) (70 - 85)	0.08	
	<u>1.00</u>	<u>0.26</u> <u>1.26</u>

GRAND TOTAL FOR THE PLAN PERIOD (I+II+III) : 13.64 lakh.

\*Proposal submitted to the U.G.C. vide University's letter No. Fin.123135 dated 31.1.1967.

UNIVERSITY GRANTS COMMISSION

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Meeting:

5th July 1967

Item No: 61: To consider further the question of deeming the Rural Institutes at Gandhigram and Coimbatore as Universities under Section 3 of the U.G.C. Act.

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The University Grants Commission at its meeting held on 7th September, 1966 considered the report of a Committee appointed by the Commission in connection with the deeming the Rural Institutes at Bichpuri (Agra), Coimbatore and Gandhigram as universities under the U.G.C. Act. The Commission resolved that the Central Government be advised that the Rural Institutes at Gandhigram, Coimbatore and Bichpuri (Agra) be deemed as universities under section 3 of the U.G.C. Act for a period of three years in the first instance. The Commission further desired that the Institutions be requested to take early action to implement the recommendations made by the Visiting Committee especially those relating to the maintenance of standards. The views of the Commission were communicated to the Government of India and a copy of the report of the Committee was also sent to them.

The Committee had inter-alia made the following recommendations concerning the State Governments.

1. "We feel that as the product of the Rural Institutes will be a special functionary and work in the States, collaboration and goodwill of the State Governments concerned for the efficient running of the Institutes is desirable. We should not develop an institution which does not fit in the plan of the State Government. As the U.G.C. itself insists that no new university should be established by any State Government without the prior concurrence of the U.G.C. similarly, it should be equally incumbent on the U.G.C. to take the State Government into confidence before an Institution in a State is given the status of a University under section 3 of the U.G.C. Act. This appears all the more desirable as the establishment of a university in the State is primarily the concern of the State Governments. We, therefore, recommended that the concurrence of the State Governments concerned should be obtained for the institutions as deemed to be universities.

2. We feel that it would be unfair to throw the burden of financing the Rural Institutes on the Central Government. This should be the legitimate responsibility of the State Governments, as in the case of other universities. The Central Government should only pay development grants. We understand that at the time of the setting up of the Rural Institutes the State Governments had made the commitment that they will provide assistance to these institutions. It should, therefore, be ensured that the maintenance grant is provided by the State Governments."

The Government of India, Ministry of Education in the light of the report of the Committee accordingly wrote to the State Government of Madras in connection with deeming the Rural Institutes at Coimbatore and Gandhigram as Universities under Section 3 of the U.G.C. Act.

p.t.o.

An extract from the letter dated 26th May, 1967 from the State Government of Madras to the Government of India, Ministry of Education is reproduced below:-

"The State Government have carefully considered the whole question in all its aspects in consultation with the Director of Higher Education and Vice-Chancellors of the Madras and Madurai Universities. I am to state that the State Government are rather unhappy about the way in which 'Deemed Universities' are sought to be brought into existence by the University Grants Commission by a notification under Section 3 of the University Grants Commission Act. In the first few years of its existence, the University Grants Commission considered with utmost hesitation the claims of any educational body set up to be a 'Deemed University'. During these early years, the only institution that was declared as a 'Deemed University' was the Indian Institute of Science, Bangalore, which has celebrated its golden jubilee and has an international reputation. In the relaxation made now by the University Grants Commission, rural institutes have been declared as 'Deemed Universities' without regard to the question of standards to be maintained in these institutions. It is also rather surprising that the Commission has decided that two Rural Institutes in Madras are to be recognised only for a period of three years. It is not clear what will happen after three years, when it is found that the standards are not maintained. There will be a lot of pressure by various persons and bodies for continuation of the recognition even if no improvement may take place. There is also the question of the recognition of degrees that will be awarded by these 'Deemed Universities'. The Universities and State Governments will be requested to recognise these degrees.

As far as the State Government is concerned, the question for consideration is whether the State Government are in a position at present to give necessary financial assistance to these two institutions at Gandhigram and Coimbatore when they are made 'Deemed Universities'. This has been examined very carefully. The financial position of the State Government is at present such that they can ill-afford to take on this additional recurring expenditure of nearly Rs. 2 lakhs per annum for each of these two institutions. The ultimate financial responsibility of the State Government will be on a very much larger scale and even on purely financial considerations, it is difficult for the State Government to give their concurrence to the proposal of making them 'Deemed Universities'.

If ultimately, notwithstanding that the State Government have not agreed to give their concurrence, the University Grants Commission issues an order under Section 3 of the University Grants Commission Act declaring these two institutions as 'Deemed Universities', I am to make it clear that there is no commitment on the part of the State Government with regard to meeting any portion of the expenditure either now or in future. In any case, these two institutions should not expect any financial assistance from the State Government on a scale larger than what is being given now."

The Government of India, Ministry of Education have asked for the views of the U.G.C.

The matter is placed before the Commission for consideration.