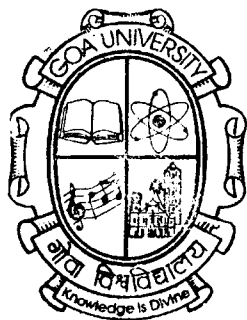


GOA UNIVERSITY



ANNUAL REPORT

For the Year

1987 - 88

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Sub-national Systems Unit
National Institute of Educational
Administration
Marg, New Delhi-110002
DC D-5285
Date 30/4/19

P R E F A C E

The passage of every year represents a milestone in the life of man and institution. At the end of every such period, we recapitulate our endeavours which have either brought us successes or resulted into failures, whether the efforts put in have produced the desired fruits or whether something was amiss in the attainment of our goals.

The undertaking of any task depends upon the purpose that it would serve not only for the self-benefit but of humanity at large, either for his or its maintenance or for improvement. There are a multitude of projects launched in every field, such as socio-economic, scientific, literary, etc., with the sole aim of improving and raising the standard of mankind. In this tiny State of Goa, the establishment of the University served this very purpose.

Undoubtedly, a task of such gigantic dimensions could not materialise overnight. Sincere efforts were involved by way of lengthy preparations, sound planning and strenuous negotiations. Promotion and implementation of the various phases required men of vision, character and competence. But today, if we look back, it can safely be said that it was a period well spent and the endeavours put in produced, if not total, at least a satisfactory result within such a short period of time.

This is the third year of our existence and it can well be said that every year has been a hectic period that enable us to reach at the level we are today. Yet, much still remains to be done. Three years are too short a period to have achieved anything spectacular. But efforts were not spared to get done the maximum possible, so that our young University could, at least, be on the path of standing as an efficient and progressive institution, which would represent an ultimate seat of learning, a lighthouse diffusing its illuminating rays upon our young generation to inspire in them creative thinking and imbibe in them the true values of knowledge, that they could come out as enlightened, true and useful citizens.

Gone are the days when the motto was "Higher Education for the select few". Today, we are in the age when higher education is promoted and made available to the masses. But, to achieve a greater measure of success to this effect, what is really needed is that these masses should be motivated in a true and proper way. This is going to be really a task for the present and the years to come.

Fortunately, this University was blessed from the very beginning with the useful guidance from knowledgeable quarters and the wholehearted support both from the Central and the State Governments. Even in the matter of securing the UGC recognition as an institution fit to receive the central assistance, our efforts proved fruitful by fulfilling all the conditions laid down for such recognition under section 12(b) of the UGC Act, 1956. With this recognition by the UGC, things are expected to be further smoothed in so far as promoting of various academic programmes and intensifying of construction activities are concerned. Proposals have already been submitted for the financial assistance for the years 1988-89 and 1989-90 and they are receiving favourable consideration of the UGC. Likewise, financial assistance will be forthcoming from the various Central Ministries for the implementation of specific schemes and projects covered under their respective development programmes.

Our University which at present functions in the Medical College Complex at Bambolim is expected to be shifted to its own campus located on the Bambolim - Talegao plateau in 1989-90. Although the construction work of this new campus is making steady progress, there is no gainsaying the fact that in the initial phase considerable delays occurred in the construction work.

Two proposals that were submitted during the year under report to the UGC viz. to set up in our University a Centre of Latin American Studies including a Department of Romance Languages and a Centre for Women's Study, have been duly considered and approved by the UGC during the year 1988-89. The UGC had selected this University for locating one of the Academic Staff Colleges. This college has already started functioning from this academic year.

Various academic and other developments which are being carried out right from the inception of our University, represent no mean achievement during such a short period of three years. It is hoped that the foundation that has now been laid would tend to lead for a solid growth and development of this young institution.

Finally, it is my duty to record here my sincere gratitude, on my own behalf and on behalf of the University, to our Visitor, H.E. Dr. Gopal Singh as well as Hon'ble Chief Minister, Shri Pratapsingh Rane both of whom have always

strived to be accessible and extend valuable help and guidance in the affairs of this University. The framing and funding of policies, implementing them and successfully carrying them out to the benefit of an institution of the order of an University is, undoubtedly, a colossal task and were it not for the sincere cooperation, help and assistance from every sector, this would have been but a dream. To all those who contributed their mite in laying down deep and healthy roots of our University, I am deeply grateful, more so to the members of the Executive Council, the Court, the Academic Council and the Planning Board; to the Secretaries of the Government of Goa and the UGC for their help and assistance in respect of funds and every other facility; and last but not the least to our faculty, students and the administrative staff for their coordinated efforts to make this University a reality.

University Office,
Bambolim - Goa,
March, 1989.

Dr. B. Sheik Ali
VICE - CHANCELLOR

CHAPTER - I

I N T R O D U C T I O N

The Vice-Chancellor, on behalf of the Executive Council, has great pleasure in presenting to the Court the Annual Report of the University for the year 1987-88 as required under Section 26 of the Goa University Act, 1984.

I. General

The Goa University is completing the third year of its existence. Established on 1st June, 1985 as a teaching institution for higher education, it became fully operative with effect from June 19th, 1986, having, besides the 20 Post-graduate departments, 22 affiliated colleges and 5 recognised institutions. Prior to this date, the privileges of higher education were extended to this State by the University of Bombay, affiliating all the then existing 16 colleges and 2 institutions. So as to avoid any adverse effects on the carrier of the students, it was decided that those admitted to the above 16 colleges and 2 institutions during the academic year 1985-86 should be permitted to prosecute their studies under the syllabus of the University of Bombay and to appear at the examinations conducted by that University till they complete their course of study.

The University has by now been fully established. It will shortly conduct its first public examinations for the students who were admitted to the first year classes during the academic year 1986-87. All the Authorities prescribed under the Goa University Act, 1984 like the Executive Council, the Academic Council, the Court, the Planning Board, Boards of Studies for different subjects, etc. are fully in operation.

His Excellency Dr. Gopal Singh, Governor of the State and Dr. Nagendra Singh, President of International Court of Justice at the Hague continued to function as the Visitor and the Chancellor of the University, respectively.

II. Faculties and Academic Programmes

a) Till 1986-87, the following Teaching Departments were functioning in the University: English, Hindi, Marathi, French, Economics, History, Political Science, Sociology, Philosophy, Mathematics, Physics, Chemistry, Microbiology, Marine Science, Geology, Konkani and Portuguese.

b) During the year under reference two more Departments were created. These were Departments of Commerce and Computer Science & Technology.

c) An Academic Staff College has also been set up in this University. This college is providing orientation and refresher training courses for college teachers. The first such course was organised by the College by the end of the year under review.

d) Two more proposals, which were submitted during this year, have been approved by the U.G.C. The first is for setting up a Centre of Latin American Studies (including a Department of Romance Languages) in this University to conduct teaching and research relating to the Latin American Studies. The second proposal relates to the establishment of a Centre for Women's Studies. The objectives of this Centre would be to identify the problems and needs of Women and recommend suitable policy measures and programmes to help solve their problems and meet their needs effectively.

e) The University has received approval from the Department of Bio-Technology, Ministry of Science and Technology, Government of India, to start the programme of education and training leading to a degree in M.Sc. in Marine Bio-Technology.

f) A coaching class was conducted during the year for the candidates appearing for the Civil Services (I.A.S. etc.) examinations though unfortunately, the response was not very encouraging.

g) The University granted affiliation to Kala Academy, Goa, to start a college of Music to impart at the first instance, instructions in Indian Classical and Instrumental music leading to degree in Bachelor of Music. It is also proposed to extend the instructions to Western Music as soon as possible.

h) Apart from the periodical seminars and workshops conducted by the different Teaching Departments, the University also successfully hosted this year the Golden Jubilee Session of the Indian History Congress.

III. Construction Programme

The new University Campus, which is located at an enchanting site on the Bambolim-Taleigao plateau has been making steady progress. The entire construction work has been divided into two phases: the first to be completed in the Seventh Plan (1985-90) and the next in the Eighth Plan (1990-95). All efforts are being made to complete the first phase work as per the schedule.

IV. Financial Position

a) With the UGC recognition, this University is entitled to receive financial assistance under the various schemes and programmes funded by the UGC. Proposals for the two remaining years i.e. 1988-89 and 1989-90 amounting to a total of Rs. 540.00 lakhs were submitted to the UGC. However, the UGC has agreed to provide a sum of only Rs. 50.00 lakhs for these two years as development grants, under the VII th Plan.

b) During the year under review, 1987-88, the University had prepared an ambitious budget envisaging an expenditure of Rs. 6.09 crores on the plan side and Rs. 0.59 on the non-plan side. However, because of various reasons, the State government did not release more than Rs.2.43 crores on the plan side and Rs. 0.27 crore on the non-plan side. However, we had a carry over of Rs. 1.99 crores on the Plan side and Rs. 0.25 crores on the non-plan side from the previous year (1986-87). Unfortunately, the work on the construction of the University Campus had not progressed at the desired speed in the year under review with the result that the expenditure on this most important item was below the target. Ultimately, it is found that the actual expenditure on the plan side amounted to Rs. 4.32 crores and on the non-plan side Rs. 0.51 crore.

c) During the year under report, the following grants were sanctioned:

- i) Rs. 89.70 lakhs by the Department of Bio-Technology, Ministry of Science and Technology, Government of India for starting Post-graduate courses in education and training leading to M.Sc. degree in Marine Bio-Technology.
- ii) Rs.17.25 lakhs by the UGC for research in Super-conductivity field.
- iii) Rs. 7.05 lakhs by the UGC for the development of the University Library.
- iv) Rs. 1.05 lakhs by the UGC for publication of research
- v) Rs. 5.00 lakhs by the Khadi Village Industries for conducting research on sisal fibre.

V. Foreign Visits

- i) Dr. B. Sheik Ali, Vice-Chancellor of the Goa University visited Australia for ten days to participate in the 14th Quinquennial Congress and Conference of Executive Heads of Association of Commonwealth Universities.
- ii) Dr. S. K. Gandhe, Registrar of the University visited the U.S.A. at the invitation of the Government of that country to participate in a thirty-day familiarisation programme relating to the various aspects of higher education, the administrative and academic structure of Universities, Community colleges and other specialised educational institutions in that country.
- iii) Shri V.R. Navelkar, Asstt. Librarian visited U.K. under Visitors Scheme from 10 - 30 September 1987.
- iv) The below mentioned faculty members of the Goa University visited different countries to participate in Conferences, on fellowships etc.
 - a) Dr. (Kum.) Mavinkurve, Prof. and HOD Microbiology visited U.S.A. for 3 months
 - b) Dr. Joe D'Souza, Reader, Microbiology visited U.S.A. for 9 months from 19-9-86 to 16-8-87.
 - c) Dr. B.S. Shastri Prof. and HOD History, visited U.K. for a week.
- v) The following dignitaries also visited this University during the year under reference.
 - a) Mr. Antonio Magalhaes Colaco, Portuguese Ambassador to India.
 - b) Dr. John J. Eddy, American Consul General in Bombay.
 - c) Dr. Dennis Wolf of U.S.I.S., Bombay
 - d) Dr. J.R. Roach of University of Texas
 - e) Dr. (Mrs.) Leebou Bychihina, a scholar from the U.S.S.R
 - f) Dr. Yash Pal, Chairman of the UGC.

g) Dr. A. Christodoulou, Secretary-General,
Association of Commonwealth Universities
London.

VI. Authorities of the University

Separate lists of the members of the Executive Council, the Academic Council, the Court and the Planning Board are given in Annexures II, III, IV, & V. A list of the various officers of the University is given as Annexure VI. The details regarding the meetings of the Executive Council and the Academic Council and the important decisions taken by these authorities during the year under reference are as follows:

The Executive Council held twelve meetings during the year under report. Some of the important decisions taken by the Executive Council in these meetings are given below:-

1. Appointment of Director of Students Welfare and Cultural Affairs, and full-time Director of Sports.
2. Appointment of Co-ordinator for Commerce and Business Management.
3. Appreciation of the honour conferred on Dr. S.K.Paknikar, Professor & Head of the Department of Chemistry of the Goa University by the UGC by selecting him for the National Fellowship for two years period.
4. Creation of post of Professor of Marine Science.
5. Institution of the prize in Physiology at the First MBBS examination of Goa University entitled "the XXX APPI Goa Conference Prize in Physiology".
6. Approval of the proposal for appointment of one-man Commission for the removal of grievances of students and staff of the University.
7. Extension of retirement benefit scheme to the employees of the Goa University and colleges affiliated thereunder
8. Establishment of Academic Staff College with cent per cent financial assistance from the university Grants Commission, New Delhi.
9. Institution of a scholarship in the name of "Late Shri Narcinva Damodar Naik".
10. Official (formal) closure of the Centre of Post-graduate Instruction & Research (CPIR).
11. Revision of pay-scales of teachers in the University and Colleges.

12. Appointment to the posts of Professor of Physics and Professor of Philosophy in Goa University.
13. Rules for disciplinary action against the students of Goa University and its affiliated colleges were considered and approved.
14. Statute for election of members of statutory and non-statutory bodies of the University.
15. Rules relating to the formation of Goa University Post-graduate Students' Union.
16. Scholarship in the memory of "Late Professor Jose Carmelo Coelho".
17. Withdrawal of the temporary affiliation granted to the AIWC (Goa Branch) Jubilee College of Home Science, Panaji, Goa with effect from 10th November, 1987 (afternoon).
18. Decision to make arrangements to provide instruction to the students of AIWC (Goa Branch) Jubilee College of Home Science, Panaji, Goa to enable them to complete their courses of study leading to the degree of B.Sc. (Home Science) of this University.
19. Approval of the statute relating to revision of pay-scales of University and College teachers.
20. Approval of the Ordinance 0.19 governing Ph.D. degree by the Visitor.
21. Approval to the institution of "Professor D.B.Wagh and Smt. Hira Wagh Fund" endowment.
22. Rules for allotment of residential accommodation by Goa University.
23. Standardisation of scales of pay of the University Officers.
24. Approval of Lions Club Margao Silver Jubilee Endowment.
25. Proposal for conducting coaching classes for Civil Services (IAS) etc. Examination, 1988.
26. Approval of the proposal for conducting the First Orientation Course of the Academic Staff College in this University.

The Academic Council held three meetings during the year under report. The important decisions taken by the Academic Council in these meetings are given below:

1. Decision on M.Phil courses in English, Economics, Mathematics and Chemistry to be started from the academic year 1988-89.
2. Grant of permission to Shri R.V.Gaitonde to register for Ph.D. in Applied Biology, Shri S.R.S. Priolkar to register for Ph.D. in Physical Chemistry.
3. Approval of Ordinance Ø.19 governing Ph.D. Degree.
4. Consideration and approval for the Single Board of Studies for each subject in supersession of the earlier separate Boards of Studies for Undergraduate and Postgraduate.
5. Establishment of Academic Staff College with cent percent financial assistance from the UGC.
6. It was resolved that the change of Faculty/Subject from Arts to Commerce and vice-versa and Science to Arts or Commerce be permitted for admission to the post-graduate courses.
7. Approval of Music as an Optional subject at B.A./B.Sc./ B.Com degree courses.

VII. Legislative addendum, amendments etc.

a) During the year under report, three more statutes, serially numbered from S.1Ø1 to S.1Ø3, were added to the existing ones. They are as under:

- | | |
|-------|--|
| S.1Ø1 | Relating to rules and procedures for election of members of the statutory and non-statutory bodies of the Goa University. |
| S.1Ø2 | Relating to the revision of pay scales of teachers of the Goa University and of the non-Government colleges affiliated to Goa University in accordance with the University Grants Commission Scheme, 1986. |
| S.1Ø3 | Relating to the revision of pay-scales of Officers other than the Vice-Chancellor of the Goa University. |

These statutes were approved by the Executive Council and assented to by the Visitor during the year under report.

- (b) An ordinance numbered Ø.19 in the serial order of Ordinance governing Ph.D. Degree was framed and approved by the Academic Council in its 6th meeting held on 27.8.87.

(c) Six amendments were carried out to the Goa University statutes as under:

- (i) Statute No. S.1(4)(iii) regarding the rates of travelling allowance to be fixed by the Executive Council to the Vice-Chancellor.
- (ii) Statute No. S.4(5) regulating the membership of the Registrar to the various Authorities of the University.
- (iii) Statute No. S.11(1), 11(1)(i), 11(1)(ii), and 11(2) regarding the constitution of the Planning Board.
- (iv) Statute No. S.13 (1),(2) and (3) regarding the constitution and functions of the Boards of Studies.
- (v) Statute No. S.14(1), 14(2) and 14(3) regarding the constitution and the term of the members of the Finance Committee.
- (vi) Statute No. S.15(2) amending the designation of one of the members of the Selection Committee from " The Dean of the School concerned" to " The Dean of the Faculty concerned ".

During the year under reference, the following rules were framed and approved by the Executive Council.

- (i) Rules 01 and 02 relating to disciplinary action to be taken against the students of the Goa University and its affiliated colleges.
- (ii) Rule 03 relating to formation of the Goa University Post-Graduate students Union.

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CHAPTER - II

UNIVERSITY TEACHING DEPARTMENTS FOR POST-GRADUATE COURSES

The University has the following Post-Graduate Teaching Departments:

1. Faculty of Arts, Humanities & Social Sciences

- 1.1 - Department of English
- 1.2 - Department of Hindi
- 1.3 - Department of Marathi
- 1.4 - Department of French
- 1.5 - Department of Portuguese
- 1.6 - Department of Economics
- 1.7 - Department of History
- 1.8 - Department of Political Science
- 1.9 - Department of Sociology
- 1.10 - Department of Konkani
- 1.11 - Department of Philosophy.

2. Faculty of Pure Sciences

- 2.1 - Department of Mathematics
- 2.2 - Department of Physics
- 2.3 - Department of Chemistry
- 2.4 - Department of Microbiology
- 2.5 - Department of Geology

3. Faculty of Applied Sciences

- 3.1 - Department of Marine Science
- 3.2 - Department of Computer Science & Technology

4. Faculty of Commerce & Business Administration

- 4.1 - Department of Commerce
- 4.2 - Department of Management Studies (Business Administration)

1.1 Department of English

i) Teaching Staff

1. Dr. B.V.Nemade Professor & Head
M.A.(English), of the Department
M.A.(Linguistics), Ph.D.
2. Mr.A.S.FhKDKarni Reader
3. Dr. A.K.Joshi Reader
M.A., Ph.D.
4. Dr. F.A.Fernandes Lecturer
M.A., Ph.D.

ii) Visiting Teachers

i) Dr. Vrinda Nabar (M.A., Ph.D.), Reader, Department of English, University of Bombay taught Eighteenth and Nineteenth century literature in the Department from 28th March to 31st March 1988.

ii) Dr. M.S. Malshe, (M.A., Ph.D.), Reader, Department of Humanities, Indian Institute of Technology, Powai, Bombay, taught Aesthetics of Music in the Department from 7th March to 12th March 1988.

iii) Visitors

Dr. (Mrs.) Luba Bychihina, (Ph.D.) of the Department of Literature, Institute of Oriental Studies, U.S.S.R. Academy of Sciences, Moscow, visited the Department on 7th March 1988. She gave a talk on "Research in Tamil at the Institute of Oriental Studies", Moscow.

iv) Participation in seminars, conferences, work-shops etc.

<u>Name of the Participant</u>	<u>Seminars, Conferences, Workshop etc.</u>
1. Prof. B.V. Nemade	i) Presented a paper "A Theoretical Framework of Influence Study" in a Seminar on <u>Comparative Literature Theory and Practice</u> , organised by Indian Institute of Advanced Study, June 1987;

at Shimla.

ii) Participated in New Playwrights Workshop organised by Theatre Academy and Ford Foundation, New Delhi, December 1987 at Pune.

iii) Presented a paper "Nativism in Literature" in a seminar on Regionality in Literature: Dimensions and Problems organised by Sahitya Akademy, New Delhi, December 1987, at Kolhapur.

iv) Presented a paper "Limitations of the Short Story" in a seminar on The Short Story as a Form of Literature, organised by S.P.Chowgule College, January 1988, at Margao.

2. Dr. S.S.Kulkarni

i) Attended the International Seminar on India and Canada: Partners for the Future, held at India International Centre, New Delhi, from March 7 to March 11, 1988, under the auspices of Shastri Indo-Canadian Institute, New Delhi.

ii) Participated in the UGC and IACS sponsored Inter-disciplinary International Seminar on Regionalism and National Identity: Canadian and Indian Experience held at the University of Delhi from March 12 to March 15, 1988. Submitted at the seminar a paper on "Cultural Nationalism in India".

3. Dr. A.K. Joshi

i) Participated in the inter-disciplinary workshop on Theory, organised by the American Studies Research Centre from 4th January 1988 to 8th January 1988 at Hyderabad.

ii) Presented a paper on "Modern Marathi Short Story" in the seminar on "Marathi Short Story", organised by S.P. Chowgule College, on 23rd January 1988 at Margao.

4. Dr.F.A.Fernandes

i) Presented a paper on "The structure of Post Graduate syllabuses in English" in the seminar on "Courses of Study in English" organised by Goa University, from 1-3 February 1988 at Bambolim, Goa.

ii) Presented a paper on "Regional and Local colour in Goan Literature: Problem of identity," in the international seminar on "Regionalism and National identity: Canadian and Indian Experience," organised by University of Delhi from March 12-15, 1988 at Delhi.

v. Publications

1. Professor Bhalchandra Nemade
Articles in English

- i) "Literary Aspects of Acculturation", Jadavpur Journal of Comparative Literature 25 (1987), pp. 54-59
- ii) "Teaching English Literary Texts"-Punjab Journal of English Studies, 2 (1987) pp. 71-77

Articles in Marathi

- i) "Akkarmashi" (Review)Divyadhyani, Diwali Number 1987 pp.117-22.
- ii) "An interview by Aniket Jaware",Granthamala 1.7 (1987), pp. 94-128.
- iii) "Irani" : Linguistic Analysis (Criticism):
Kavitarati Diwali Number 1987, pp. 63-69.
- iv) "Sahityatil Deshiyata (Theory): Maharashtra Sahitya Patrika, Jan-Mar. 1988 pp. 5-14.

2. Dr. A.K.Joshi
 - i) "Indian writing in English: A critical Review" Alochana, January 1988, pp. 1-12.
 - ii) "A critique of Feminism" Pushkala (Annual) Nov. 1987, pp. 117-122
3. Dr. F.A.Fernandes
 - i) "Devmanus" (Short Story) in Sunday Rashtamat, Margao, 8 May 1988.

vi) (A) Contribution of the Department to the University activities:

i) The Department conducted a workshop of Teaching of literature for teachers of Junior and Senior colleges in Goa, February 16-17, at Goa University, Bambolim.

ii) The Department conducted a seminar on The courses of study in English for the senior college teachers in Goa on February 1-3, 1988 at Goa University, Bambolim.

(B) Contribution of the individual members of the University's co-curricular activities:

Dr. F.A.Fernandes

i) Assisted in the organisation of Indian History Congress Golden Jubilee Year Session held by Goa University from Nov. 5-7, 1987.

ii) Led the Goa University Youth team for the West-Zone Inter University Youth Festival held at Bombay from December 5-7, 1987.

vii) Other details

1. Prof. B.V. Nemade

i) Delivered Special Lectures on Indo-Anglian writing in the Dept. of English, Karnatak University, Dharwad, Feb. 27-28 1987.

- ii) A lecture on The Writer's Territory at Sankramana Forum, Feb 28, 1987, at Dharwad.
- iii) A talk on Recent Advances in Language Studies in the Post-Graduate Council, Goa University, June 18, 1987.
- iv) Taught as Resource Person on Narratology in Fiction at the UGC:DAAD Autumn Institute for teachers of German, November 1987, organised by the Department of German, M.S. University at Baroda.
- v) Taught as Resource Person at the Orientation Programmes of Academic Staff College, Goa University.
- vi) Member of the Jury of Kabir Samman Award of Madhya Pradesh Government 1987.
- vii) Sahityachi Bhasha was awarded Kurundkar Prize 1987.
- viii) Inaugurated Kannada-Marathi Poetry Recital organised by Karnatak Sahitya Akademi, March 31, 1988 at Belgaum.

2. Dr. S.S.Kulkarni

- i) Delivered a course of seven lectures on "The Literary and Spiritual Qualities of Sri Aurobindo's English Epic, Savitri under the auspices of the Theosophical Society of India, Dharwar Branch, Dharwar, May 21-31, 1987.
- ii) A talk on "Bendre's Nakutanti as Apocalyptic literature" broadcast from AIR Bombay, January 30, 1988.

3. Dr. A.K. Joshi

A talk on "Evaluation Methodology" at the Post-Graduate Council, Goa University.

viii) Research Students:

<u>Name of the Research Guide</u>	<u>No. of students for Research Degree</u>		<u>Degree Awarded</u>
	<u>M.Phil</u>	<u>Ph.d.</u>	
1. Dr. E.V. Nemade	1	5	Marathwada Univ. M.Phil. Jan., 1987.
2. Dr. S.S. Kulkarni	-	2	
3. Dr. A.K. Joshi	-	1	

1.2 Department of Hindi

i) General

a) Aantar Bharati Poets meeting was organised in the University Campus in which poets of Konkani, Marathi and Hindi participated.

b) A seminar was held by the Department in the University Campus on "Hindi Literature past seventies" with reference to social changes.

c) Dr. A.K. Pandey participated in the seminar held by the Dept. of Hindi, Cochin University, Cochin.

d) A Hindi National Poets' meet was organised by the Department in which poets like Dr. Ravindra Bhramar, Dr. Hanumant Naidu, Principal Shyam Narain Pandey participated.

ii) Teaching Staff

1. Dr. A.K. Pandey
M.A., Ph.D. D.Litt. Professor & Head of
the Department.
2. Dr. B.D. Mishra
M.A., Ph.D. Sr. Lecturer
3. Dr. (Smt) Ishrat bi Khan
M.A., Ph.D. Lecturer

iii) Visiting Teachers

Dr. V.N.Singh, M.A., Ph.D., Professor and Head of Hindi Department, Central University, Hyderabad, delivered ten lectures.

iv) Visitors

Prof. B.S.Rajurker, M.A., Ph.D., D. Lit; Vice-Chancellor of Marathawada University, Aurangabad, visited the Department.

1.3 Department of Marathi

i) Teaching Staff

- | | |
|-------------------------------------|--|
| 1. Dr.P.B.Wader
M.A., Ph.D. | Professor and Head of
the Department. |
| 2. Shri S.P.Komarpant
M.A. | Lecturer |
| 3. Shri V.D.Sawant
M.A., M.Phil. | Lecturer |

ii) Participation in the Seminar, Conference, Workshop etc.

Name of the Participant Seminar, Conference, Workshop etc

- | | |
|-----------------------|--|
| 1. Dr. P.B.Wader | Participated and read a paper on the Marathi Short story in the seminar organised by the Marathi Department of Bombay University. |
| 2. Shri S.D.Komarpant | i) Participated in seminar organised by the Goa University on "Contemporary Marathi Drama" and read a paper on "Dramas of Jayawant Dalvi".

ii) Attended the seminar organised by Alochana Prahshthan, Bombay. |

iii) Publication

a) Dr. P.B.Wader

1. Selected works of N.S. Phadke - April 1988 by Sahitya Akademi, New Delhi (in collaboration)
2. Ashaya ani Avishkar (Critical Articles) published by Mehta Prakashan, Pune, in July 1988.

Articles

i) "The Short Storey - A note on the development of its form". Yugvani, April, May, June 88.

ii) "The Marathi Short Story - Its origin and development" "Utsava"- Diwali Special Number, 1988.

b) Shri S.D.Komarpant

Articles

1) "Book review - "Kavita: Dona Parisamrada" Published by People's College, Nanded. Gomantak/2nd July, 1987.

2) "Style in writing of N.G. Gore".
Gomantak/15th August 1987.

3) Book review: "Swapnamegha" by Gopalrao Mayenkar. Navshakti/30th August, 1987.

4) Dalit Literature: Gomantak/ 17th January, 1987.

5) "Poetry of N.V. Tilak ". Gomantak/6th April 1988.

6) "Nature poetry of Vasant Sawant": Gomantak/10th June 1988.

iv) Research students

<u>Name of the Research Guide</u>	<u>No. of students for Ph.D.</u>
Dr. P.B.Wader	Four (4)

- v) Shri Uday Khanolkar submitted his thesis for Ph.D. in March, 1988, under the guidance of Dr. P.B.Wader. The subject of the thesis is "Characters in the novels of Late C.T. Khanolkar - A critical study".

1.4 Department of French

i) General

a) Dr. M.L.Sardessai

1. Honoured by the French Govt. with the title of "Chevalier des Palmes Acadimiques" for his valuable contribution to French learning, literature & culture in India.
2. He is the Editor of the Konkani Section.
3. Edited the Konkani Section of the forthcoming integratedd history of Indian Literature, Sahitya Academy.
4. Contributed French poems to "Carrefour" Bulletin of the Alliance Francaise, Delhi.
5. Gave talks on Konkani and French literatures for All India Radio, Panaji and Bombay.
6. Delivered talks on French literature under the aegies of the Alliance Francaise in Panaji & Margao.

b) Ms. Belinda Fernandes

1. Prepared the 9th Std. French Text Book.
2. She was part of the Editorial Board in French (Goa Board)

ii) Teaching Staff

- | | |
|--|---|
| 1) Dr. M.L.Sardessai
M.A.(French),
Ph.D.(French) | Coordinator and Head
of the Department |
| 2) Ms. Belinda Fernandes
M.A. (French) | Lecturer |

ii) Visiting Teachers

Jean Luc Proffit, Lecturer in French, Poona University, lectured on French translations and interpretation (paper VIII) and Essay Writing (Paper VI) and conducted classes in French conversation.

iii) Visitors

i) Mr. Lucien Bouclier, Director of Alliance Francaise de Goa, visited our library and conversed with our students.

ii) Mr. Dalgalian, Director General of Alliance Francaise and an eminent linguist, had a talk with Dr. Sardessai and Belinda Fernandes regarding the programme of the forthcoming French Festival in India.

iii) Mr. Jean Marc Gruere, Director of Alliance Francaise de Goa.

iv) Visits Abroad

Belinda Fernandes visited the Alliance Francaise of Hongkong and Macau in November 1988. Visited the office of Alliance Francaise, studied the working of the Institutions and the methods used to teach French to Foreign students.

v) Participation in Seminars, Conferences, Workshops etc.

Name of the participant

Seminars, Conferences Workshops etc.

1. Dr. M. L. Sardesai
and
Ms. Belinda Fernandes

Participated actively in the Workshop for the preparation of the French Text Book by the Goa Board of Secondary and Higher Secondary Education.

2. Dr. M. L. Sardesai

i) Conducted classes for Konkani teachers in Panaji & Margao under the aegis of State Institute of Education, Goa.

ii) Actively participated in the World Biennale of Alliance Francaises held in New Delhi in 1987.

iii) Conducted classes for Konkani teachers in Margao under the aegies of Konkani Bhasha Mandal.

iv) Participated in the Multi - Lingual Poets meet in Mysore Darbar, organised by the Govt. of Mysore on Dussera day.

v) Actively participated in the Seminar, on K.M.Munshi, to celebrate K. M. Munshi's Birth Centenary organised jointly by Bharatiya Vidhya Bhavan & Sahitya Academy.

3. Belinda Fernandes

i) Resource Person for the Workshop for Teachers of French organised by the Alliance Francaise & the Goa Board.

ii) Convenor for the preparation of the IX std. French Text Book .

iii) Attended the Workshop on French Song, organised by the Alliance Francaise.

iv) Attended the orientation course for lecturers at the Goa University.

1.5 Department of Portuguese

i) General

During the year under report, this Department functioned as part of the Department of French. However, from the coming academic year, it will be de-linked from the Department and will function as a separate entity with its own Board of Studies. Proposal to start an eight paper course for Portuguese Entire is already under active consideration..

ii) Teaching Staff

Dr. Maria Selma de Vieira Velho Lecturer
M.A., Ph.D.

iii) Research Papers under preparation

1. "A Epoca do Arcebispo-Governador Dom Frei Aleixo de Menezes".
2. A Correspondencia dos Vice-Reis da India
3. Do Documento Historico a Obra Literaria.

iv) Publications

1. A paper on "Algunas Possiveis Influencias dos Viajantes de Portugal nas Zonas Costeiras do Oriente nos Seculos XVI & XVII", published by the Instituto Cultural de Macau in the Revista Cultural No.3 (Oct/Nov/Dec.1987). This paper will also be published by the Revista in Chinese and English.
2. A paper on "Aspectos da Cultura Indiana", published by the prestigious cultural magazine "Nova Renascencia", Lisbon (1987 edition).
3. A paper on "The influence of the Portuguese language in the East" presented at the National Seminar on Modern Indian Languages, Aligarh Muslim University - Nov. 1987.

1.6 Department of Economics

i) Teaching Staff

1. Dr. M.A. Shahi Professor and Head of
B.A. (Hons)., the Department.
M.A. (Mysore), M.A. (Chicago)
Ph.D. (Kent), F.S.S., (London)
2. Dr. A.R. Padoshi Reader
M.A., Ph.D.

3. Mrs. S.M.Noronha Lecturer
 B.A.(Hindi),
 M.A.,D.H.E.

ii)Contributory Teachers

1. Shri B.A.Gomes,M.A.
 St. Xavier's College, Mapusa.
2. Shri J.A.Menezes, M.Sc.
 Dhempe College of Arts & Science, Panaji.

iii)Visiting Teachers

1. Dr. S.Nagaraju, Professor of Economics
 M.A., Ph.D. Dept. of Studies in
 Economic & Cooperation.,
 University of Mysore,
 Karnataka.
2. Dr. R.R.Doshi, Professor of
 M.A.,Ph.D. Agricultural Economics,
 Shivaji Univ.Kolhapur,
 Maharashtra.

iv)Publications

1. Dr. M.A. Shahi

a)Published

- i) "International Reserve Flows and Monetary Equilibrium in the Sudan"(Co-author:E.Contogiannis)
 The Asian Economic Review.
- ii) "Monetary Velocity in the Sudan". Indian Journal
 of Economics.
- iii) "Tax Ethics, Unaccounted Income or Black Money
 - The Norm of the Day", Book Review: Asian Economic
 Review.

b)Forthcoming

"The Demand for money in African Countries - Some
Empirical Evidence - 1960-1985", Asian Economic
Review.

c)Ready for Publication

- i) "Sector Shares and Economic Development - A re-
 examination of the Kuznet's Hypothesis".
- ii) "Labours' Share, Labour Productivity and
 Economic Development".

2. Dr. A.R.Padoshi

a) Ready for Publication

"Agriculture in Goa: Retrospect and Prospect".

b) At hand

"Land Reforms in Goa".

3. Mrs. S.M.Noronha

a) Ready for publication

Workers Ownership and Management of Industry -
Its Feasibility in India.

b) In Progress

- i) Women Workers and their problems
- ii) De-centralised Planning - Pros and Cons.

c) At hand

"The Economic History of Goa".

v) Visitors

Dr. Reshad Gool and Mrs. Hilda Gool, University of
Prince Edward Island, Canada.

vi) Participation in Seminars, Conference etc.

<u>Name of the Participants</u>	<u>Seminar, Conference etc.</u>
1. Dr.M.A.Shahi and 2. Mrs. S.M.Noronha	1. Participated in the 29th Annual Conference of the Indian Society of Labour Economics, at Madurai Kamaraj University, Tamil Nadu. DR. Shahi was re-elected as member of the Executive Committee. Mrs. Noronha presented a paper on "Workers Ownership and Management of Industry. 2. Participated in the "American Constitution Seminar" organised by the Department of Political Science, Goa University. 3. Participated in the "Development Problems" ICSSR Seminar organised jointly by the

Departments of Economics, Political Science and Sociology of the Goa University. Dr. Shahi presented a paper on "Sector Shares and Economic Development".

1. Dr.M.A.Shahi Participated in the 70th Annual Conference of the Indian Economics Association at the University of Rajasthan, Jaipur, and was elected member of the Executive Committee.
2. A.R. Padoshi
 - 1) Presented a paper on "Role of Agriculture in the Future Economic Development of Goa "at the ICSSR Seminar on "Problems of Development" held at the Goa University.
 - 2) Presented a paper on "Economic Planning and Market Mechanism in Socialistic Countries" and conducted discussions at the 12th Annual conference of Marathi Arthashastra Parishad.
- 1.Mrs.S.M.Noronha Participated in the Seminar on "The History of the Labour Movement in Goa" organised by the Xavier Centre of Historical Research at Porvorim.

vii)Contribution to Curricular activities

1. Dr. M.A.Shahi was nominated to the Membership of Advisory Council of ICSSR, Western Region, Bombay, by the Vice-Chancellor of the Bombay University, Dr,(Miss) M.Bengalee.
- 2.He was also nominated to the Membership of the Goa State Planning Board.
3. He delivered special lectures in the Department of Economics, Karnataka University, Dharwad and its PG Centre at Belgaum.

viii)Research Students

<u>Name of Research Guide</u>	<u>No. of Students of</u>		<u>University</u>
	<u>for Ph.D. Degree</u>		
	Full time	Part time	
1. Dr. M.A.Shahi	1	-	Goa
2. Dr. A.R.Padoshi	-	2	Bombay

1.7 Department of History

i) General

a) The Department organised the "Golden Jubilee Year" session of the Indian History Congress on 5-7 November 1987. The Session was inaugurated by His Excellency Dr. Gopal Singh Governor of Goa at the Kala Academy Hall Campal, Panaji. The Vice-Chancellor, Dr. B. Sheik Ali welcomed the delegates and guests. Dr. Satish Chandra, former Chairman of the University Grants Commission presided in the absence of Dr. H.D. Sankalia General President of the Indian History Congress. Dr. D.N. Jha, General Secretary of the IHC compered the inaugural session. Dr. B.S. Shastry, Local Secretary, proposed a vote of thanks.

b) The Department organised also the first "D.D. Kosambi memorial Lecture" on 18 February 1988. The guest lecturer was Dr. Diptendra Banerjee, Professor of History, Burdwan University, West Bengal. The topic of his lecture was "Marx's view on pre-colonial India". The Vice-Chancellor, Dr. B. Sheik Ali, presided and explained the significance of the memorial lecture. Dr. B.S. Shastry introduced Prof. Banerjee to the audience and Dr. K.M. Mathew proposed a vote of thanks.

ii) Teaching and Research Staff

- | | |
|------------------------------------|---------------------------------------|
| 1. Dr. B.S. Shastry
M.A., Ph.D. | Reader and head of the
Department. |
| 2. Dr. K.M. Mathew
M.A., Ph.D. | Lecturer |
| 3. Ms. Sheela Arware
M.A. | Research Asstt. |

iii) Contributory Teachers

1. Shri Daniel D'Souza, M.A. from St. Xaviers College.
2. Shri D.L. Naik, M.A. from Chowgule College.
3. Shri P.D. Xavier, M.A., B.Ed. from Dhempe College.
4. Smt. P. Anthony, M.A. from Chowgule College.
5. Dr. P.P. Shirodkar, Dr. Joseph Barros, and Dr. T.R. D'Souza delivered four lectures each.

iv) Visitors

Dr. Diptendra Banerjee, Professor of History, Burdwan University, West Bengal, delivered a lecture on "Class Struggle", to M.A. Students of History.

v) Visits Abroad

Dr. B.S. Shastri visited England and the United Arab Emirates from 16th to 28th December 1987. His visit to England was to participate in the international Workshop on "Indian Ocean Slave Trade". He visited the University of U.A.E. Al Ein on 27th December, 1987 to acquaint himself with the organisation of the Department of History there, the staff pattern, syllabi etc.

vi) Participation in Seminars, Conference, Workshop etc.

<u>Name of the Participant</u>	<u>Seminars, Conference, Workshop etc.</u>
1. Dr. B.S. Shastri	1) Participated in the 3-day Silver Jubilee year International Seminar of Indian History at Shivaji University, Kolhapur, and presented a paper on "Commercial Policy of the Portuguese in the Adil Shahi Deccan during the sixteenth century a.d." 2) Participated in the 3-day International Workshop on the Indian Ocean Slave Trade organised by the School of Oriental and African studies, University of London and presented a paper on "Slavery in Portuguese Goa: A Nineteenth century scene". 3) Participated in the 8th Annual Conference of the South Indian History Congress, Quilon, Kerala. He was elected Sectional President (Socio-Economic History for the 9th Annual Conference to be held in Pune). Presented a paper on "Religious Policy of the Portuguese in South India in the Sixteenth Century".

4) Participated in the 3-day seminar on the Adil Shahis of Bijapur, organised by the Karnataka Itihasa Academy, Bangalore; Presented a paper on "Coastal Karnataka in Portuguese- Adil Shahi Relation, 1498-1654".

5) Participated in the 2-day Workshop on "India and Mossambique: Past and present organised by the Directorate of Archives, Archaeology and Museum, Govt. of Goa, Panaji.

6) Participated in the 48th Session of the Indian History Congress, Goa University. Presented a paper on "Commercial Policy of the Portuguese vis-a-vis the Adil Shahis of Bijapur in the sixteenth century A.D.".

7) Participated in the 4-day workshop on "Writing objective Type items (Questions) in Indian History "for Civil Services (Preliminary) Exams, organised at Delhi by the Union Public Service Commission.

2. Dr. K.M.Mathew

1. Attended a seminar on "American Constitution" organised jointly by the American Centre, Bombay and the Department of Political Science, Goa University.

2. Attended the Indian History Congress held at Goa as member of the Organising Committee and Joint Secretary Reception Committee.

3) Attended a two day seminar on "Problems of Development" sponsored by ICSSR and organised by the Department of Political Science, Goa University.

4) Attended the 8th Annual Session of the South Indian

History Congress held at Quilon.

5) Attended a two day seminar on "India and Mossambique: Past and Present" organised by the Directorate of Archives Archaeology and Museum, Goa and presided over one of the sessions .

6) Attended a Seminar on "History of Labour Movement in Goa since Liberation" organised by the Xavier Centre of Historical Research, Goa and presided over one of the sessions.

vii) Publication

a) Dr. B.S. Shastry

i) Edited Goan Society Through the Ages (Seminar Papers), New Delhi, Asian Publication Services, June 1987.

ii) "Sources of Income and Items of Expenditure of the Churches in Goa (C.1510-1800 A.D.) : A Note" Goan Society Through the Ages (Seminar Papers), New Delhi, 1987, PP. 35-47.

iii) "Historiography in Kannada, 1900-1947", Historiography in Modern Indian Languages, 1800-1947 edited by Tarasankar Banerjee, Calcutta, Naya Prakash, 1987, pp. 171-84.

b) Dr K.M. Mathew

History of the Portuguese Navigation in India (1498-1600), Delhi, Mittel publications, 1988.

viii) Contribution to co-curricular activities

Dr. B.S. Shastry contributed to the promotion of the activities of the Students Council through its Workshop on Research Methodology. Spoke at the Workshop on "My Experiences of Ph.D. Research". Participated as a member of the Discussion Panel at the same Workshop at its concluding session.

ix) Research students

<u>Name of the Research Guide</u>	<u>No. of students for Ph.D. Part-time</u>
1. Dr. B.S. Shastry	Nine (9)

2. Dr. K.M. Mathew

Four (4)

x) Research Project

Dr. B.S.Shastry: "Goa Through the Ages" in collaboration with Dr.B.Sheik Ali Dr. P.P.Shirodkar, Dr. Joseph Barros and Dr.T.R. D'Souza.

1.8 Department of Political Science

i) Teaching Staff

1. Dr. Adi H. Doctor, M.A., Ph.D., Professor and Head of the Department.
2. Dr. M.J. Audi, M.A., Ph.D., Reader
3. Dr. Peter R.D'Souza, M.A., Ph.D., Lecturer.

ii) Visiting Teachers

Prof. N.R.Imandar, Prof. Emeritus and former Head of the Department of Political Science & Public Administration, University of Poona, visited the Department and gave six lectures on Personnel and Financial Administration.

iii) Visitors

Dr. James Roach, former USIS Cultural Affairs Officer and Foreign Affairs Specialist visited the Department and met the faculty and students. Dr. Roach addressed the faculty members and lectured on "Foreign Policy in the 1988 Presidential campaign".

iv) Seminars organised by the Department

During the year, the Department of Political Science organised the following seminars:

- 1) A Seminar on "American Constitution: Presidents, Politics and Policy", sponsored in collaboration with USIS, Bombay.
- 2) A seminar on "Problems of Development" sponsored in collaboration with the Western Regional Centre of ICSSR Bombay.

v) Participation in Seminars, Conferences, etc..

Name of Participants

Seminar, Conferences, etc.

Prof. A.H. Doctor i) Seminar on "American Contribution", jointly sponsored by

USIS, Bombay and Goa University. A paper on "Balance of Powers- Why and How" was presented by Prof. Doctor at the Seminar.

ii) Seminar on "Problems of Development" jointly sponsored by the Western Regional Centre of the ICSSR and Goa University. Prof. Doctor presented a paper on "Bureaucracy and Development Orientation".

(iii) National Seminar on "The Contribution of Ram Manohar Lohia" sponsored by UGC, Mangalore. He presented a paper on "Lohia's Quest for an Autonomous Socialism".

1. Prof. A.H. Doctor and
 2. Dr. M.J. Audi
- Attended a Workshop in "India and Mossambique", sponsored by the Directorate of Archives, Archaeology and Museum.

Dr. Peter R.D'Souza i) Attended the workshop on "Recent Developments in Theory" organised by the American Studies Research Centre, Hyderabad.

ii) Participated in the Seminar on "The History of the Labour Movement in Goa" organised by the Xavier Centre of Historical Research, Goa.

vi) Contribution to Curricular Activities.

1. Dr. M.J. Audi gave a lecture on "Communalism and Politics", at the Damodar College of Commerce, Margao.
2. Dr. Peter D'Souza gave lectures at the Mangalore University on the subject of Science and Democracy.
3. Prof. A.H. Doctor was Course Co-ordinator for the First Orientation Course conducted by the Academic Staff College of Goa University.
4. Prof. A.H. Doctor and Dr. M.J. Audi were Resource Persons for the IAS coaching class conducted by the Goa University.
5. Prof. A.H. Doctor prepared course material on Unit 24 "Anarchism" for the Indira Gandhi Open University, Delhi.

6. Dr. M.J. Audi was Resource Person for the Academic Staff College of Goa University.

7. Dr. M.J. Audi gave extension lectures under the auspices of the Board of Extra-Mural Studies of Goa University.

8. Dr. Peter R.D'Souza helped the Goa University in organising the Indian History Congress.

9. Dr. Peter D'Souza helped the University prepare proposal for the activities of the Nehru Centenary Year.

vii) Publication

a) Prof. Adi H. Doctor 1. Article on "Nehru's Foreign Policy : An appraisal", published in the book "Studies on Nehru", edited by V.T. Patil, Sterling Publishers Pvt. Ltd., New Delhi.

2. Article on "Striving for Autonomy: A study of Public Sector Enterprises" published in the book "State Enterprises -The Emerging Scenario", edited by Satish Batra and T.J. Jain, Printwel Publishers Jaipur and Delhi.

3. Paper on "Nehru on Language and Linguistic States" published in the Radical Humanist, Vol. 51 issue No 3 (Editor V.M. Tarkunde).

b) Dr. M.J. Audi

The following articles were published in the Navhind Times, Panaji Goa.

i) Teachers Pay Scales, issue dated 18.8.87

ii) Teachers Union, issue dated 24.9.87.

iii) Democracy in India, issue dated 20.11.87

iv) In Search of Great, issue dated 31.1.88

v) Riddle of Leadership, issue dated 13.3.88.

viii) Research Project under the assistance of the University.

- a) Name of Awardee : Dr. M.J. Audi
b) Amount of Grant : Rs. 3,850/-
c) Title of Research Project : "Study of Corruption: Causes and Consequences".

ix) Research Students

<u>Name of Research Guide</u>	<u>No. of Students Registered for Ph.D.</u>
1. Prof. A.H. Doctor	Four (4)
2. Dr. M.J. Audi	Two (2)

1.9 Department of Sociology

i) Teaching Staff

The Department is headed by Shri S.R. Phal, who is also the Reader in the Department. In addition, Shri A.S.Siqueira, M.A. is the Lecturer in Sociology.

ii) Visiting Teacher

Prof. G.S. Aurora (UGC National Professor) from the Dept. of Sociology and Anthropology, University of Hyderabad, visited the Department in August, 1987.

iii) Participation in Seminars, Conference, Workshop etc.

<u>Name of Participants</u>	<u>Seminar, Conference, Workshop</u>
1. Shri S.R. Phal and 2. Shri A.S. Siqueira	Participated in the Seminar on problems of Development, organised by ICSSR WRC - Bombay in Goa University Campus on the 24th and 25th Nov., 87, Shri Phal also presented a paper on "Social Welfare Measures and Development of Scheduled Castes in Goa".

iv) Research Students

<u>Name of the Guide</u>	<u>No. of Ph.D. Students</u>	
	<u>Full time</u>	<u>Part time</u>
1. Shri S.R.Phali	1	4

1.10 Department of Konkani

i) General

Dr. O.J.F. Gomes

a) Served as Reviewer of Konkani Textbooks for the Goa State Institute of Education, Porvorim, as well as for Konkani and English books for the Dept. of Education, Ministry of Human Resources Development, Govt. of India, New Delhi.

b) Served as Chairman of the Canteen Committee and submitted proposals for improvement in its food quality, service and cleanliness and facilities for users.

c) Conducted coaching classes for prospective candidates for the Union Civil Service Examination in the temporary Civil Service coaching centre for three months.

d) Was nominated by the Goa State Govt. as its representative on the general council of the Sahitya Academy (National Academy of Letters), New Delhi, and later was unanimously elected as Member of the Executive Board of the Academy for a five year term and as ex-officio National Convenor of the Academy's Advisory Board for Konkani.

ii) Teaching Staff

Dr. O.J.F.Gomes Professor and Head of the
Portuguese Lyceum, Department.
B.A. in English
Literature, Psychology,
Sociology.
M.A. & Ph.D. in Sociology.

iii) Research Project

Project of reconstruction of old Konkani Literary texts, their study, transliteration, editing, etc - History of Konkani Literature written during the

period.

iv) Participation in Conference, Seminars, Workshop etc. .

During the year, Dr. Gomes participated in:

a) National Seminar on "Comparative Study of Indian Languages" sponsored by UGC and organised by the Department of Modern Indian Languages, Aligarh Muslim University at Aligarh (U.P.). He presented a paper on "Konkani's interaction with other languages - an exercise in assimilation and transmission".

b) Directed and participated in the Workshop on "Konkani Teaching Methodology", organised by the Department, with a paper on "Brief History of Konkani Literature".

c) Participated in two meetings of Goa Konkani Academy to hammer out standardisation in aspect of Konkani orthography in Devanagari script.

1.11 Department of Philosophy

i) Teaching Staff

Dr. A.V. Afonso M.A. (Phil). M.A. (Soc.), Ph.D.	Reader and Head of the Department.
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Dr. U.A. Vinay Kumar M.A. (Phil), Ph.D.	Lecturer
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Dr. A. Raghu Rama Raju M.A. (Phil), Ph.D.	Lecturer
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ii) Visitors

a) Prof. S.A. Shaida, I.I.T., Kanpur

b) Prof. R.A. Sinari, I.I.T., Bombay

c) Prof. S.S. Antarkar, University of Bombay

All the visitors delivered lectures in the Department.

iii) Publication

Dr. Raghu Rama Raju A.

"Popper's closed Society" : "Reconsidered" -

Indian
Philosophical
Quarterly, Vol.
1, No. 4, Oct-
Dec., 1987.

Dr. U.A. Vinay Kumar

"Existence of Self and
Adhyasa in Advaita"

: Accepted Publication
in the Journal
of Indian Philoso-
phy.

iv) Any other details

The department organised Young Philosophy Scho-
lars' Seminar on 15-19 February, 1988.

2.1 Department of Mathematics

i) General

- 1) Prof.S.G.Deo gave a lecture series at
 - a) I.I.T. Bombay on "Variation of Parameters
Technique in Ordinary Differential Equations".
 - b) Marathawada University, Aurangabad on "Some New
Developments in Differential Equations"(UGC
Fellowship Scheme)
- 2) He also gave two lectures on "Role of Mathematics
in Modern Age" and "Higher Education in
Universities of Western Countries" in the Staff
Academic College of Goa University.
- 3) The Department organised a seminar on "Facets of
Mathematics" in which Dr.H.V.Kumbhojkar spoke on
"Fuzzy Mathematics", Dr.D.Y.Kasture on
"Mathematics and Human Heart", Dr.G.R.Bhat on
"Dynamical Systems and Chaos", Dr.Y.S. Prahalad on
"Mathematics of Ocean Sciences" and Dr.S.G.Deo and
Mr.A.S.Mudbidri held panel discussion on Teaching
of Mathematics.
- 4) During the year under report, Prof.S.G.Deo worked
as a member of the Executive Council, Academic
Council, Affiliation Committee, Advisory Council of
Home Science College of Goa University and member
of BOS in Mathematics, Karnataka
University, Dharwad.

35
Date.....
D. S. D. S.
30/10/1988

ii) Teaching Staff

1. Dr.S.G.Deo, M.Sc., Ph.D. Professor and Head of the Department.
2. Dr.Y.S.Prahalad, M.Sc., Ph.D. Reader
3. Dr.M.T.Nair, M.Sc., Ph.D. Lecturer

iii) Contributory Teachers

1. Mr.S.V.Kamat, M.Sc. from Dhempe College of Arts, & Science, Panaji.
2. Dr.Paul T.Vaz, M.Sc., Ph.D. from Engineering College, Farmagudi.
3. Mr.Alexander Jacques, M.Sc. from Ship-building Institute, Vasco.

iv) Visiting Teachers

1. Dr.H.V.Kumbhojkar, M.Sc., Ph.D. from Shivaji University, Kolhapur.
2. Dr.D.Y.Kasture, M.Sc., Ph.D. from Marathawada University, Aurangabad.

v) Participation in Seminars, Conferences etc.

Name of the Participant

Seminars, Conferences etc.

1. Prof.S.G.Deo

i) Attended International Conference on "Non-linear Analysis and Applications to Bio-Mathematics" held at Andhra University, Waltair, and presented a paper on "Volterra Integral Equations involving Lebesgue Stieljes Integrals". He also chaired one of the session of the conference.

ii) Attended Workshop held at Andhra University, Waltair.

iii) Attended Vice-Chancellors Conference, at the Bombay University as a representative.

iv) Attended a meeting on the "Establishment of Staff Academic Colleges in India" of the University Grants Commission, Delhi.

vi) Publications

1. Prof. S.G. Deo &
Dr. P.T. Vaz

i) "On a class of non-linear differential equations" - Indian Journal of Pure and Applied Mathematics, Vol.18, No9(1987) pages 801-809).

ii) "Non linear Integral Inequality in two independent variables" - International Journal of Mathematics and Mathematical Sciences, U.S.A. Vol.11, No1(1988) pages 115-120.

iii) "On retarded differential equations" Bulletin of Bombay Math. Coll. (1987).

2. Dr. Y.S. Prahalad

"Group Theoretical Methods in Disordered System" - Phys. Letts. A, Vol.122, page 335(1987).

3. Dr. M.T. Nair

"A modified Projection Method for equations of the second kind" - Bull, Australian Mathematical Society (1987).

vii) Research Students

<u>Name of the Research Guide</u>	<u>No of students for Ph.D. degree</u>	
	<u>Full time</u>	<u>Part time</u>
1. Prof. S.G. Deo	1	1
2. Dr. Y.S. Prahalad	-	2

2.2 Department of Physics

i) Teaching Staff

1. Dr. C. Mande, M.Sc., Ph.D. Professor and Head of
(Allahabad) D.Sc. (Paris),
F.A.Sc., F.N.A.Sc., F.M.A.S. the Department
2. Dr. R. B. Prabhu, M.Sc., Ph.D. Reader
(Ohio State U.S.A.)
3. Dr. J. A. E. Desa, M.Sc., Ph.D. Reader
(Reading, U.K.)
4. Dr. A. K. Heblekar, M.Sc., Ph.D. Lecturer
(Bombay)
5. Dr. G. R. Bhat, M.Sc., Ph.D. Lecturer
(Bombay)

ii) Contributory Teachers

1. Prof. V. P. Sahakari, M.Sc., Lecturer from Dhempe College, gave 14 lectures during the I term and 26 lectures during II term.
2. Prof. V. R. Acharya, M.Sc. Lecturer from Dhempe College gave 12 lectures during the I term and 24 lectures during II term.
3. Prof. A. F. Barbosa, M.Sc. Lecturer from Dhempe College gave 2 and 25 lectures respectively during I and II terms
4. Prof. R. B. Tangsahi, M.Sc. Lecturer from Dhempe College gave 10 and 3 lectures respectively during I & II terms
5. Prof. A. B. Coelho, M.Sc. Lecturer from St/Xavier's College gave 20 lectures during the II term.
6. Prof. C. R. Bhonsale, M.Sc. Lecturer from St. Xavier's College gave 12 and 10 lectures respectively during the I and II terms.
7. Prof. R. R. Ghantwal, M.Sc. Lecturer from Chowgule College delivered 8 and 25 lectures respectively during the I and II terms.
8. Prof. S. N. Fai Raiturkar, M.Sc. Lecturer from Chowgule College gave 6 and 18 lectures respectively during I & II terms.

9. Prof.S.M.Sadique,M.Sc. lecturer from Chowgule College gave 14 and 28 lectures respectively during I and II terms.

10. Prof.N.V.Kamat, M.Sc. Lecturer from Chowgule College gave 10 lectures during the II term.

iii)Participation in Seminar,Conferences,Workshops etc.

Name of the Participant Seminar,Conference,Workshop etc.

- | | |
|---|---|
| 1. Dr.C.Mande | Participated in the National Meeting on "Superconductivity" held at UGC ,New Delhi. |
| 2. Dr.R.B.Prabhu | Attended the International Workshop on "Physics of materials" at the Jamia Millia Islamia, New Delhi. |
| 3. Dr.J.A.E.Des
and
Dr.A.K.Heblekar | Attended the Symposium on "Solid State Physics" organised by the Dept. of Atomic Energy,Bombay. |
| 4. Dr.G.R.Bhat | Attended the annual meeting of the Indian Academy of Sciences,Hyderabad. |

iv.Publications

- (1) Dr.C.Mande (with A.P.Deshpande & V.B.Sapre) Study of the Environment of copper in some ternary chalcogenide by EXAFS spectroscopy- Physica Status Solidi (b)Berlin, East Germany, Vol.145,1988.pp.77-88.
- (2) Dr.C.Mande (with A.P.Deshpande) Basic interactions in X-ray scattering - Physics Education,(UGC journal of higher education), Vol.4, No.3 Oct-December 1987, pp 148-163.
- (3) Dr.G.R.Bhat(with V.Singh & K.Banerjee)-Mean field approach to the gap of a model Interacting system, - Int.Journal of Mod.Phys. B,vol.2,p87(1988).
- (4) Dr.J.A.E.Des (with A.C.Wright & R.N.Sinclair) A Neutron diffraction investigation of the structure of vitreous - Journal of Non-crystalline solids, vol.99(2-3),1988, Germania p.276.

10.General contributions

Dr.Des,Dr.Bhat and Dr.Prahalad (of the Mathematics Dept.)acted as quiz masters in the Intercollegiate

Quiz Competition. Dr.Mande gave a talk in the National Science Day Celebration organised by the Govt. of Goa.

vi. Any other details

Dr.G.R.Bhat participated in the national programme of the NCERT, New Delhi, for writing text books for classes VII to XII under the New Education Policy of the Government of India.

2.3 Department of Chemistry

The Department consists of three disciplines, i.e. Inorganic, Organic and Physical Chemistry. Post-graduate degrees are awarded in each of the disciplines separately.

i. Teaching Staff

During the year 1987-88, Dr.V.N.Kamat Dalal, Reader, functioned as the Head of the Department, as Dr.S.K.Paknikar, Head of Department was appointed on a National Fellow, for a period of two years beginning from 20th July 1985. However, Dr.Paknikar continued to offer his services as Guide of Research students. Details of the members of the teaching staff, and their designation are as follows:

<u>Name</u>	<u>Designation</u>
1. Dr. V.N.Kamat Dalal, M.Sc.Ph.D.	Reader
2. Dr. J.K.Kirtany, M.Sc.,Ph.D.	Reader
3. Dr. K.S.Rane, M.Sc.,Ph.D.	Lecturer
4. Dr. B.D.Desai, M.Sc.,Ph.D.	Reader
5. Dr. S.P. Kamat, M.Sc.,Ph.D	Lecturer
6. Dr.J.B.Fernandes, M.Sc.,Ph.D.	Lecturer
7. Dr.K.S.Budkuley, M.Sc.,D.H.E.,Ph.D.	Lecturer

ii. Contributory Teachers:

During the year, contributory teaching was also done by the following teachers. The details are as follows.

1. Shri S.H.Harite, M.Sc.,LL.B., Lecturer and Head of Chemistry Department in Dhempe College of Arts & Science delivered 20 lectures.
2. Dr.P.K.Omkar, M.Sc. Ph.D., Lecturer of S.F.Chowgule College, delivered 30 lectures.

3. Dr.(Fr.)N. Pereira, M.Sc.,Ph.D., Principal of St.Xaviers College, delivered 16 lectures.
4. Shri S.G.Deshpande,M.Sc. Lecturer in S.P.Chowgule College delivered 34 lectures.
5. Shri G.R.Dukle,M.Sc., Lecturer in St.Xavier's College delivered 13 lectures.
6. Shri V.S.Dinge, M.Sc.,Lecturer in Dempe College delivered 14 lectures.
7. Dr.K.G.Kamat, M.Sc., Ph.D., Lecturer in Dhempe College delivered 11 lectures.
8. Dr.R.V.Tamba,M.Sc., Ph.D.,Asst.Professor in Pharmacy College delivered 16 lectures.
9. Shri B.V.Shirwaikar, M.Sc.,Lecturer in S.P.Chowgule College delivered 8 lectures.
10. Shri V.V.Gharse,M.Sc., Lecturer in S.P.Chowgule College delivered 24 lectures.
11. Shri S.K.Naik,M.Sc., D.H.E. Lecturer in S.P.Chowgule College delivered 8 lectures.
12. Shri R.S.Padiyar,M.Sc. (Inorg.,M.Sc.(Org))Lecturer in S.P.Chowgule College delivered 12 lectures.
13. Shri S.P.S.Kakodkar, M.Sc., D.H.E., Lecturer in S.P.Chowgule College delivered 10 lectures.
14. Shri E.M.Rayker, M.Sc. Lecturer and Head of Chemistry Department in S.P.Chowgule College delivered 22 lectures.

iii) The following teachers delivered lectures on specialised topics:

1. Shri P.D.Gumaste,Head of the Dept. of Chemistry, S.P.K. College,Sawantwadi.
2. Dr.B.D.Hosangar, Dept.of Chemistry, Bombay University, Bombay.
3. Dr.S.B.Kulkarni, Dept. of Chemistry, Poona University, Poona.

iv) Visitors to the Department

1. Prof.Akira Yoshikoshi Director,Chemical Research
M.Sc.,Ph.D. Institute of Non-aquous
Solutions,Tohoku Univer-
sity,Japan, delivered a

talk on 7th March, 1988 on the "Synthesis of picrotoxins".

2. Dr. Tomasz T. Suchecki, Ph. D. Polish Academy of Sciences, Institute of Environmental Engineering, delivered a talk on 13th Feb. 1988, on kinetics of SO₂ absorption on CaCO₃ slurry".
3. Prof. M. S. Wadia, M. Sc., Ph. D. Head of Department of Chemistry Poona University Poona delivered a talk on 9th March, 1988 on "Generation of - Acylcarbenium ions: A novel uncatalysed C - C Bond formation at room temperature".

v) Details of Research Students:

1. Five students for Ph.D. degree under the guidance of Prof. S. K. Paknikar.
2. One student for M.Sc. by Research under the guidance of Dr. J. K. Kirtany.

vi) During the year, Dr. Uday Naik was awarded Ph.D. degree of Bombay University under the guidance of Prof. S. K. Paknikar.

vii) Participation in Seminars/Conferences/Workshops.

1. Prof. S. K. Paknikar attended the National Symposium on "Recent Advances in Organic Chemistry" at Poona University (First synthesis of (-) - Biflora - 4,10(19), 15 triene and Absolute stereochemistry of khusol at C11).
2. Dr. J. S. Budkuley attended the symposium on "Hydrazine Chemistry" at the Indian Institute of Sciences, Bangalore and presented papers.
3. Dr. K. S. Rane attended workshop on "Fluorescence Spectroscopy - Theory and Applications" at the Indian Institute of Technology, Bombay.

viii) Publications

Dr. S. P. Kamat : Acylation of Phenols with Salicylic acid using polyphosphoric acid. S. P. Kamat and S. K. Paknikar - Indian Journal of Chemistry - Vol. 27. B - 773 pages.

Dr.B.D.Dessai : Applicability of Four models to the discharge behaviour of different phases of MnO₂ in alkaline and acidic Neutral Electrolytes.

B.D. Desai, R.A.S Dhame and V.N.Kamat Dalal, Journal of Applied Electrochemistry - Vol.18-1-13 pages.

2.4 Department of Microbiology

i) General

1. Students of Home Science College were provided, once a week with laboratory facilities for routine practicals.
2. Smt. Sarvamangala Kaliwal, Kum. Swarupa Kamat, Research students from the Department and Dr. Sarita Nazareth conducted practicals during the year.
3. Students of Home Science College were extended laboratory facilities for routine practicals (once a week).

ii) Teaching Staff

- | | |
|---|---------------------------------------|
| 1. Dr. Suneela Mavinkurve
Ph.D. | Professor & Head
of the Department |
| 2. Dr. Joe D'Souza
Ph.D. | Reader |
| 3. Dr. Irene Furtado Ph.D.
(Temporary w.e.f. 1.8.87) | Lecturer |

iii) Contributory Teachers

B Lectures

Name & Qualification.	Designation	Institution	No. of lectures delivered.	
			Term-I	Term-II

1.	Dr. L.Chandramohan Ph.D.	Scientist	National Inst. of Oceanography Dona Paula.	6	-
2.	Dr. N.B.Bhosle Ph.D.	Scientist	National Inst.Of Oceanography Dona Paula	6	13
3.	Dr. E.Lokabharati, Ph.D.	"	"	9	-
4.	Dr.S.Raghukumar, Ph.D.	"	"	5	-
5.	Dr.C.Raghukumar, Ph.D.	"	"	7	3
6.	Dr.M.S.Shailaja, Ph.D.	"	"	9	-
7.	Dr.S.N.Bhosle, Ph.D.	Lecturer	Dept.of Post Harvest Technology, Govt. Polytechniq	10	8
8.	Ms.Anita Barreto	Head PHTF	"	7	-
9.	Dr. S.Nazareth, Ph.D.			3	3
10.	Dr. A.Agate	Scientist	Maharashtra Association of cultivation of Science Pune	-	1
11.	Dr.M.Kutubuddin	"	National Institute of Virology,Pune	-	4
12.	Dr.S.S.Gogate	"	"	-	2
13.	Dr.J.Rodrigues	"	"	-	1
14.	Dr.M.B.Kalival	Entomologist	Directorate of Health Services, Panaji	-	10
15.	Dr. G.R.Bhat	Lecturer	Dept.of Physics, Goa University	-	8

3. Visiting Lecturers/Scientists

i) Dr. C. Anthony, Professor from University of Southampton U.K. delivered a lecture on "Biochemistry of Methyloprophs.

ii) Dr. V. Smetacek, Head, Biology, Alfred-Wagner-Institute for Marine and Polar Research Bremerhaven, FRG delivered a lecture on "Development of new concepts in the open ocean Environment".

iv) Research Students

<u>Name of Research Guide</u>	<u>Research Degree</u>	<u>No. of Students Working</u>
i) S. Mavinkurve	Ph.D.	2
ii) J.D.' Souza	M.Sc.	2

v) Visits Abroad

Dr. S. Mavinkurve, Professor of Microbiology, visited the following Institution in U.S.A. as Fulbright Fellow under UGC Indo-US visitorship Programme. During the visit she delivered lectures, carried out research and presented research papers.

i) Environment Protection Agency Laboratories, Gulf Breeze - Florida.

ii) Department of Pharmacy, University of Iowa, Iowa City.

iii) Department of Biochemistry, University of Illinois, Urbana-Champaign.

iv) School of Pharmacy, University of Mississippi, Mississippi.

vi) Participation in Seminars, Conferences etc.

<u>Name of the participant</u>	<u>Seminars, Conferences etc.</u>
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1. Dr. J.D.' Souza	Attended a National Workshop on "Applications of High Technology for Rural Development" at AMM Murugappa Chettiar Research Centre, Madras.
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2. Dr. I. Furtado	Attended conference of "Association of Microbiologist of India" held at Pune.
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vii) Study Tour

It is a regular feature of the Department to conduct study tours so as to acquaint the students with the various developments in their field of study. The annual tour this year was conducted from 11th to 15th January, 1988, when the students of M.Sc. Part II were taken to the following institutions:

- i) Department of Microbiology, Botany & Zoology, University of Pune.
- ii) National Chemical Laboratories.
- iii) Maharashtra Association for the Cultivation of Sciences"*
- iv) Serum Institute of India.
- v) National Institute of Virology. *
- vi) Hindustan Antibiotics.

* A series of lectures - cum demonstration were organised for the benefit of our students at the Maharashtra Association for the Cultivation of Sciences and the National Institute of Virology.

viii) Papers Presented

- i) S. Nazareth and S. Mavinkurve 'Transformation of Sinapic acid by Fusarium Solani (Mart).Sacc' 27th Annual Conference of Association of Microbiologist of India held at Pune.
- ii) S.Mavinkurve, I.Furtado, S.K.Paknikar, U. Naik and U.M.X. Sangodkar, 'Transient Metabolites of santonin formed by Pseudomonas cichori S.' 88th Annual meeting of American Society for Microbiology held at Miami, U.S.A. 8-13th May (1988).

ix) Publications

The following research articles authorised by the staff members have been published:

- i) "Isolation of Potential Ligninolytic organisms". S. Nazareth and S. Mavinkurve-International Biodeterioration (U.K.) 23 271-180 (1987).
- ii) "Laboratory studies on Retting of coconut husk S. Nazareth and S. Mavinkurve-International Biodereriotion (U.K.) 23 343-355 (1987)

- iii) Santonin 1,2 - Reductase and its role in the formation of Dihydrosantonin and Lumisantonin by Pseudomonas cichorii S. U.Naik and S Mavinkurve-Can. J.Microbial (Canada) 33
- iv) Mechanism of uptake of @ - Santonin by Pseudomonas cichorii S. - I.Furtado and S. Mavinkurve-Biotech. Bioeng (U.S.A.) 10, 991-994 (1987).
- v) Microbiological transformation of santonin to 11 - Demethyleudesm - 4-ene-3, 6 dione.
I. Furtado and S. Mavinkurve-Letters in Applied Microbiology (U.K.) 6, 27-30 (1988).

2.5 Department of Geology

i) Teaching Staff

The following teachers manned the Department during the year:

1. Dr. A.G.Desai, M.Sc., Ph.D. Lecturer in Geology.
2. Dr. T.A. Vishwanath, M.Sc., D.I.I.T., Ph.D., Lecturer in Geology.

ii) Contributory Teachers

1. Shri F.B.Antao, M.Sc., Lecturer and Head of the Department of Geology in Dhempe College of Arts & Science.
2. Prof. A.M.Nadkarni, M.Sc., Lecturer in Dhempe College of Arts & Science.
3. Shri R.P. Gurav, M.Sc., Lecturer in Dhempe College of Arts & Science.
4. Shri A.G. Agshikar, M.Sc., Lecturer in Dhempe College of Arts & Science.
5. Shri A.A. Fernandes, M.Sc., Lecturer in Dhempe College of Arts & Science.
6. Prof. S.M. Borges, Lecturer and Head of the Department of Geology in Chowgule College.

iii) Visitors

- Dr. John A. Mathews, M.Sc., Ph.D., Lecturer in

Geography from the Department of Geology, University College, Cardiff, visited the Department in March 1998. His visit was aimed at collaborative research with the Goa University. He discussed among other topics, "Recent Advances in Research on Geomorphology of the Glaciated Terrains from India".

iv) Participation in Seminar, Conference, Workshop etc.

<u>Name of the Participant</u>	<u>Seminar, Conference, Workshop</u>
Dr. A.G. Desai	Participated in the International Symposium on Metallogeny of the Tethyan Ophiolites organised by the Patna University. He contributed a research paper on "S E M" morphology and geochemistry of podiform chromites from ultramafites of Indus Ophiolite Belt, Ladakh, Himalaya.

v) Publications of staff members.

Dr. A.G. Desai	i) Petrology of the mafic and Ultramafic Rocks of the Indus Ophiolite Belt, Ladakh, Himalaya, India in Ophiolites and Indian Plate Margins. N.E. Ghose and S. Varadarajan (Eds.) - pp. 63 - 73, 1986 (published in 1987) with K.B. Powar, N.R. Karmalkar and R.G. Parde.
	ii) Mineralogy and geochemistry of calcretes in alluvial sediments from Pune, India. Published in the Journal of the Geological Society of India, Vol. 29, pp. 584-593, in 1987 with Sudha Warriar.
	iii) Geochemistry and Petrology of Xenolith bearing lamprophyres from Murud - Janjira, Raigargh Dist. Maharashtra, published in Journal of the Geological Society of India, Vol. 30, pp. 61-71, 1987.
Dr. T.A. Vishwanath	i) Thermometry of Deogenites, published in Memoir of National Institute of Polar Research, Special Issue No.-46, pp. 205-215, 1987 with A Mukherjee.
	ii) Geochemical studies of sediments of Coondapur, West Coast of India,

communicated to Journal of the Geological Society of India, with R. Shankar.

3.1 Department of Marine Science

i) General

It is proposed to start a new Post-Graduate Course (M.Sc.) in Marine Biotechnology in this Department from the next academic year. Sanction of a grant of Rs. 94.00 lakhs is under the active consideration of the Department of Bio-Technology, Ministry of Science and Technology, Govt. of India. The activities of the Marine Science Dept. during the year are as follows:

ii) Teaching Staff

- | | |
|---|--|
| 1. Dr. T.S.S.Rao
M.Sc., D.Sc. | Co-ordinator and Head of
the Department |
| 2. Dr. C.L. Rodrigues
M.Sc., Ph.D. | Lecturer |
| 3. Dr. G.N. Nayak
M.Sc. (AG.), Ph.D. | Lecturer |

iii) Contributory Teachers

Various Scientists from the Physical, Chemical, Biological, Geological and Instrumentation Division of the National Institute of Oceanography visited the Department.

iv) Participation in Seminars, Conferences, Workshops etc.

- | | |
|---------------------|--|
| 1. Dr.T.S.S.Rao | a) Attended the International Union of Geology and Geophysic at Vancouver, Canada and presented a paper on "Problems and Prospects in Ocean Development for developing countries". |
| | b) Organised a Workshop on "Human Resources Development for Ocean Sciences and Technology" on behalf of the Dept. of Ocean Development, Govt.of India at the Goa University. |
| 2. Dr.C.L.Rodrigues | Participated and helped in organising a National Workshop on "Human Resources for Ocean Development Activities - present |
| & | |

Dr. G.N.Nayak

need future requirements, relevant educational and research programmes" held by the Department.

3. Dr. G.N.Nayak

i) Submitted a paper entitled "Distribution of heavy mineral in the beach sediments around Kali River mouth, Karwar, West Coast of India" at the "Arabian Sea" Seminar organised by the G.S.I. Marine Wing, Mangalore.

ii) Presented a paper entitled "Variation in Texture and Morphology of a sheltered Killebag beach near Karwar, West Coast of India" at the National Seminar of "Recent Quaternary Studies in India" under UGC, organised as a special programme, by the Geology Dept. M.S. University, Baroda.

iii) Submitted a paper entitled "Study of Mn-ores from Bisgod area, North Kanara, Dist. Karnataka" at the National Seminar on "Development of ore petrology" organised by the Geology Dept. Andhra University, Visakhapatnam.

iv) Participated in the Research cruise of NIO, on board the RV Gaveshani No. 191. Sediment samples were collected from sea bed for research and for Marine Science Departmental Museum.

v) Attended the Workshop on "Cruise Planning for the year 1988-89" organised by NIO.

vi) Participated in a training cruise on board the R.V. Gavashan No. 177 for 15 days organised by NIO.

v) Publication

1. Dr. T.S.S.Rao

Prepared a Chapter on NIO and its genesis" for the Book on "Oceanography in the World" for the Dalhousie University, Dept. of Political Science.

2. Dr. C.L. Rodrigues

- i) "Ecological studies on the Benthic Ecosystem in Yatsushiroka, West Kyushu, Japan. I. Physico-Chemical measurement of bottom sediment". Amakusa Mar. Biol. Lab (Japan), 1987, 9(1), 1-45.
- ii) "Mechanics of prey-size preference in the gastropod Neritica didyma preying on the bivalve Ruditapes Philippinarum". Mar. Ecol. Prog. Ser (1987) 40, 87-93.

3. Dr. G.N. Nayak

- i) "Textural variations in sediments of Shankrubag beach (Karwar), West Coast of India". Ind. Tar. Mar. Sci. Vol. 16 (2) 1987, 86-89.
- ii) Studies on "Sediment size distribution of North Karnataka Beaches, West Coast of India, using Empirical Orthogonal Function Analysis". Ind. Jur -Mar. Sci. Vol 17 (1) 1988, 63-66.

vi) Research Students

<u>Name of Research Guide</u>	<u>No. of Students Full time</u>
Dr. T.S.S.Rao	Three (3)

vii) Research Project

1. Larval settlement and colonization of shell fishes of Goa and animal sediment interrelationship.
2. Dr. G.N. Nayak has submitted two minor research projects, one to UGC and the other to DST, for funding.

3.2 Department of Computer Science & Technology

i) General

This Department was set up for the first time in the year under report. To begin with, a full time 3-year Post-Graduate Course leading to the degree of Master in Computer Applications (M.C.A.) has been started from 1987-88. The Department has been provided with exclusive computing facilities for

the use of students.

ii) Teaching Staff

1. Shri V.V. Kamat Lecturer
M.Phil in Comp.Sci.
2. Shri S.A.M.Risvi Lecturer
M.Sc. in Maths
Post M.Sc. Dip. in
Comp.Sci.
3. Shri S.D.Kamat Lecturer
M.Tech. in Comp.Sci.

iii) Contributory Teachers

1. Shri V.S.Amonkar, Lecturer in Mathematics, Chowgule College of Arts & Science, delivered 40 lectures on "Linear Algebra".
2. Shri S.V.Kamat, Lecturer in Mathematics, Dhempe College of Arts & Science, delivered 6 lectures on "Discrete Mathematical structure".
3. Shri M.C. Mathai, Lecturer in Commerce, Carmel College of Arts, Science & Commerce, delivered 40 lectures on "Accounting and Financial Management",

iv) Visiting Teachers

1. Dr. S.S.S.P. Rao, Prof. & Head of Comp. Science & Engg. Dept. I.I.T., Bombay delivered 6 lectures on "Logical Organisation I/O Architecture".
2. Dr. S.A. Patwardhan, Prof. & Head of Mathematics Deptt, I.I.T. Bombay delivered 12 lectures on "Discrete Mathematics".
3. Dr. D.B.Phatak, Asso. Professor, Comp. Science & Engg. Dept., I.I.T. Bombay delivered 12 lectures on "Business Data Processing".

v) Research Project under the scheme of Financial Assistance to teachers working in the Universities/Colleges for undertaking minor Research Project in Science subjects.

- a) Name of the Awardee : Shri V.V. Kamat
- b) Amount of Grant : Rs. 10,000/-
- c) Title of Research : Natural Object Modelling

Project

Project.

vi) Other details

During the year, S/S V.V.Kamat and Sanjay Kamat were deputed for undergoing M.C.A. Teachers Training Programme in I.I.T. Bombay. The Programme was of two months duration and was sponsored by the Department of Electronics, Govt. of India.

4.1 Department of Commerce

i) Teaching Staff

Mr. B. Ramesh
M.Com., M.Phil.

Lecturer

ii) Contributory Teachers

1. Mr. A.P. Kamat, Lecturer and Vice-Principal, Dempo College of Commerce, delivered 18 and 20 lectures resp. in I & II terms.
2. Mr. E.M. Travasso, Lecturer in Economics, Chowgule College, delivered 20 and 25 lectures resp. in I & II terms.
3. Mrs. Ruth De Souza, Lecturer in Psychology, St. Xavier College, delivered 20 and 25 lectures resp. in I & II terms.
4. Shri S.J.Pai, Lecturer in Commerce, Dempo College of Commerce, delivered 18 and 24 lectures resp. in I and II terms.
5. Mrs. Uma Pulpaka, Lecturer in Commerce, Damodar College of Commerce & Economics, delivered 20 and 25 lectures resp. in I & II terms.

iii) Visitors

Dr. Seshiah, Reader in Commerce and Management, S.V. University, Tirupati, visited the Department and delivered a lecture on "Management Practice" to the students of M.Com. Part I.

iv) Participation in Seminars, Conferences, Workshop etc.

Name of the Parti- Seminar, Conference, Workshop etc.

Participant

Mr. B. Ramesh.

i) Participated in a 5-days Workshop to discuss the draft syllabus of plus-two Commerce course of NCERT, organised by them at Farmagudi Engineering College.

ii) Attended a Seminar on "Labour movement in Goa since Liberation" organised by the Xavier Research Centre.

iii) Attended a National Seminar organised by the Indian Accounting Association and Banaras Hindu University, Varanasi.

v) Publication

Article on "Modalities of Evaluation of Public Sector Banks" - Mr. B. Ramesh

Manipur University Annual Research Journal, 1987.

vi) Research Project Granted by UGC

Name of the Awardee : Mr. B. Ramesh

Title of the Project : Manpower Planning and Development in Commercial Banks.

4.2 Department of Management Studies(Business Admin.)

During the year under report the activities of the Management Studies were carried out alongwith those of the Department of Commerce. The University decided to set up a separate Department of Management Studies (Business Administration). Accordingly, action was taken to fill up the faculty position.

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CHAPTER III

AFFILIATED COLLEGES AND INSTITUTIONS RECOGNISED BY THE UNIVERSITY

As stated earlier, the Goa University became fully operative w.e.f. June 19th, 1986 when the Goa University Act 1984 became operative in this State in its entirety.

As on March 31st, 1988 there were 22 affiliated colleges and 5 institutions recognised by the University. A list of these colleges and institutions as on 31-3-88 is appended.

A brief report on the activities of various institutions is given below :

A - COLLEGES OTHER THAN PROFESSIONAL

A-1. DHEMPO CHARITIES TRUST DHEMPE COLLEGE OF ARTS & SCIENCE MIRAMAR, PANAJI-GOIA.

The college was established in June 1962 and was permanently affiliated to the Goa University from 19.6.86 in approved subjects leading to B.A. & B.Sc. degrees. There is also a Higher Secondary Section attached to the College.

The college is run by the Dempo Charities Trust in a vast three storied building, having 15 Lecture rooms, besides ample space to enable the college conduct its curricular and extra-curricular activities.

Hostel facilities are also provided by the College, separately for boys and girls. During the year under report, the number of male hostelites was 64 and female 59. Other details are as follows

Details of Teaching staff

1. Principal Shri G.V. Nadkarni, who is also a lecturer in Mathematics.

II. Departmentwise Teaching Strength

<u>Department</u>	<u>Designation</u>	<u>Number of Teachers</u>
(A) - <u>Science Stream</u>		
i) Mathematics	Lecturers	4
ii) Chemistry	Lecturers	10
	Demonstrators	2
iii) Physics	Lecturers	7
iv) Botany	Lecturers	7
v) Zoology	Lecturers	7
vi) Geology	Lecturers	5
(B) - <u>Arts Stream</u>		
i) English	Lecturers	7
ii) Economics	Lecturers	2
iii) Political Science	Lecturers	1
iv) History	Lecturers	2
v) Philosophy	Lecturers	4
vi) Marathi	Lecturers	3
vii) Hindi	Lecturers	2
viii) French	Lecturer	1
ix) Physical Education	Director	1
III - <u>Non-Teaching Staff</u>		
i) Librarian		1
ii) Superintendent		1
iii) Senior Stenographer		1
iv) Accountant		1
v) Senior Clerk		2
vi) Laboratory Asst.		4
vii) Junior Clerk		6
viii) Library Asst.		1
ix) Class iv staff		35

IV - Enrolment and Results.

<u>Course</u>	<u>Total enrolment</u>			<u>Percentage results of Final Year.</u>	
	<u>Boys</u>	<u>Girls</u>	<u>Totals</u>	<u>March/April '87</u>	<u>Oct/Nov '87</u>
F.Y. Arts	56	106	162		
S.Y. Arts	51	114	165		
T.Y. Arts	42	98	140	78.00	73.33
F.Y. Science	90	79	169		
S.Y. Science	92	95	187		
T.Y. Science	73	68	141	85.09	70.59

V Extra Curricular Activities

- a) Sports:
- i) The Men's Volleyball team won the Goa University Inter-collegiate volleyball title.
 - ii) Won the Don Bosco Oratory Championship in Basketball.
 - iii) Secured second place in Basketball in the Goa University Inter-collegiate Tournament.
 - iv) The college was declared champion at the Goa University Weight and Power Lifting events.

b) N.C.C.

<u>Unit</u>	<u>Total Strength</u>	
	<u>Boys</u>	<u>Girls</u>
Navy	55	20
Army	80	35

c) N.S.S. :

- i) Volunteers offered Shramadhan to clean the area from Miramar to Tonca. This area was deweeded and cleaned for one week.
- ii) As part of National Drought Relief Drive, collected substantial quantity of provisions for distribution to the affected areas.
- iii) The annual NSS camp was held at Bimbal in Satari. The campers offered Shramadhan to construct an approach road and conducted immunisation survey in nearby localities.
- iv) The volunteers donated blood to the blood Bank authorities of the Goa Medical College.

Library : (Position as on April, 1985)

i)	Total number of books	17,949
ii)	Reference books	563
iii)	Academic Journals	24
iv)	Periodicals	14

A-2 SMT. PARVATIBAI CHOWGULE CULTURAL FOUNDATION'S
COLLEGE OF ARTS & SCIENCE, MARGAO, GOA.

Established in June 1962 the College caters to instruction in approved subjects leading to B.A. and B.Sc. In addition, Higher Secondary classes are also run by the college.

The college is managed by the Chowgule Education Society and functions in its own building consisting of five blocks, where 10 class rooms, 3 lecture halls, college office, various laboratories, etc are located. The college playground has facilities for all major games like cricket, volley-ball basket-ball, tennikoit, atheletics etc.

Hostel facilities are provided only for boys.

Details of Teaching staff

Principal : Shri V.R. Shirgurkar, who is also a lecturer in Economics.

Departmentwise Teaching strength

<u>Department</u>	<u>Designation</u>	<u>Number of teachers</u>
<u>A- Science Stream</u>		
i) Physics	Lecturers	6
	Demonstrators	2
ii) Chemistry	Lecturers	12
iii) Botany	Lecturers	5
iv) Zoology	Lecturers	5
v) Mathematics	Lecturers	4
vi) Geology	Lecturers	3

B- Arts Stream

i)	English	Lecturers	5
ii)	Economics	Lecturers	4
iii)	Geography	Lecturers	2
iv)	Political Sc.	Lecturer	1
v)	History	Lecturers	2
vi)	Logic	Lecturers	2
vii)	Philosophy	Lecturers	3
viii)	French	Lecturer	1
ix)	Sanskrit & Sociology	Lecturers	2
x)	Marathi	Lecturer	2
xi)	Hindi	Lecturers	2.

Non-Teaching Staff

i)	Superintendent	1
ii)	Head Clerk	1
iii)	Junior Stenographer	1
iv)	Senior Clerks	2
v)	Asst. Clerks	1
vi)	Junior Clerks	2
vii)	Laboratory Assts.	5
viii)	Clerk-Typists	2
ix)	Librarian	1
x)	Laboratory Attendants	15
xi)	Class iv staff	22

Enrolment and Results.

Course	<u>Total Enrolment</u>			<u>Percentage Results of Final Year</u>		
	<u>Boys</u>	<u>Girls</u>	<u>Total</u>	<u>March'87</u>	<u>Oct'87</u>	<u>March'88</u>
F.Y. Arts	77	116	193			
S.Y. Arts	56	89	145			
T.Y. Arts	44	96	140	58.04	46.15	74.51
F.Y.Science	71	76	147			
S.Y.Science	84	68	152			
T.Y.Science	59	81	140	79.81	46.15	69.48

Kum. Sandhya Pandurang Metha, who stood first in the University of Bombay at T.Y.B.Sc. examination by securing 651/800 marks in Chemistry (6 units major level), was awarded the following scholarship and prizes.

1. The Pragji Thackersey Moolji Science scholarship of Rs. 400/-
2. The late Dr. G.M. Pandit Memorial Scholarship of Rs. 450/-

3. The Sheth Mangaldas Jeshingbhai Chemistry Prize of Rs. 60/-

4. The Doctor Sadgurunath S. Warandekar Prize of Rs. 470/-

Extra-Curricular Activities

a) Sports:

- i) The Girls team won the title in volley-ball in Inter-collegiate competition.
- ii) One girl student won the Gold Medal in Athletics organised by the Goa University.
- iii) Many sportsmen represented Goa and participated in various games.

b) N.C.C. :

- i) N.C.C. troop bagged First Prize in "Parade competition" in the Annual Training camp of Goa and 8 Karnataka Naval Units of N.C.C.
- ii) Some cadets attended the various NCC activities, at several places.
- iii) Twenty eight blood donors from the college donated blood.
- iv) Activities like tree-plantation cycle expedition & Trekking were carried out by three wings of N.C.C.

c) NSS:

- i) A camp was held at Agonda in which the students helped the poor to construct houses under the 20- point programme.
- ii) NSS students also held programmes like functional literacy, health service plantation etc.

d) Library:

i) Total No. of Text books ...	31,600
ii) Number of reference books ...	1,425
iii) Number of periodicals ...	40
iv) Number of academic journals ...	30.

A-3. ST. XAVIER'S COLLEGE
MAPUSA, GOA.

This is a Diocesan college, which was established in June, 1963 by the Archdiocese of Goa. It caters to instruction in the approved subjects leading to B.A. and B.Sc. In addition there is a Higher Secondary Section attached to the college.

Till May, 1968 the college was housed in the High School building located at Bastora, after which it was shifted to its own premises in the new spacious campus at Mapusa. These premises consists of three blocks, one each for Science, Arts and Administrative cum teaching activities. There are 18 class rooms, besides other spacious rooms wherein various curricular and extra-curricular activities are being conducted.

The college has its own playground occupying an area of 12,000 sq.mts. Facilities for various types of games are being provided by the College. There is also a hostel for boys near the college and a hostel for girls, which is located at Corlim, Mapusa. At present, 23 students are provided with hostel accommodation.

Details of Teaching Staff

Principal : Rev. Fr. Nicolau G. Pereira who is also lecturer in chemistry

<u>Department</u>	<u>Designation</u>	<u>No of Teachers</u>
	<u>A- Science Stream</u>	
i) Chemistry	Lecturers	7
ii) Physics	Lecturers	5
iii) Life Science	Lecturers	2
iv) Microbiology	Lecturers	3
v) Mathematics	Lecturers	4
	<u>B- Arts Stream</u>	
i) Economics	Lecturers	2
ii) Commerce	Lecturer	1
iii) History	Lecturer	1
iv) Philosophy	Lecturers	3

v) Psychology	Lecturers	2
vi) English	Lecturers	2
vii) Hindi	Lecturers	2
viii) Marathi	Lecturer	1
ix) French	Lecturer	1 (Part Time)
i) N.S.S.	Incharge	1
ii) Sports	Director	1
iii) Physical Education	Director	1

Non-Teaching Staff

i) Superintendent	1
ii) Head Clerk	1
iii) Clerks	4
iv) Librarian	1
v) Store Keeper	1
vi) Class IV Staff	12

Enrolment and Results

<u>Course</u>	<u>Total Enrolments</u>			<u>Percentage results of Final Year March/April '88.</u>
	<u>Boys</u>	<u>Girls</u>	<u>Total</u>	
F.Y. Arts	42	116	158	
S.Y. Arts	80	128	208	
T.Y. Arts	55	117	172	88.82
F.Y. Science	37	34	71	
S.Y. Science	35	42	77	
T.Y. Science	62	53	115	82.67

Faculty Improvement Programme

A 3 day programme was held at the St. Xavier's College, where in 50 teachers participated, with a view to improving upon the realisation of the goals of the Institution in the field of education.

Library:

i) Books	25,000
ii) Academic journals	45

Extra Curricular Activities

During the year, the college took part in all activities like NCC, Sports, Debates, NSS, education and extension work, cultural activities etc. The performance of the students has always been good. They have been winners of championships and prizes in various competitions.

A-4. NIRMALA INSTITUTE OF EDUCATION
ALTINHO, PANAJI GOA.

The Nirmala Institute was established in June 1963. The college is affiliated to Goa University and imparts instruction in courses leading to B.Ed. and M.Ed.

The Institute is run by the Nirmala Education Society and is housed in the building owned by the society of the Daughters of the Heart of Mary. There are 4 lecture rooms and 5 tutorial rooms, in addition to sufficient space to carry out its administrative and other curricular activities.

Since most of the students are over 25 years of age no outdoor games are conducted by the Institute. However, provision is made for indoor games. Hostel facilities are provided only for girl students within the campus itself.

Details of Teaching Staff.

Principal : Miss Jennifer Fonseca, who is also a lecturer in the college.

Total Teaching Strength : 11

a) Designation wise.

Principal	:	1
Professor	:	1
Lecturers	:	9

b) Statuswise

Permanent	:	10
Temporary	:	1

Details of non-Teaching staff

i) Librarian	1
ii) Head Clerk	1
iii) Accountant	1
iv) Senior Clerk	1
v) Junior Clerk	1
vi) Class IV staff	5

Enrolment and Results

<u>Course</u>	<u>Total Enrolment</u>		<u>Percentage results of final year</u>		
	<u>Boys</u>	<u>Girls</u>	<u>Total</u>	<u>April '87</u> <u>April '88</u>	
B.Ed.	26	76	102	93.00	99.00
M.Ed. 1st year	4	7	11		
2nd year	3	1	4	100.00	100.00

Library

i) Books	9,174
ii) Periodicals	42

A-5. DEMPO CHARITIES TRUST'S
SRINIVASSA SINAI DEMPO COLLEGE OF COMMERCE &
ECONOMICS, ALTINHO,
PANAJI-GOA.

This college was established in June, 1966 and is run by the Dempo charities Trust catering instructions in the approved subjects leading to B.Com. degree. The institution is located at Altinho, Panaji, and functions in a rented building belonging to Govt. of Goa. There is also a Higher Secondary Section attached to the college.

Besides 8 class rooms, the college provides few other amenities like the Principal's room, college office, library, reading room etc. In the extra-curricular field, the college provides facilities for indoor games like table-tennis, badminton, carrom, chess and outdoor games like volleyball, football, basketball, cricket, hockey and athletics for which Panaji Gymkhana ground and the Govt. Ground at Campal are being made use of.

Details of Teaching Staff

Principal : Shri D.S. Bhende, who is also a lecturer in English.

Departmentwise Teaching Strength

<u>Department</u>	<u>Designation</u>	<u>Number of Teachers</u>
i) English	Lecturers	2
ii) Economics	Lecturers	3
iii) Geography	Lecturer	1
iv) Commerce	Lecturers	2
v) Maths Statistics	Lecturer	1

vi)	F.C.& Ind Psychology	Lecturer	1
vii)	Accountancy	Lecturers	4
viii)	Business Law	Lecturer	1
ix)	Physical Education	Director	1

Details of non-teaching staff

i)	Librarian	1
ii)	Superintendent	1
iii)	Head Clerk	1
iv)	Senior Clerk	1
v)	Junior Clerks	3
vi)	Steno-typist	1
vii)	Class IV staff	7

Enrolment and Results

<u>Cours</u>	<u>Total enrolment</u>			<u>Percentage results of Final year</u>	
	Boys	Girls	Total	March'87	Oct'87.
F.Y.B.Com	177	142	319		
S.Y.B.Com	106	119	225		
T.Y.B.Com	119	95	214	50.18	53.66

Debating and Literary Activities

1. A second year student won the consolation prize at the Late B.B. Borkar Memorial Poetry competition and at the Inter-collegiate competition held by the Gomant Kala Association Margao.
2. In the Traditional Poet's meet held, several well known poets from Goa and the college students participated.
3. Five colleges participated in the Y.V. Lawande & V.S. Bharne Memorial Elocution competition. The individual prize for the best speaker was won by the student from the Engineering College, Farmagudi and V.N.S. Bandekar College of Commerce, Mapusa was adjudged the best team.

Extra-curricular Activities

a) Sports:

- i) The college bagged the University Championship for basketball (Women).
- ii) Players from the college were selected to represent Inter-University tournaments in Athletics.

- iii) Two students from the college were selected for Goa Cricket Team for Ranji Trophy.

b) N.C.C.

Total enrolment 30 cadets.

- i) The Annual training camp was held at 3 MTR, Navelim and many cadets attended the camp.
- ii) One cadet attended the centrally organised camp for 25 days.
- iii) The Under Officer won the Bronze Medal in Bayonet fighting at Delhi Parade.
- iv) During the year, the cadets were given extensive training in foot-drill, weapon training, Judging distance, map reading, first aid, self-defence, field craft, etc.
- v) Range classification (firing) was conducted at 3 MTR Navelim Range.
- vi) In the 'B' & 'C' certificates examination held at Campal, many cadets showed interest and answered the examination. The "Best Cadet" award was bagged by C.U.O. Amar Sancordekar for 1987-88.

c) N.S.S.:

- i) One student from the college represented Goa State for the first time in the Republic Day Parade.
- ii) Poor and needy students were taught by the volunteers.
- iii) NSS volunteers organised the camp and donated blood.
- iv) Roads were repaired and constructed in different parts of the State.
- v) Different parts of the city and villages were cleaned.
- vi) Volunteers participated in traffic safety week organised by the Police Dept.
- vii) National Integration week was organised, in which many volunteers participated in various projects. Two volunteers were adjudged as best NSS volunteers.

d) Library (Position as on 24.4.88)

Text Books	4,751
Reference Books	10,656
Periodicals	12
Academic Journals	38

A - 6 CARMEL COLLEGE OF ARTS & SCIENCE FOR WOMEN
NOVEM. GOA.

The College was established in the year 1987 to cater to instruction in the approved subjects leading to B.A., B.Sc. and Commerce degrees.

Run by the Apostolic Carmel Education Society, the institution is exclusively meant for women. It has its own building, having 6 lecture and 6 tutorial rooms, besides other space to carry out its administrative, curricular and extra-curricular activities. There is also a playground with facilities for sports like athletics, basketball, volleyball, tennis, table-tennis etc. No hostel facilities are provided by the institution.

Details of Teaching staff

Principal : Sr. M. Jacinthe, A.C. who is also a lecturer in the arts faculty.

Total Teaching Strength : 32

a) Designationwise

i) In Science Stream

Sr. Lecturers	2
Lecturers	15

ii) In Arts Stream

Principal	1
Vice Principal	1
Sr. Lecturers	2
Lecturers	8

iii) In Commerce Stream

Lecturers	3
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b) Statuswise

<u>Status</u>	<u>Full time</u>	<u>Part time</u>
Permanent	20	-
Probationary	7	-
Temporary	2	3

Details of non-teaching staff

i) Head Clerk	1
ii) Librarian	1
iii) Accountant	1
iv) Lab. Attendant	3
v) Lower Div. Clerk	1
vi) Class IV staff	4

Enrolment and Results

<u>Course</u>	<u>Total Girls enrolled</u>	<u>Percentage results of final Year</u>		
		<u>March'87</u>	<u>Oct'87</u>	<u>March'88</u>
F.Y. Arts	109			
S.Y. Arts	87			
T.Y. Arts	72	93.02	25.00	91.94
F.Y. Science	43			
S.Y. Science	28			
T.Y. Science	34	87.50	54.55	92.59
F.Y. Commerce	57			
S.Y. Commerce	53			

Extra-Curricular Activities

a) Sports:

Various facilities were provided for students to better in the field of sports. The students participated in games like basketball, volleyball, badminton, table-tennis, tennikoit, hockey, football, athletics etc. Some of the students have competed at the University and State levels also.

b) Debates:

Debates were held at collegiate and Inter collegiate level. Students of the college did well and were awarded various prizes.

c) Cultural Activities:

These activities were held in the college on various functions. Students are encouraged to participate in these activities as they help to bring out the acting potential in them.

d) N.C.C.

Regular parades were held twice a week. Students actively and keenly participated in various activities and campus held. Prizes were awarded to the cadets in the events conducted by the N.C.C. Unit. They were also selected to represent the State at the Republic Day Parade.

e) N.S.S. :

Total enrolment- 50 students. During the year, the Unit carried out different types of work to help the backward areas located close to the college campus. Tutions to non school going children from the backward classes were also given by the NSS volunteers. Visits to the aged. home, hospitals and children homes were regularly conducted.

In the special camp conducted during the year, the students went to Loliem.

A home for one student was provided by the students under the programme " Shelter for the Homeless: .

Library: (Position as on 20.4.88)

Books	13,906
Periodicals	50
Journals	7

A - 7 MURGAON EDUCATION SOCIETY'S
COLLEGE OF ARTS & COMMERCE
ZUARINAGAR-GOA.

The college established in June, 1972 is run by the Murgaoon Education Society and caters to instruction in the approved subjects leading to B.A. and B.Com degrees. It has also a Higher Secondary section attached to the college.

The society runs the Institution in its own two-storeyed building, which has eleven lecture rooms and other requirements needed for its administrative, curricular and extra-curricular activities.

There is also a playground located in the college campus where facilities are provided for indoor and outdoor games. The college has however, no hostel facilities.

The Institution organises periodically seminars, workshops etc. with a view to improving the professional competence of its teaching staff.

Details of Teaching staff

Principal : Shri Madhav S. Kamat, who is a Lecturer in Economics.

Departmentwise Teaching Strength

<u>Department</u>	<u>Designation</u>	<u>No. of Teachers</u>
i) Economics	Lecturers	6
ii) English	Lecturer	1
iii) Hindi/Marathi	Lecturer	1
iv) Maths Statistics	Lecturer	1
v) Psychology/ Phyl	Lecturer	1
vi) Political Sc.	Lecturer	1
vii) Geography	Lecturer	1
viii) Accounts	Lecturers	3
ix) Business Managet.	Lecturers	2
x) Sociology	Lecturer	1
xi) Law	Lecturer	1
xii) Physical Educat.	Director	1

Details of non-teaching staff

i) Superintendent	1
ii) Librarian	1
iii) Dy. Accountant/Head Clerk	1
iv) Steno typist	1
v) Class IV staff	6

Enrolment and Results

<u>Course</u>	<u>Total enrolment</u>			<u>Percentage results of Final Year</u>		
	Boys	Girls	Total	March '87	Oct '87	Mar '88
F.Y. Arts	35	60	95			
S.Y. Arts	32	52	84			
F.Y. Commerce	106	90	196			
S.Y. Commerce	107	102	209			
T.Y. Commerce	64	56	120	68.00	33.00	31.00

Extra-curricular Activities

a) Sports

- i) During the year, many students won Gold Medals at the University Sport meet.
- ii) Shri Joseph Godinho a college student, was nominated by Bombay University on the University Students' council to represent sportsmen of the entire University.
- iii) Two students were selected for the Goa University football team that won all-India Championship.
- iv) One student was selected as a member of all-India Junior Football team that participated in the Asia Football tournament at Bangkok, Thailand.

b) N.S.S.

- i) The NSS unit successfully conducted 3 days State level seminar on "Youth for preparing India for 21 st century"
- ii) Achieved 100 per cent survival of tree plantation in the college campus at Dabolim,
- iii) Won twice prizes for collecting largest funds for Goa Cancer Society.

c) N.C.C.

- i) Participated in the Republic Day Parade at Delhi.
- ii) Selected for admissions to N.D.A., Khadakvasla.
- iii) Participated in the world sailing tour.

Other achievements

The college runs an extension education programme for imparting training in socially productive skill to various sections of the community. Extension lecture series were organised for the benefit of public on the theme "Gurudev Tagore" by Shri Anil Samarth.

Library: (Position as on 20.4.88)

Text books	7,368
Reference books	326
Periodicals	50
Academic journals	25

A - 8 VIDYA VIKAS MANDAL'S
SHREE DAMODAR COLLEGE OF COMMERCE & ECONOMICS
MARGAO-GOA.

The College, established in June, 1973, is run by the Vidya Vikas Mandal to cater to instruction in approved subjects leading to B.Com Degree.

It functions in a two-storeyed building, having 13 class rooms, the college and Principal Offices, one teacher common room and a Library reading room.

Although the college provides facilities for sports like Football, volleyball, table tennis etc., in the absence of its own playground, arrangements are made with the local schools/associations to use their playground for outdoor games. No hostel facilities are provided by the colleges.

Details of Teaching staff

Principal: Shri D.V. Borkar. He is also the Head of Commerce Dept.

<u>Departmentwise Teaching Strength</u>	<u>No. of Teachers</u>
i) Commerce	Principal 1
	Lecturers 2
ii) Management	Lecturer 1
iii) Economics	Lecturers 5
iv) Mathematics & Statist.	Lecturers 2
v) Accounts	Lecturers 6
vi) Geography	Lecturer 1
vii) Business Law	Lecturer 1
viii) English	Lecturers 2

Details of non-teaching staff

i) Office Superintendent	1
ii) Librarian	1
iii) Accountant	1
iv) Jr. Steno	1
v) Library Asst.	1
vi) Clerk	3
vii) ClassIV staff	7

Enrolment and Results

<u>Course</u>	<u>Total enrolment</u>			<u>Percentage results of Final year</u>	
	Boys	Girls	Total	Nov '87	April '88
I Year P.Com	275	214	489		
II Year "	262	228	490		
III Year "	226	218	444	63.19	47.62

Extra-curricular Activities

a) N.C.C. Total Strength - 50 cadets.

During the year, the cadets participated in

- i) Open sea sailing expedition held between Udipi-Mangalore, in which the leading cadet and the Divisional Officer participated.
- ii) Cadet Rajesh R. Bharne attended the all-India Trekking expedition held at Rishikesh.
- iii) Cadet Sachin Pai Angle attended the All-India Ship Attachment camp on INS Vikrant, held at Bombay.
- iv) Cadet Rajesh Bharne & PO Shailesh R. Bharne attended the Nav Sainik camp at Vishakhapatnam. Cadet Rajesh Bharne was also selected for the Republic Parade held at New Delhi and was a member of the Boat pulling team of Goa, Karnataka Directorate NCC, for which he won the First Prize as also the NCC banner for overall best performance at the Parade.
- v) Co. Cadet Santosh P. Kanekar was awarded the Best Cadet Prize at the Annual Training Camp held in Goa.

b) Sports:

- i) As many as 27 sportsmen and sportswomen represented Goa University in various games at the Inter-University tournaments held at different places all over India.
- ii) Shri Sachin Pai Angle won a Bronze Medal at the Inter-University Judo tournament held at Indore.

c) Cultural Activities:

- i) The college team won the First Place for Western Group songs at the West Zone Inter-University Youth Festival held at Bombay.
- ii) The team also won the Best Item prize at the Inter University National Youth Festival held at Akola.
- iii) The college organised an exhibition on "Habitat".
- iv) They also won several prizes at the Konkani One Act Play competition held by the Kala Academy, Panaji.
- v) The usual Inter-collegiate competitions like the Quiz competition for Shri U.N. Bene Trophy and the college Magazine competition for Shri V.N. Kamat Trophy were also held during the year. In addition the late Smt. Sarpute Memorial Poets Meet was conducted.

d) N.S.S:

- i) A funds project for Matrachaya Orphanage was launched alongwith the city cleaning programme with the help of Margao Municipal Council.
- ii) The volunteers were involved in the immunisation survey work for the Health Centres.
- iii) Blood donation and coaching weaker students were also undertaken.
- iv) The 10-day YFRR camp at Malkarne during Christmas vacation was participated by 30 volunteers, who completed road construction work and repaired an old temple.

A - 9 DNYANPRASARAK MADAL'S
V.N.S. BANDEKAR COLLEGE OF COMMERCE
ASSAGAO- GOA.

The college was established in June 1974 to cater to instruction in the approved subjects leading to B.Com degree. The institution also has a Higher Secondary Section attached to it.

The college is run by the Dnyanprasarak Mandal in its own two-storeyed building with 12 class rooms and two tutorial rooms. Sufficient space is also provided for its other curricular, extra-curricular and administrative activities.

The college playground which is located in the campus is still undeveloped. Public playgrounds are being made use of to conduct all outdoor games. There are no hostel facilities provided by the college.

Details of Teaching Staff

Principal: Shri Gopal Govind Mayekar who is also the Lecturer of Marathi.

Departmentwise Teaching Strength

<u>Department</u>	<u>Designation</u>	<u>No. of Teachers</u>
i) Marathi	Principal	1
ii) Economics	Vice Principal	1
iii) Statistics	Lecturer	1
iv) Commerce	Lecturers	14
v) English	Lecturers	3
vi) History	Lecturer	1
vii) Geography	Lecturer	1
viii) Mathematics	Lecturer	1
ix) Accountancy	Lecturers	4
x) B. Law	Lecturer	1
xi) Computer System	Lecturer	1
xii) Physical Education	Director	1

Details of non-teaching staff

i) Librarian	1
ii) Off. Superintendent	1
iii) Head Clerk	1
iv) Sr. Clerks	2
v) Jr. Clerks	2
vi) Library Clerk	1
vii) Library attendant	3
viii) Class IV Staff	5

Enrolment and Results.

<u>Class</u>	<u>Total Enrolments</u>			<u>Percentage of results</u>		
	<u>Boys</u>	<u>Girls</u>	<u>Total</u>	<u>Apr'87</u>	<u>Oct'87</u>	<u>Apr'88</u>
1st Year Commerce	337	200	537			
2nd Year Commerce	205	102	307			
3rd Year Commerce	133	97	230	72.72	63.00	40.90

Library (Position as on 31.3.88)

Books	5,853
Academic Journals	29
Non-academic Journ	5
Magazines	12
News papers	11

Extra-curricular Activities

a) Sports:

- i) Declared champions in the Inter-collegiate Football Tournament.
- ii) Three students were selected for Goa University Football team which participated in the all-India Inter-University Football tournament at M.P.
- iii) Won the Hockey Men's championship of Goa University.
- iv) Six students represented Goa University in all-India Inter-University Hockey tournament at Amravati.
- v) Declared Goa University Champions at the Inter-Collegiate Cricket tournament of Goa University.
- vi) Secured Runners-up position in the Inter Collegiate Kabaddi tournament.
- vii) Three students were selected for Goa University team which played in the all-India Inter University Kabaddi tournament at Shivaji University, Kolhapur.
- viii) Secured the runners-up position in the Girls' Inter-Collegiate Hockey tournament.
- ix) Participated in the Inter-Collegiate Football tournament for Women of Goa University and secured runners-up position.
- x) The boys team won Gold and Bronze medals in the 4 x 100 mts and 4 x 100 mts relays resp. The Girls' team won Silver medals in both relays.

b) N.C.C.: Total strength - 80 cadets

- i) 20 cadets attended the Annual Training camp at Dandeli. Under-Officer, Suraji Pednekar was appointed overall senior. He was adjudged as best cadet.
- ii) Some cadets donated blood.

- iii) The Unit donated 400 kgs. of rice and clothes for Brought Relief Fund.
- iv) Six cadets attended the Army Attachment Camp with the regular Army at Maratha Light Infantry Regiment Centre, Belgaum.
- v) Cap. Edward D'Almeida was Parade Commander at the NCC Day Celebration Parade at Campal.
- vi) A cycle expedition to Reis Magos Fort was organised in which 50 cadets participated.

d) N.S.S : Total volunteers - 260

- i) An O.P.D. Project was organised, where the NSS girls visited O.P.D. of Asilo Hospital and extended their help in making case papers, nursing the patients, looking after cleanliness etc.
- ii) A "Home for the Aged" Project was undertaken, where girls visited the asylum and rendered their services to poor, orphan and aged patients.
- iii) A new road of about 2 Kms length was constructed by the regular campus at Revora-Colvale.
- iv) Road repairing at Bastora-Assagao was done.
- v) Collection of funds for "Cancer Society", tree plantation, collection of clothes for distributing to poor, were also undertaken.
- vi) About 125 students participated in the special camp held at Revora-Colvale. Three roads of 5 Kms length and five houses for landless Harijans were constructed. Several competitions were held for the benefit of the villagers.

A - 10 GOA VIDYAPRASARAK MANDAL'S
COLLEGE OF COMMERCE AND ECONOMICS
PONDA-GOA.

The college was established in January, 1986 to cater to instruction in the approved subjects leading to B.Com Degree. However since the institution has completed only two years of its existence, there was no enrolment for the final year. The institution is run by the Goa Vidyaprasarak Mandal in its own building having three class rooms and other space to enable it to carry out its various curricular and extra-curricular activities.

The college provides facilities for various sport activities and has a playground which is located in the college campus. Games, like Badminton, Basketball, volleyball, cricket, Football, etc. are being conducted by the college.

There are no hostel facilities provided by the college.

Details of the Teaching staff

Principal: Shri Ashok G. Jumde, who is also Lecturer of Mathematics.

Departmentwise staff Position

i) Mathematics	Principal	1
	Lecturers	2
ii) Economics	Lecturers	2
iii) English	Lecturers	2
iv) Geography	Lecturer	1
v) Accountancy	Lecturer	1
vi) Commerce	Lecturers	2
vii) Business Law	Lecturer	1
viii) Physical Education	Director	1

Details of non-teaching staff

i) Librarian	1
ii) Head Clerk	1
iii) Sr. Clerk	1
iv) Jr. Clerk/Typist	2
v) Class IV staff	5

Library: (Position as on 20.4.88)

Text Books	661
Reference Books	714
Periodicals	10
Academic Journals	14

Enrolment:

Class	<u>Total enrolment</u>		
	Boys	Girls	Total
I Year B. Com	173	81	254
II Year B. Com	170	90	260

Extracurricular Activities

a) Sports:

- i) The college team won Runners-up trophy in Kho-Kho.
- ii) The Annual Athletic meet was held in December, 1987 where in many students took part in various events.
- iii) Four students from the college represented Goa University in Kho-Kho team in the Inter-University tournament held at Narsari, Gujarat.
- iv) One student bagged a Bronze in Decathlon in Goa - University Athletic meet.
- v) One student represented Goa State in Cricket under 19 team for C.K. Naidu Trophy.

b) N.C.C.

Total enrolment: 100 volunteers for regular activities 60 for special camping activity.

- i) The volunteers planted about 2000 seedlings under Nirmala Vishwa Project.
- ii) Seven volunteers successfully completed the Mass Functional Literacy programme.
- iii) The volunteers collected Rs. 6000/- by selling coupons for the Goa Cancer Society.
- iv) The Annual camp was held at Savoi-Verem. The volunteers constructed a road, levelled the ground and did a socio-economic survey of the people from Kangval at Savoi-Verem. Also debates, discussions and entertainment programmes were held for the people of that village.
- v) National Youth Week was celebrated by organising various competitions, lectures etc.

c) Cultural Activities

- i) Various inter class competition like singing, Poetry elocution etc. were organised.
- ii) A Yuvavani programme in Konkani was presented on the All India Radio.
- iii) An All-Goa Inter-collegiate Elocution Competition for late Shri Tukaram Ramchandra Prabhu Memorial Trophy as also an Inter-Collegiate Konkani Poetry competition were organised during the year.
- iv) An Inter-collegiate Konkani and Hindi Singing Competition was held on behalf of the students council of Goa University.
- v) Many students from the college won several prizes in various competitions organised by the Clubs, colleges etc.

A - 11 PONDA EDUCATION SOCIETY'S
COLLEGE OF ARTS & SCIENCE
PONDA GOA.

Established in June, 1986 this college has completed only two years of its existence. As such, it has been preparing students for the first and second years for B.A./B.Sc. degrees. There is also a Higher Secondary Section attached to the college.

The college is run by the Ponda Education Society in a two storied rented building. There are eight lecture rooms and two tutorial rooms, besides adequate space for other curricular activities of the college. Although the Ponda Municipal ground is being used for outdoor games, the college has its own playground in the campus. No hostel facilities are provided by the college.

Details of Teaching Staff.

Principal : Shri A.S. Deshpande who is also a lecturer in Physics.

Departmentwise Teaching Staff

<u>Department</u>	<u>Designation</u>	<u>No of teachers</u>
<u>A-Science Stream</u>		
i) Physics	Lecturers	3
ii) Chemistry	Lecturers	3
iii) Zoology	Lecturers	2
iv) Botany	Lecturers	2
v) Mathematics	Lecturer	1.

B-Arts Stream

i) English	Lecturer	1
ii) Economics	Lecturer	1
iii) Political Sc.	Lecturer	1
iv) Marathi	Lecturer	1
v) Hindi	Lecturer	1
vi) History	Lecturer	1
vii) Philosophy	Lecturer	1
viii) Psychology	Lecturer	1
Gymkhana	Physical Director	1

(on lecture basis)

Non- Teaching Staff

i) Head Clerk	1
ii) Senior Clerk	1
iii) Junior Clerk	1
iv) Asst. Librarian	1
v) Laboratory Asst.	3
vi) Class IV Staff	7

Enrolment

Course	Total Enrolment		
	Boys	Girls	Total
F.Y. Arts	51	46	97
S.Y. Arts	37	48	85
F.Y. Science	35	21	56
S.Y. Science	41	18	59

Extra-Curricular Activities

a) Sports:

- i) Inter-class competitions were held for search talent in different games
- ii) Many students participated in the inter-collegiate games.

b) Cultural Activities:

- i) A seminar was held on " Problems and Prospects of the newly born Goa State".
- ii) An Elocution Competition was also held.

- iii) Inter-Class patriotic songs singing competition was held on Independence Day
- iv) The students presented an Entertainment Programme on "Modern Ramayana".
- v) The National youth week was celebrated by holding various activities.
- vi) One student was awarded a special prize for scoring highest marks for participating in various cultural activities at the Annual Social Gathering.

c) N.S.S.

i) A camp was organised at Talaulim, Ponda. 90 students participated and cleaned four neglected water tanks. They also constructed a road in the plot allotted by Govt. to the people for construction of houses for homeless. Dr Sheik Ali, the Vice Chancellor and Dr. S.K. Gandhe, the Registrar of Goa University visited and appreciated the camp.

ii) Two students were selected as the best N.S.S. volunteers.

c) Library:

i) Text books	445
ii) Reference books	324
iii) General books	345
iv) Periodicals	7
v) Academic journals	9

A - 12 NAVAL ACADEMY
INS MANDOVI
VEREM GOA.

The Naval Academy, INS Mandovi is located atop Verem Hill, across the Mandovi River, 5 Kms from Panaji. Established in August, 1987 it is affiliated to Goa University for courses leading to 3 years B.Sc.(Special) Degree for the Naval cadets who are inducted into the Navy through the newly introduced (10+2) Executive Scheme.

The Academy has an academic wing where 16 class rooms, laboratories for Physics, Training Design Cell, Examination Cell, Draughtsman room are located.

The first batch of 80 cadets joined the Academy by August '87 end. The cadets stay inside the Naval Academy and are provided free accommodation and messing.

The academic curriculum of the 3 years course lays emphasis on Physics, Mathematics, Meteorology and Oceanography which are taught by the officers of the Education branch. Training aids such as over head projectors, slide projectors and films projectors are also made use of to assist the trainees in quick learning.

A well stocked library with appropriate reference text books, periodicals and journals is available for the use of the cadets.

With a view to broaden the horizon of the cadets, guest lecturers by eminent personalities are organised. Also a Computer Centre with 5PCS is made available for training.

For extra-curricular activities, the Academy provides the trainees sailing boats, wind surfers, motor boats so as to improve their skill in various watermanship activities. Also hobbies clubs like Computer, sailing, Dramatics, Yoga, Karate, Astronomy and Photography are being provided for the cadets.

Departmentwise Teaching Strength

<u>Department</u>	<u>Designation</u>	<u>No. of Teachers</u>
i) Physics	Head of the Dept.	1
	Lecturers	6
	Demonstrator	1
ii) Mathematics	Head of the Dept.	1
	Lecturers	3
iii) Chemistry	Head of the Dept.	1
iv) Meteorology and Oceanography	Head of the Dept.	1
v) English	do	1
vi) Sports	Director	1
	P.T. Instructors	6

Non-Teaching Staff

i) Laboratory Asst.	3
ii) Laboratory Attendant	1
iii) Librarian	1
iv) Maintenance staff	3
v) U.D.C.	1
vi) Gestener Operator	1
vii) Class IV staff	3

Equipment

As this was the initial year of the functioning of the Academic, the first batch joined in August, 1987 with a total enrolment of 82 cadets.

Library

There is a well equipped library for use of the cadets, arranged in different sections for text books, reference books, periodicals etc. The total number of these books as on April, 1988 is as under.

Text Books	4,153
Reference books	3,444
General books	4,045
Journals Periodicals	
(General and Professional)	30

Training Design Cell

The cell monitors the progress of classroom instructions. Teaching scheme, lesson plan, question banks for each subject are made available to assist the trainees in executing their tasks effectively.

Language Laboratory

A 20 booth language laboratory is installed for training of English language. There are also plans to start in due course training in foreign languages.

Course Critique

A course critique is held before the end of every semester to obtain feed back from the trainees regarding conduct of training. Improvement if needed is also considered.

A-13. CUNCOLIM EDUCATION SOCIETY'S COLLEGE OF ARTS & COMMERCE CUNCOLIM-GOA.

The College started functioning only since June 1987. Run by the Cuncolim Education Society, the College is temporarily affiliated to Goa University to cater to instruction in the approved subjects leading to B.A. and B. Com. degrees. For extra-curricular activities the college provides facilities for various outdoor games, which are held on its own playground.

Details of Teaching Staff Departmentwise

<u>Department</u>	<u>Designation</u>	<u>Number</u>
i) Commerce	Acting Principal	1
	Lecturers	2 (Lecture Basis)
ii) Mathematics	Lecturers	2 - do -
iii) Co-operative Management	Lecturer	1 - do -
iv) Foundation Course	Lecturers	2 - do -
v) Arts	Lecturers	3
vi) Political Sc.	Lecturer	1 (Lecture basis)
vii) Marathi	Lecturer	1 - do -
viii) French	Lecturer	1 - do -
ix) History	Lecturers	2 - do -

Library:

Text Books	486
Reference Books	170
Periodicals	4
Academic journals	10

Enrolment

		Boys	Girls	Total
Commerce	I Year	43	17	60
	B. Com			
Arts	I Year	21	16	37
	B.A.			

Extra-curricular activities:

- i) A variety entertainment programme was written, produced and broadcast on A.I. R., Panaji.
- ii) One student participated in the elocution competition conducted by the NSS unit of Naik Tukoba Higher Secondary school at Curchorem and was awarded the Second Prize.
- iii) The College students participated in various sports events of the Goa University and other such agencies.
- iv) NSS activists took part in the plantation drive at the Goa University campus.
- v) The activists celebrated the National Youth Day.

E - PROFESSIONAL COLLEGES

E - 1 GOA MEDICAL COLLEGE PANAJI-GOA.

The college was established in the year 1968 and caters to instruction in the subjects leading to degree and diplomas in the faculty of Medicine.

Pending the completion of its 750 bedded Hospital Campus at Bambolim, the institution runs most of its activities in the old complex located at Panaji.

For the extra-curricular activities, the college has playgrounds, one each for Basketball and volleyball and two for outdoor badminton. Ample sports articles are being provided as also international players and a trained coach have been appointed.

There are 3 hostels for boys and 2 for girls. In all 459 students are being accommodated in these hotels.

Faculty Improvement Programme

The teaching faculty of the existing Departments of the college consists of qualified staff with the requisite experience and is in consonance with the requirements prescribed by the Medical Council of India.

There is a proposal by the Government to introduce super - speciality Departments in the college once the new campus is completed.

Details of Teaching Staff.

Dean of the college: Dr. G.J.S. Abraham.

Departmentwise Teaching Strength

<u>Department</u>	<u>Designation</u>	<u>No. of Teachers</u>
i) Pharmacology	Dean	1
	Professor	1
	Associate Professor	1
	Asst. Professor	1
	Lecturers	2
	Demonstrators	3
ii) Anatomy	Professor	1
	Associate Professor	1
	Asst. Professors	2
	Lecturers	2
	Demonstrators	5

iii) Microbiology	Professor	1
	Associate Professor	1
	Asst. Professor	1
	Demonstrator	5
iv) Medicine	Professor	1
	Associate Professors	2
	Asst. Professors	2
	Lecturers	2
v) Ophthalmology	Professor	1
	Asst. Professor	1
	Lecturer	1
vi) Surgery	Professor	1
	Associate Professors	2
	Asst. Professor	1
	Lecturers	2
vii) Anaesthesiology	Professor	1
	Asst. Professor	2
	Lecturers	2
viii) Tuberculosis & Chest Diseases	Professor	1
	Associate Professor	1
	Asst. Professor	1
	Lecturer	1
ix) Obstetrics and Gynaecology	Professor	1
	Associate Professors	2
	Asst. Professors	3
	Lecturer	1
x) Forensic Medicine	Professor	1
	Asst. Professor	1
	Lecturer	1
	Demonstrator	1
xi) Orthopaedics	Professor	1
	Associate Professor	1
	Asst. Professor	1
	Lecturer	1
xii) Paediatrics	Professor	1
	Asst. Professor	1
	Lecturers	2
xiii) Physiology	Professor	1
	Associate Professor	1
	Asst. Professor	1
	Lecturers	2
	Demonstrators	6

xiv) Preventive and Social Medicine	Professor	1
	Demonstrator	1
xv) Pathology	Professor	1
	Associate Professor	1
	Asst. Professor	1
	Lecturers	2
	Demonstrators	8
xvi) Radiology	Associate Professor	1
	Asst. Professor	1
	Lecturer	1
xvii) Neuro-Surgery	Associate Professor	1
xviii) Bio-chemistry	Asst. Professor	2
	Demonstrator	1
xix) Skin & V.D.	Asst. Professor	1
xx) Nephrology/Medicine	Asst. Professor	1
xxi) E.N.T.	Asst. Professor	1
xxii) Blood Bank	Lecturer	1

Details of non-teaching staff

i) Librarian	1
ii) Asst. Librarian	2
iii) Library Asst.	4
iv) Jr. Library Asst.	4

Enrolment and Results

Course	Total enrolment			Course	Percentage results		
	Boys	Girls	Total		April '87	Dec '87	April '88
MBBS I Term	5	2	7	I MBBS	88.00	91.00	66.00
II Term	23	39	62	II MBBS	80.00	75.00	86.00
III Term	11	5	16	III MBBS	53.00	38.00	60.00
IV Term	26	31	57	M.D.	66.00	76.00	88.00
V Term	7	7	14	M.S.	33.00	90.00	20.00
VI Term	23	28	51	Diploma	87.00	100.00	92.00

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- 1) "Histochemistry of mucins of the glands of the rat soft plate
Bhandari G.J. and A.V. Mainker
A. Anat Soc. India (1988) 37,31-37

- 2) " Bilateral agonesis of the lungs"
L.V. Furlakar, A.V. Mainkar & F. Ferreira (1988)
The Clinician, 52:85-89
- 3) "A rare case of Truncus Communis- a case report"
Dr. (Mrs) R.N. Dubashi, P.S. Audi and G.J. Bhandari
The Clinician, Nov. 1987- vol. 51
- 4) "Histophysiology of Maxillary & Accessory Ostia"
Dr. S. Sardesai, Dr. R.B. Dessai & Dr. V.J. Monteiro
The Clinician (1988)
- 5) " Pattern of Hoarding in Rats before, during and post-
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- 6) "Microanalysis of Respiratory Air Samples: A simple
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- 7) Role of Mid-dorsal Caudate Nucleus in Maintenance of Body
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- 9) Hoarding Deficits in Rats with lesions of Ventral
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- 10) A study of Breath Holding time and its variations
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- 14) Effects of Alpha-1 and Alpha-2 Adrenergic Antagonists on
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- 15) Vascular Desensitization-Fossible Role of Prostaglandins
Ferreira, J.S., Dhume, V.G., Diniz, R.S., and Abraham,
G.J.S. Ind. J. Physiol. Pharmac. (1987)31: 42-50.
- 16) Gabargic Mechanisms in Analgesia. Bhandare, P.N., Dinid,
R.G. & Dhume, V.G. Ind. J. Physiol. Pharnac (1987)
31:229-232.
- 17) An analysis of written Examination in Pharmacology with
respect to current Areas.
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Med. Education (1987).
- 18) Pattern of Prescribed and OTC Drugs in North Goa.
Hede, S.S., Diniz, R.S., Agashikar, N.V., and Dhume,
V.G. Ind. J. Pharmac. (1987) 19: 145-148.
- 19) "Familiar Incidence of Systemic Lupus Erythematosis".
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554-558. 1987.
- 20) Frontal Sinus Tumour (a rare case report) Nadkarni N.
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- 21) Rhino Sporidiosis of Conjectiva. Nadkarni N., Mallya
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- 22) Burkitt's Lymphoma- A case Report. Nadkarni N., Rebello
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- 23) Myelodysplastic Syndrome- A case report. Pinto RGW &
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- 24) Neurofibromatois in Successive Generation- Acase report.
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- 25) Astudy of Luekemia in Childern conducted in Goa Medical
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52.Pg. Nos. 96-100, April,88.
- 26) Lymphadenopathy-Incidence, Nature and Pattern in Goa.
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- 27) Granulocytic Sarcoma (Chloroma)-Two case report. Menezes
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- 28) " Squamous Cell Carcinoma arising from conjunctive of Eye-Abstract " Mallaya M.V., Nadkarni N., Menezes S., IAPM Conference 1988.
- 29) " Primary Malignency Melanoma of Nose- Abstract" Nadkarni N., Mallaya M.V. IAPM Conference 1987.
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- 2) Metopic Syndrome- Journal of Academy of Forensic Medicine.
- 32) "Ideal Undergraduate Curriculum in Leprosy" by Dr. B. M. S. Bedi Published in the Indian Journal of Leprosy. 60:1,1988.
- 33) "Economic aspects of an epidemic of haemorrhagic conjunctivitis in the rural community" D. K. Srinivasa and Vidal D'Souza. Journal of Epidemiology and Community Health-March 1987, vol 41, No. 1, Pg.79-81. London British Medical Association, Tavistock Square WC1H 9 Jr.
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- 34) " Smoking Habits among women in rural ares" G.H. Kamat, Vidal D'Souza and S.B. Dixit-Clinician.
- 35) " Mother's Understanding of the needs of Medical Care for Childhood Symptoms" S.B. Dixit, Agnelo Fernandes, S.R. Sinde and Emelita Afonso-Clinician, October 87.
- 36) " Medico social problems of the Elderly in a Goa Rural Community" Agnelo Fernandes and S.R. Dixit-Clinician,

Nov. 1987.

Research Projects:

The following Departments have undertaken Research Projects during the year:

1) The Dept. of Physiology is engaged with ICMR Research Project "Hippocampus as cognitive Map- Implications of Interruption of Hippocampus- Septum-Hippocampus cholinergic loop in spatial memory tested with Rats in 4-arm radial open maze".

Principal Investigator: Dr. R.A. Dhume

Co-Investigator: Dr(Mrs.) J.F. Mascarenhas

Dr(Mrs.) A. Noronha and Dr(Mrs.) M.D. Nagvekar.

Duration : Three years beginning from September '86.

2) The Department of Bio-chemistry:

i) "Lipid peroxidation induced proteolysis in Human Erythrocyte"

ii) "Phosphocinositide turnover in brain during amphetamine induced stereotype behaviour in rats".

The first project has been sent to R.D. Birla Smarak Kosh (Endowment) for financial assistance.

3) The Department of Microbiology

i) "Bacterial Pneumonias"-drug trial alongwith the Dept. of T.B. & Chest Diseases.

ii) "Study of Diarrhoeal diseases in Goa"

iii) "Study of Dermatmycosis in Goa"

iv) "Study of Anaerobic infections".

4) The Department of Medicine:

Research Project:

Dr. N.G.K. SHARMA

a) Study of Malaria in Goa with special reference to clinical features, immunology and drug resistance.

b) Pattern of Acute Renal Failure in Goa.

c) Clinical, Radiological and Biochemical Histopathological study of Hepatomegaly.

d) A study of Echocardiography and stress test in Ischaemic heart disease- CSIR sponsored study.

Dr. (Mrs) S. PARASHAR

- a) Submaximal stress testing early after acute myocardial infraction.
- b) Study of arrhythmias complicating acute myocardial infraction.
- c) Study of coronary risk factors.
- d) Study of acute myocardial infraction analysis of various prognostic indices.

Dr. C.P. KAPOOR

- a) Serum Copper and zinc in alcoholic disease.
- b) Lactose deficiency in patients of chronic diarrhoea.
- c) Hepatitis B surface antigen in patient of alcoholic liver disease and in viral hepatitis.
- d) Norbactin 400 mg in acute diarrhoeas.

Dr. (MRS) LATA KAMAT

- a) A study of complications of Diabetes Mellitus.
- b) A study of complications of Hypertension.

Department of Obstetrics & Gynaecology:

1. Dr. M.N. Pal and Dr. Kedar Phadte
 - a) "Introduction & Evaluation of a pregnancy risk scoring system"
 - b) "Research on Human Reproduction including Gynaecological Endocrinology"
 - c) "Cytological screening of dysplasia and early cervical malignancy"
- 6) Department of T.B. & Chest Diseases.

Tuberculosis Association of India Trial:

"To Study the effectiveness of chemotherapy and drug compliance amongst alcoholic and non-alcoholic patients of pulmonary tuberculosis".

7) Department of Anaesthesiology

The following thesis/topics are completed/in progress:

- i) Post-operative pain relief for assessing sublingual bupremorphine.
- ii) Comparison of Epidural Eupremorphine, Ketamine & Pentazocine for post-operative pain relief.
- iii) Use of pulse oximetry in relation to Hemoglobin percentage in anaesthetic practice.
- iv) Glasgo coma scale and Pittsburg scale in evaluation of Head Injury.

v) Apgar score under various anaesthetic technique.

8) Department of Preventive & Social Medicine

The Dept. is presently engaged in the following projects.

- i) "Characteristics of Family Planning acceptors"
- ii) "Epidemiology of Road accidents".
- iii) "Patterns of alcohol consumption in Goa."

9) Department of E.N.T.

- i) Stapedectomy- long term hearing results.
- ii) Tympanoplasty-Underlay and overlay technique- a comparative study
- iii) Mastoidectomy- close and open cavity technique.

Details of Research Students

Name of Research Guide	No. of Students	
	Full time	Part time
Dr. (Mrs) Suzette Menezes	1	-
Dr. (Mrs) Nisha S. Nadkarni	1	-
Dr. Inderjit Singh	3	-
Dr. (Mrs) M.P. Verenkar	3	-
Dr. N.G.K. Sharma	4	-
Dr. (Mrs) S. Farashar	2	-
Dr. C.P. Kapoor	3	-
Dr. N.G. Dubashi	1	-
Dr. (Mrs) Lata Kamat	3	-
Dr. W.K. Belokar	4	-
Dr. Vasco D'Silva	4	-
Dr. Oswald De Sa	4	-
Dr. A.N. Jadhav	1	-
Dr. A.S. Bagga	5	-
Dr. Philomena P. D'Souza	3	-
Dr. B.M.S. Bedi	5	-
Dr. R.N. Shetti	6	-
Dr. (Mrs) B.R. Naik	1	-
Dr. (Mrs) M.P. Nazareth	5	-
Dr. S.B. Dixit	2	-

Library (Position as on 20.4.88)

Books	11,785
Journals	162
Back volumes	7,417

B-2 GOA COLLEGE OF PHARMACY
PANAJI-GOA.

This is a Government of Goa institution established in 1963. The College is temporarily affiliated to Goa University with effect from 19th June, 1986 for courses leading to B. Pharm degree. Post-graduate degree and diploma courses are also conducted by the College.

The institution is functioning in two buildings with extensive space for six class rooms, Principal's and College offices, Library, etc. Although the College makes use of Government grounds for outdoor games, there are facilities for volley ball games in the College compound. There also hostel facilities provided separately for boys and girls. During the year, there were 60 boys and 35 girls accomodate in these hostels.

Details of Teaching Staff

Principal : Prof. J. Emmanuel, who is also the Professor of Technology.

Designationwise Teaching Strength

i) Professors	2
ii) Asst. Professor	3
iii) Lecturers	11
iv) Demonstrator	1
v) Instructor of Physical Education	1

Non Teaching Staff

i) Sr. Laboratory Technician	1
ii) Technical Asst.	4
iii) Head Clerk	1
iv) Accountant	1
v) Librarian	1
vi) Stenographer	1
vii) U.D.C.	2
viii) Asst. Librarian	1
ix) Store-Keeper	2
x) Doc. Asst.	2
xi) L.D.C.	5

Library: (Position as on 20.4.88)

Books	3,256
Journals	42

Enrolment and Results

<u>Branch of study</u>	<u>Degree awarded</u>	<u>Total enrolment</u>			<u>Percentage of final year</u>		
		<u>Boys</u>	<u>Girls</u>	<u>Total</u>	Mar '87	Oct '87	Mar '88
Pharmacy (Technology)							
I Year		11	17	28			
II Year		7	4	11			
III Year		14	10	24			
IV Year	B. Pharm	5	8	13	-	-	100.00

B-3 COLLEGE OF ENGINEERING, GOA
FARMAGUDI-GOA.

The college was established in 1967 and managed by the Government of Goa. It is temporarily affiliated to Goa University w.e.f. 19th June 1986, to cater to instruction in the approved subjects leading to the degree of Bachelor of Engineering (B.E.) in Civil, Mechanical, Electrical, Electronics and Tele-Communication branches.

Facilities for all outdoor games are provided by the college. During the year, 470 boys and 60 girls were provided with accommodation in the college owned 4 boys hostels and 1 girls hostel.

Details of Teaching Staff

i) Principal	1
ii) Prof. & Head of Dept.	3
iii) Professors	2
iv) Asst. Professors	14
v) Workshop Superintendent	1
vi) Lecturers	18
vii) Associate Lecturers	5
viii) Asst. Workshop Superintendent	1

Details of non-Teaching Staff

i) Store Officer	1
ii) Deputy Registrar	1
iii) Asst. Accounts Officer	1

iv) Accountant	1
v) Repro Clerk	1
vi) Asst. Librarians	3
vii) U.D.C.	4
viii) Stenographers	2
ix) L.D.C.	10
x) Draftsmen	1
xi) Tech. Asst.	7
xii) Lab. Asst.	21
xiii) Class IV staff	57

Library:

Text Books	25,421
Reference Books	375
Periodicals	7
Academic journals	38

Enrolment and Results.

Four Year Courses

Percentage Results of final Semester

	I Year		II Year		III Year		IV Year		Mar '87	Oct '87	Mar '88
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls			
Cvl.	120	26	42	6	68	8	64	7	91.30	75.00	91.70
Mec.	-	-	50	-	63	1	76	-	100.00	-	85.00
Elc.	-	-	11	10	29	3	28	1	73.91	-	66.66
Eltn.	-	-	20	5	26	3	17	4	90.90	-	88.46
Telcom.											

B-4 GOA COLLEGE OF ART
ALTINHO, PANAJI-GOA.

This is a Government of Goa institution established in June, 1972. The College is temporarily affiliated to the Goa University with effect from 19th June, 1986 and caters to instruction in approved subjects leading to B.F.A. (Painting) and B.F.A. (Applied Art) degrees.

It functions in its own building having nine classrooms, Principal and College offices, a library room and a teachers' common room. Outdoor sports activities are conducted on the Police play-ground which is adjacent to the college premises. For hostel facilities, as there is only one flat accommodating 12 boys, arrangements are made with Govt. Pharmacy College boys hostel at Altinho and at the Polytechnic Girls hostel. During the year, 22 boys and 10 girls were accommodated in all these hostels.

Details of Teaching Staff:

i) Principal	1
ii) Sr. Lecturers	2
iii) Lecturers	16

Non-teaching staff:

i) A.A. Officer	1
ii) Reg-cum-Head Clerk	1
iii) Accountant	1
iv) Librarian G.I.	1
v) A/Clerk	1
vi) U.D.C.	1
vii) Jr. Stenographer	1
viii) L.D.C.	1
ix) Drivers	2
x) Class IV staff	8

Library: (Position as on 20.4.88)

i) Text/Reference Books	4,840
ii) Periodical/academic Journals	2,035

Enrolment and Results

<u>Branch of study</u>	<u>Total Enrolment</u>			<u>Percentage of final Year Results</u>	
	Boys	Girls	Total	Degree	Mar'87 Mar'88
Bachelor of Fine Art and Applied Art					
I Year	29	11	40		
II Year	24	11	35		
III Year	22	16	38	B.F.A	
IV Year	17	12	29	(Painting) B.F.A	80.00 100.00
				(Apl. Art)	88.00 94.00

Other Activities:

- i) The staff and students participated in various open Art exhibitions.
- ii) The staff members were invited to give lectures on Art in other co-educational institutes.
- iii) The College participated in the all-India Art and Craft celebration Maru Se Sagar Tak, Bharat Milan Yatra, held at Panaji.

B-5 DEVI SHREEVANI EDUCATION SOCIETY'S
MAHADEORAO SALGAOKAR COLLEGE OF LAW
MIRAMAR, PANAJI GOA.

The college was established in June, 1973 and since then it has been imparting instruction leading to the first degree in Law (LL.B.) Besides this, Diploma classes of the Goa Institute of Management Studies are also conducted by the college.

The college is managed by the Devi Shreevani Education Society, Vasco da Gama in its own two-storeyed building having 4 class rooms and other space to carry out its administrative, curricular and extra-curricular activities. Only scanty facilities are provided by the college for a few indoor games. However, when occasion arises, arrangements for both indoor and outdoor games are made by hiring playground in the locality. Also no hostel facilities are provided.

Details of Teaching staff

Principal : Shri M.N.Samant, who is also the college Professor.

Total Teaching Strength : 9

a) Designationwise.

Principal	1
Lecturers	8

b) Statuswise

Permanent	4 (Full time)
Temporary	5 (Part time)

Non-Teaching staff

i) Accountant	1
ii) Librarian	1
iii) Head Clerk	1
iv) Steno typist	1
v) Typist Clerk	1
vi) Library Asst.	1
vii) Class IV staff	7

Enrolment and Results

Course	Total Enrolment	Percentage results of final year
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	Boys	Girls	Total	April '87	Oct '87	April '88
<u>LL.B</u>						
1st year	168	40	208			
2nd year	68	19	87			
3rd year	26	6	32	28.00	10.00	34.00

Library

Text Books 2,270
Reference Books 6,243
Periodicals 2,474

Academic journals

Indian 22
Foreign 9

General Periodicals 16

Extra-Curricular activities

During the year, the students from the College participated in the Inter collegiate sports and elocution competitions.

B-6 VIDYA VIKAS MANDAL
GOVIND RAMNATH KARE COLLEGE OF LAW
MARGAO-GOIA.

The college, which was established in June, 1979, is run by the Vidya Vikas Mandal and caters to instruction in the approved subjects leading to LL.B Degree.

The institution is run in a private building, having four class rooms and other space for college office, Principal's office, Library etc.

In the absence of its own playground, sports activities are held on the neighbouring grounds. There are also no hostel facilities provided by the College.

Details of the Teaching staff

Principal: Shri V.S. Mallar

Total teaching strength	9
Permanent	2
Temporary	1
Part time	6

Details of non-teaching staff

Head Clerk	1
Librarian	1
Jr. Clerk	1
Class IV staff	5

Enrolment and Results

Class	<u>Total enrolment</u>			<u>Percentage results of Final year</u>		
	Boys	Girls	Total	Apr'87	Oct'87	Ap'88
1st LL.B.	111	18	129			
2nd LL.B.	36	12	48			
3rd LL.B.	23	6	29	34.20	12.50	19.44

Library: (Position as on 20.4.88)

Library Books	3,000
Reference Books	648
Periodicals	8
Journals	9

B-7 GOA DENTAL COLLEGE & HOSPITAL
BAMBOLIM-GOA.

This is a Government College which was established in June 1980, to cater to instruction in the approved subjects leading to B.D.S. Degree.

It functions in one of the buildings located in the Goa Medical College campus (new). There are three class rooms, one college office, one Principal's office and other rooms for library, reading hall, Gymkhana, teachers common room etc.

In the absence of its own playground, the Goa Medical College ground is being used for sports activities.

So also, students are being accommodated in the hostels of Goa Medical College. There were 70 hostelities during the year.

Faculty Improvement Programmes.

In order that the teaching staff could acquire knowledge about the latest techniques and materials used in day to day practice in the field of dentistry, five teachers were deputed to attend the Table Clinics and Demonstrations at the Asian Pacific Dental Congress 1988 held at New Delhi. The knowledge acquired by these teachers at the Congress has

enabled them to pass on the same to their fellow teaching staff, to the students community as a whole as also to utilise it for the patient care.

Details of Teaching staff

Dean : Dr. G. J. S. Abraham

Departmentwise Teaching strength

i) Periodontia	Professor	1
	Lecturer	1
ii) Prosthetic Dentistry	Professor	1
	Asst. Professor	1
	Lecturers	2
iii) Oral Surgery	Professor	1
	Lecturer	1
	Demonstrator	1
iv) Orthodontia	Professor	1
	Lecturer	1
v) Operative Dentistry	Professor	1
	Lecturer	2
vi) Oral Medecine & Rad.	Asst. Professor	1
vii) Radiology	Lecturer	1
viii) Community Dentistry	Lecturer	1
ix) Pedodontia	Lecturer	1

Details of non-teaching staff

i) Asst. Accounts Officer	1
ii) Office superintendent	1

iii) Asst. Librarian	1
iv) Accountant	1
v) Staff Nurse	7
vi) Jr. Mechanical Engineer	1
vii) U.P.C.	2
viii) Jr. Stenographer	1
ix) Jr. Store Keeper	1
x) Dental Technicians	2
xi) Dental Hygienist	1
xii) X-Ray Technician	1
xiii) Artist-Cum-Photographer	1
xiv) LDC	5
xv) Jr. Library Assistant	1
xvi) Laboratory Assistant	5
xvii) Asst. Electrician	1
xviii) Plumber	1
xix) Mechanic	1
xx) Drivers	3
xxi) Radiographer	1
xxii) Class IV staff	14

Enrolment and Results

Class	Total enrolment			Percentage results of Final year		
	Boys	Girls	Total	Apr'87	Nov'87	Ap'88
1st Year Dentistry	10	23	33			
2nd Year Dentistry	3	26	29			
3rd Year Dentistry	5	18	23			
4th Year (Sem. I)	2	7	9	78.57	100.00	90.91
(Sem. II)	5	11	16			

Library (Position as on 20.4.88)

Text Books	532
Reference Books	457
Periodicals	10
Academic Journals	68

Extra-curricular Activities.

a) Sports:

- i) The students participated in the Inter Collegiate Sports like football, volleyball, table-tennis cricket, body building etc.
- ii) One student was awarded "Mr University" award in body building.

b) Cultural Activities:

- i) Traditional fresher welcome party was organised.
- ii) Ganesha Festival week was celebrated.
- iii) In the Dental Week competition like Quiz, What's the Good Word, Dum charads Tom, Dick and Hardy were organised.
- iv) Other activities like Carol Singing and Crib for Christmas were held.

B-8 GOA COLLEGE OF ARCHITECTURE
 MIRAMAR, PANAJI-GOA.

This is a Government College, which was established in June 1982, to cater to instruction in the approved subjects leading to B.Arch degree.

It functions in a private rented building. There are 4 study and one Lecture Rooms, besides the college office, the Principal's Office, Library and six teachers rooms.

The open ground at Campal is being used for sports activities as the College does not have its own playground.

The hostel facilities are provided on share basis with the Polytechnic, Nirmala Institute and the Pharmacy college where in all 15 students were provided with hostel accommodation.

Faculty Improvement Programmes

A number of visiting lecturers and experts were invited so as to acquaint the students with the latest developments in the field of Architecture. The Library of the college is being enriched by addition of appropriate books and journals. A number of slide cum lecture cassetts are also purchased. Necessary equipment was also acquired to enrich the laboratories of survey instruments, audio visual and photography. Personal computer system is installed in the college, which will be beneficial for Architectural studies.

Future programmes are to enrich the materials museum and to build up climatology laboratory. It is also proposed to start an Institutional Architectural Consultancy Service, so that the staff and students will get involved in "Live" Acchitectoral Projects in Goa.

Proposals are also afoot to shift the college to the Medical College Complex at Bambolim.

Details of Teaching Staff

Principal : Shri S.A. Jawaid, who is also the Professor in the college.

No. of Teachers by Designation

Professor	1	Probationary
Asst. Professors	2	Probationary
Lecturers	2	Probationary
Lecturer	1	Ad-hoc.

Details of non-Teaching staff

i) Librarian cum Administrative Officer	1
ii) Head Clerk	1
iii) Model Room Asst.	1
iv) Jr. Stenographer	1
v) U.D.C.	1
vi) L.D.C.	1
vii) Driver	2
viii) Class IV staff	3

Enrolment and Results

Class	<u>Total enrolment</u>			<u>Percentage results of Final year</u>		
	Boys	Girls	Total	Mar'87	Oct'87	Mar'88
I Year B. Arch.	15	7	22			
II Year "	8	12	20			
III Year "	8	12	20			
IV Year "	10	10	20			
V Yea "	16	7	23	25.00	-	87.50

Library (Position as on 20.4.88)

Books	2,300
Reference Books	200
Periodicals	30
Academic Journals	22

Extra-curricular Activities

The students participated in sports such as Football, Cricket etc. as also in other cultural activities conducted by various colleges like creations, happenings, fusion etc.

One of the students was awarded the Man of the Year trophy at "Happenings".

The college also won the 2nd prize at "Creations".

A team of 30 students participated in the National Association of students of Architectural Convention, 1988 at Manipal.

B-9 KALA ACADEMY COLLEGE OF MUSIC PANAJI-GOAL

The college was established in 1987 in the Government owned Kala Academy. Temporary affiliation is given to the college to impart at the first instance, instruction in Indian classical vocal and Instrumental Music leading to a degree in Bachelor of Music. As this was the first year of its functioning, the activities of this College were restricted to minimum. Although there are few students attending the course, lecturers as also the Principal are yet to be appointed on regular basis. Lectures are provided to the students by visiting teachers.

C - INSTITUTES

C-I XAVIER CENTRE OF HISTORICAL RESEARCH ALTO PORVORIM, GOA.

The Centre, which was established in 1978 is recognised by the Goa University as a Post-Graduate Institute for historical research and for guiding students for research work leading to Ph.D. Degree in History.

It is run in a building owned by the Goa Xavier Co. Pvt. Ltd., whose Chairman is also the Chairman of the Centre. The ground floor of the building consists of various offices, two conference rooms, one lounge, a computer-cum-microfilm room and a reprography room. The auditorium-cum-museum and the Historical Research Library are located on the upper floor. There is also a Reading room and a Manuscript room attached to the Library.

Research Facilities

The research facilities provided by the Institute are widely utilised by the post-graduate students and research scholars of the Goa University and its affiliated colleges as well as by scholars from outside Goa and from abroad.

The Centre has the largest single collection of nearly 13,000 books, Government reports, geographical maps and over 100,000 private family manuscripts of value for historical research on local history as well as on Portuguese colonial empire. The collection also includes over 12,000 documents in microfilm from the archives in Europe. The journal section holds 389 titles.

The mini-museum of the Centre concentrates on Goan Christian Art and includes also valuable collections of postal stamps, coins and medallions.

Regular seminars and workshops are organised by the Centre. Also it has published, so far six research monographs to promote historical research consciousness in Goa. The seventh publication entitled "Essays on Goan History", will be released shortly.

The Centre also offers facilities for learning Portuguese. Over 100 research students from Goa and elsewhere in India have availed of this facility.

Academic Staff:

- i) Director: Dr. Teotonio R. de Souza, S.J.
- ii) Research & Library Asst.: Fr. Timoteo Lobo, S.J.

Non Teaching Staff

- i) Administrator 1
- ii) Jr. Librarian 1
- iii) Library Assistant 1
- iv) Office Assistant 1
- v) Office Attendant 1

Institute and Staff Activities

During the year, the following activities were undertaken by the Institute:

- i) The Seventh local history seminar on "History of Labour Movement in Goa since Liberation", sponsored by the Indian Council of Historical Research.
- ii) 14th and 15th sessions of crash courses in Portuguese language.
- iii) Dr. T.R. de Souza presented papers at the following seminars:
 - a) "Regional Organizations in the Third World: Comparative Perspectives" organised by the Dept. of Political Science, Osmania University, Hyderabad.
 - b) Southern Zonal Seminar of the ICHR, hosted by the Central University of Hyderabad.
 - c) "India and Mozambique- Past and Present" organised by the Directorate of Goa Archives.
 - d) Dr. de Souza conducted a course of 30 lectures on "History of Christianity in India" at the Jnana Deepa Vidyapeeth, Pune.
 - e) Four Ph.D. students are presently working under the guidance of Dr. de Souza.
 - f) Fr. Charles Borges submitted his synopsis of Ph.D. Dissertation to Bombay University.

C-2 GOA INSTITUTE OF MANAGEMENT STUDIES.
MIRAMAR, PANAJI-GOA.

The Institute, which was established in June 1972 is run by the Devi Shreevani Education Society, Vasco-da-Gama, in the same building where Mahadevrao Salgaoncar College of Law is located. The Director, Col. (Rtd.) N.S. Dwarkanath is the only teaching member of the Institute. However, it has a policy of inducting the practising Managers in the various fields of management, certain academicians and wellknown personalities, who come to the Institute and impart instructions.

The Library of the Institute has 2,000 books and 14 journals.

Enrolment and Results

<u>Branch</u>	<u>Diploma awarded</u>	<u>Duration</u>	<u>No. of students</u>	<u>Percentage results April '87</u>
Business Management	DBM	1 year	30	50.00
Administration	DAM	1 year	12	75.00

C-3 DIRECTORATE OF ARCHIVES,
ARCHAEOLOGY & MUSEUM,
PANAJI-GOA

This is a Government institution, which was established in the State in the year 1598 to cater to post-graduate instruction and teaching in Ph.D. degree in History. Dr. P.P. Shirodkar, who is the Director of the Institute is the only teaching member of the institution. The Library of the Department consists of over 30,000 books.

During the year, three students were doing part-time research under the guidance of Dr. Shirodkar.

Research Project sponsored by Goa University

Name of the awardee: Dr. P.P. Shirodkar
Title of the Project: "Goa Through Ages' (Political History)

Visitors

Eight foreigners and thirty one Indian Scholars visited the Department during the year.

Seminar, Conference, Workshop, etc.

- i) The Department organised the "local History Seminar on : (Goa) Cultural trends through the Ages" jointly with the Goa University. Dr. P.P. Shirodkar S/s. V.R. Mitragotri, A.S.A. and R.R.S. Chauhan, Archivist (Publication), presented research papers.
- ii) A Workshop and Seminar was organised on " India and Mozambique ". Dr. P.P. Shirodkar presented the paper on "India and Mozambique-Centuries old Interaction".

Publication

Besides the Departmental publication of the semestral Research Journals "Purabhilekh-Puratatva". Dr. Shirodkar brought out the following publications:

1. A book on Goa's Struggle for Freedom
2. Goa Cultural Trends (edited)
3. "Dadra and Nagar Haveli case" The International Court of Justice Goa wins Freedom."
4. World War II exchange of POW's in Mormugao Harbour
5. Fort of Reis Magos.
6. "Gentilism" in Asia through Portuguese Eyes
7. Influence of Nath Cult in Goa.
8. India and Mozambique centuries old interaction
9. Goa through the Ages.

C-4 VIDYA VIKAS MANDAL'S INSTITUTE OF MANAGEMENT TRAINING & RESEARCH MARGAO-GOA.

The Institute, which was established in June, 1981. is run by the Vidya-Vikas Mandal. It was recognised by the Goa University in the year under report for conducting post-graduate part-time one year courses in Management leading to D.B.M. and D.A.M. diplomas.

It is run in private building which has four class rooms, in addition to one room each for Director's office, college office, teachers common room and students common room.

As the Institute runs part-time courses on Saturdays and Sundays only, it provides no other facilities like playground, hostel, etc.

Teaching Staff

With the exception of Shri M.B. Limaye, who is the Director and full-time lecturer of the Institute, the other teaching staff consists of 8 part-time (lecture basis) Lecturers. Departmentwise details are as under:

<u>Department</u>	<u>Number</u>
i) Management	1
ii) Commerce	3
iii) Economics	1
iv) Accountancy	1
v) Mathematics & Statistics	1
vi) Engineering	1
vii) Law	1

Non-teaching Staff

This staff consists of only one temporary office Assistant and one part-time library in-charge.

Library

There are in all 170 library and reference books in the Institute.

Guest Faculty:

Regular class room lectures by the faculty members are supplemented by Guest Lecturers on a continuous basis. The details are as under:

- i) S/Shri Sham S. Rangnekar and S. Balachandran, Management experts from Bombay delivered a lecture each on 20th & 27th Sept. 1987.
- ii) Shri Satish Prabhu, Manager, Hotel Mandovi, Panaji, delivered a lecture on 2.10.87.
- iii) Dr. V.V. Bhate, Reader in Management Studies Poona University, delivered a lecture on 2.10.87.
- iv) Shri G.V. Bhat, Executive Engineer, M.P.T. Vasco, delivered a lecture on 18.10.87.
- v) Shri A. Jeyachandran, Regional Training Manager, Welcome Group, Madras, delivered a lecture on 31.1.88.
- vi) Shri P. Narasinha Murty, Sr. Manager, Canara Bank, Margao, delivered a lecture on 31.1.88.

- vii) Prof. Subhash Bhare, Director, I.C.D.R. Pune, delivered a lecture on 14.2.88.
- viii) Dr. G.S. Kamat from the V. Mehta Institute of Management, Pune, delivered a lecture on 21.2.88.
- ix) Shri S.V. Usgaonkar, Sales Tax Expoert, delivered a lecture on 27.2.88.
- x) Shri P.J. Joseph, Central Excise officer, delivered a lecture on 28.2.88.
- xi) Dr. P.V. Kulkarni, Dy. Director, CIRT, Pune, delivered a lecture on 6.3.88.
- xii) Shri P.L. Nayak, Retd. Supdt., Canara Bank, delivered a lecture on 12.3.88.
- xiii) Shri B.K. Shenoy from the marketing management delivered a lecture on 13.3.88.
- xiv) Shri C.V. Charute, Materials Manager, M.P.T. delivered a lecture on 20.3.88.
- xv) Principal P.V. Mehta, Principal J.C. College of Law, Bombay, delivered a lecture on 2.4.88.

enrolment and Results

<u>Branch of Study</u>	<u>Diplomas awarded</u>	<u>No. of students</u>			<u>Percentage semester I-Jan88</u>
		<u>Boys</u>	<u>Girls</u>	<u>total</u>	
1. Management	D.B.M.	8	1	9	85.00
2. -do-	D.A.M.	7	-	7	60.00

C-5 NATIONAL INSTITUTE OF OCEANOGRAPHY.
DONA-PAULA, GOA.

General:

The Institute, which is headed by a Director, is a Government of India institution and has its headquarters at Dona Paula-Goa. Dr. B.N. Dessai is its present Director. The main involvement of this Institute is the ocean research in which India achieved a significant landmark by becoming the first country in the world to obtain rights for mining the polymetallic nodules in the Central Indian Ocean from the United Nations.

The Institute, which was temporarily recognised by the University of Bombay, obtained a blanket recognition from the Goa University for a period of two years w.e.f. June, 1986 for courses leading to Ph. D. The number of students registered for Ph.D. under the guidance of following recognised teachers of National Institute of Oceanography, Dona Paula, during the academic year 1987-1988 are as under:

<u>Name of the Guide</u>	<u>Name of the Research students</u>
1. Dr. B.N. Desai	(1) Shri R.M.S. Bhargava
2. Dr. A.H. Parulekar	(1) Shri H.N. Mhalatkar (2) Shri C.V. Rivonkar
3. Dr. R. Nigam	(1) Shri D.N. Mayekar (2) Shri S.M. Gupta
4. Dr. A.B. Wagh	(1) Shri P.N. Pangu
5. Dr. S. Raghukumar	(1) Kum. Veena Sathe
6. Dr. R. Sengupta	(1) Shri S.M. Nair (2) Smt. K.A.M. Rao
7. Dr. R.R. Nair	(1) Shri N.H. Hashimi (2) Shri V. Ramaswamy
8. Dr. J.S. Shastry	(1) Shri Y.K. Somaystula (2) Shri P.N. Vinaychandran

Training and Manpower Development:

The training Division of the Institute coordinated the development of trained manpower within and contributed to the development of other organisations too. Specialised courses, conferences, seminars etc. were organised. NIO extended its infrastructural facilities to the teachers, students and research workers of other organizations especially for field training. Teachers and students from four Universities from Andhra, Berhampur, Mangalore and Goa and IIT, Madras were trained on board R.V. Gaveshani.

Visitors:

During the year, many high dignitaries, scientists and Professors both national and international, visited the Institute. Some of them delivered a series of specialised lectures, talks, etc.

Publications:

Besides the regular publications of the Institute, a number of other publications, popular articles and technical reports were brought out by the staff of the Institute during the year under report. A book entitles "Life beneath the sea" by V. Shanthakumari was published by Peetambar Publication Co. Educational Publishers, New Delhi-pp: i-88.

Library :

The Library of the Institute has a large collections, as listed below, which is widely used, not only by the staff but by outsiders also. Books, periodicals and photocopies are loaned to or NIC and Goa University Library is also done. The collection of the Institute consists of:

- i) Books 17,969
- ii) Technical reports 4,880
- iii) Journals 302.

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CHAPTER - IV

OTHER ACTIVITIES

A. Library

The University Library came into existence with the establishment of the Goa University in June, 1985. In fact, the start was made by annexing the library of the Centre of Post Graduate Instruction and Research, University of Bombay to the Goa University Library, whereby a collection of 37,676 books and periodicals formed the basis of the present Library.

This section of the University is actually the central point of educational and research activities as it caters to the needs of various post-graduate students, research scholars and faculty members. To this effect, it is being replenished with newer and latest additions, year after year. Today, the total collection has reached to 48,795 volumes of books, covering a number of disciplines under Humanities, Science and Social Science covering wide range of subjects like Philosophy, Sociology, Politics, Economics, Education, Languages and Literature in English, Hindi, Marathi, Konkani, French and Portuguese, Mathematics, Computer Science, Physics, Chemistry, Geology, Marine Science, Microbiology, Management Studies, Arts, History and Biographies.

The Library has a separate journal section which subscribes 380 journals. Some journals are also received as gratis. Besides, the Library consists of thesis and several dissertations. More journals are being procured so as to strengthen the research activities of the University. In addition, the special needs of Historical Research are catered through Professor P.S.S. Pissurlencar Collection Library which consists of 4486 books, journals, documents, photostat copies and microfilms. The Goa University has the following collections of books and journals which enrich the University's corpus.

- a) About 610 books from the heirs of Professor Vithalrao Sukhthankar.
- b) About 80 books in Portuguese from Dr. Shridhar Tamba.
- c) A collection of about 467 books in Philosophy (of Prof. D'Andrade's collection) from the Bombay Philosophical Society, Bombay)
- d) About 519 books in Portuguese mainly concerned with Portuguese Literature of the 19th Century from Advocate Paul Mascarenhas in the memory of his late father.
- e) About 146 + 149 books in French and Portuguese from Prof. G.V. Kantak.
- f) Collection of books/periodicals, pamphlets etc. 721 donated by Shri Carmo Azavedo on Goa and by Gean Authors.
- g) About 324 books mostly on Ayurveda from Dr. Raghuvir P. Sinary.
- h) A collection of books numbering 1676 mostly Marathi from Shri Wamanrao Kundaikar.
- i) A Collection of books numbering 289 mostly Portuguese from Shri Xavier De Monte Furtado.
- j) A Collection of 125 books mostly Portuguese from the Xavier Centre for Historical Research, Porvorim.

Also the USIS Library, Alliance Francaise and British Council Library donate books regularly to the University Library. This includes 156 books specially on Latin American Studies in the USIS collection.

Working Days:

The Library is kept open for all the days except Sunday, throughout the year, Besides the normal working hours of the library, the reading rooms are kept open for extended hours so as to facilitate its use by the readers. During the examination days, the Library is kept open even on Sundays and Public holidays.

The normal timings of the Library are 9.00 a.m. to 6.30 p.m. on week days and 10.00 a.m. to 5.45 p.m. on 1st, 3rd and 5th Saturdays of the month.

Readers and Use of Library:

The University has 800 registered readers including the staff members and several casual visitors. Inter Library exchange of books and journals is encouraged and the journals are regularly exchanged with the Library of National Institute of Oceanography.

Teachers and students of the local colleges are encouraged to use the University Library and the reference and borrowing facility is extended to them. Ph.D. Students are issued ten books at a time, as a special facility to boost research activity in the University.

The Library continues to receive presentation of books/periodicals from a number of persons and institutions.

Other Materials:

Several maps are also collected by the Goa University Library.

BIBLIOGRAPHICAL and Documentation Service:

Bibliographies of reading materials available in the Library were compiled and supplied on demand to staff members on special subjects. A list with the latest addition is circulated to the University Departments. Recently, an exhaustive list of periodicals holdings of the Library has been published.

University Bindery:

Bindery unit been opened to cater to the needs of day to day mending/binding of books and journals.

Classification and Cataloguing:

Books are classified according to Dewey Decimal Classification and subject and author (Main) catalogues are maintained. There are separate catalogues for collections. Moreover the library collection (Books & Journals) is being computerised.

B. Konkani Encyclopaedia

The Encyclopaedia, which will contain information on general knowledge covering the whole world, will cater to the needs of the scholars as well as of the common men knowing Konkani. Emphasis will be laid on information relating to the Konkani speaking territories, their people, history, geography, art and culture, customs and manners, etc.

It will consist of three volumes, each of 1000

pages. The source materials will be extracted from Encyclopaedias in English, French, Portuguese, Hindi, Marathi, Kanada, etc. and from the specialised works. However, original articles on local topics that, so far have not been dealt with in other works, will be written by the scholars conversant with the subject.

The Project will be the first of its kind in the history of Konkani Language and will go a long way in bringing the general knowledge to the doors of the common Konkani men.

Staff

- 1) Dr. M.L. Sardesai, M.A., D.Lit.
Chief Editor
- 2) Dr. T.D. Halarnakar, M.A., Ph.D.
Executive Editor
- 3) Shri Mukesh P. Thali
Research Assistant

Participation in Seminars, Conference, Workshop, etc.

Dr.M.L. Sardesai - (Reported under the Department of French)

Dr.T.D. Halarnakar

- 1) Presented paper on "Democratic Decentralisation and Development at grassroot level in Goa" in the Seminar on "Problems of Development" organised by Goa University and I.C.S.S.R. (W.R.C.) Bombay in November 1987.
- 2) Presented paper on "Male Female Relationship - Myth and Reality" in the Seminar on "Females and Feminism" organised by Apurbai Prakashan and Goa Konkani Akademi in March 1988.
- 3) Presented a paper on "Ratio of Fiction and Reality in Literature" in the Literary Workshop for writers organised by Goa Konkani Akademi in November 1987.
- 4) Presented a paper on "Translations in Konkani" in the "All India Konkani Writers Conference" organised by Konkani Bhasha Mandal, Goa in May 1987.
- 5) Participated in the Workshop on "Teaching of Konkani for College Teachers" organised by Goa University in March 1988.

- 6) Participated in the Seminar on "Goa Today and Tomorrow" organised by Konkani Bhasha Mandal, Goa in August, 1987.

Publication

Dr. T.D.Halarnakar

1. Edited the Annual Issue of 'Konkani' for Konkani Bhasha Mandal - Goa.
2. Published an article "Dashavatari : Goan Folk Art" in the book 'Swarnakamala' Edited by M.L. Bhat, Mangalore 1988.
3. Published an article "Research and Researchers" in the magazine "Vangadi", October 1987.
4. Published an article "Cultural Heritage" in the magazine "Konkani Times", December 1987.

Other Details

Dr. T.D. Halarnakar

- a) Elected as President of Konkani Bhasha Mandal, Goa for the year 1987-88.
- b) Nominated as a member of General Council of Kala Academy, Goa.
- c) Nominated as a member of Syllabus Committee constituted to prepare the teaching course for the Government servants for teaching official language (Konkani) by the Official Language Cell, Govt. of Goa.
- d) Nominated as Previewer of Teachers' Guide (Konkani) prepared by the State Institute of Education, Government of Goa.

C. Extra-Curricular Activities of the University

During the year under review, the various extra-curricular activities undertaken by the Goa University are as follows:

1. Directorate of Students Welfare and Cultural Affairs

The Students Council was constituted as per the University Statutes S. 47 (1-6). The Council consists of one student from each college or institution, elected by an electoral college consisting of a representative from each class of the college or

institution, as the case may be, affiliated to or recognised by the Goa University. Accordingly elections were held.

Dr. A.K.Pandey, Professor and Head of the Department of Hindi was appointed as the Director of the Council.

The various activities undertaken under the auspices of the Directorate of Students Welfare and Cultural Affairs during 1987-88 are as follows:

- i) The third Dr. G.U. Kamat Helekar Memorial Lecture on "Rethinking on the Nehru - Mahalanobis strategy of Economic Planning" was delivered by Dr. P.R. Brahmanand (Former Professor in Monetary Economics, University of Bombay and National Fellow of Indian Council of Social Science (Research).
- ii) Under the auspices of the Goa University Student's Council the following activities were organised.
 - a) A Seminar on "Portuguese Law" on 31 January at M.S. Law College, Panaji.
 - b) A Seminar on "Western Ghat of Goa-Past, Present and Future" on 4 February in Goa University.
 - c) A Workshop on "Research Methodology" from 6 Feb. to 19 March. (on every Saturday).
 - d) A Seminar on "Entrepreneurship and Interview Technique", at Dhempe College on 21 Feb. 1988.
- iii) In the First Week of February, the following competitions were held.
 - a) Singing Competition in English at the Carmel College, Nuvem.
 - b) The "Orator of Goa University" contest at V.N.S. Bandekar College, Mapusa.
 - c) Audio-Visual quiz competition, at Damodar College, Margao.
 - d) Hindi and Konkani singing competition at G.V.M. College of Commerce, Ponda.

- e) Mime competition at P.E.S. College of Arts & Science, Farmagudi.
 - f) Poster College competition at the Architecture College, Panaji.
 - g) A Seminar on Development of Goa :-
'21st Century perspective' held on 3 March '88 at S.S. Dempo College of Commerce, Panaji.
- iv) The Post-Graduate Student's Union activities are as follows
- a) As part of celebration of National Science Day, a Science Quiz and Poster competition was held on 28.2.88.
 - b) A Multilingual Poets' Meet 'LEAPOETRY', was organised on 29 Feb. 1988.
 - c) A bulletin 'Insight' (Cyclostyled) was issued.
 - d) Talent cum-opinion survey '88 was conducted.
 - e) A study tour of Gurdo and Selaulim was organised on 26 March 1988.
 - f) A Cultural Evening was organised on 24th March 1988.
- v) The Goa University Youth team participated in the West Zone Inter-University Youth Festival held in December at Bombay and secured First place in Western Group Song competition, and Second place in the Western Solo (Vocal) competition.

This victorious team was invited to participate at the Inter - University National Youth Festival held at Akola, in Feb. 1988. The team secured the Second place in Western Group Song and First place in the Western Solo (Vocal).

2. Directorate of Sports

Goa University began its sports activities with the formal notification of a Sports Council on 24th July, 1986. In a meeting held on that day, it was decided that 1986-87 being the first year, the University should participate only in a limited number of Inter-University tournaments.

With the appointment of a full-fledged Directorate of Sports w.e.f. 1.9.1987, the University was able to implement the various schemes drawn in the field of sports.

A brief report of the activities conducted during 1987-88 is given below :

a) Inter-Collegiate Tournaments:

The Directorate centralised all the Inter-Collegiate competitions so as to organise them in a systematic and disciplined manner. Rules & Regulations were framed for the participants and the Annual Sports Calendar was chalked out for the various events. Appropriate entry and eligibility forms were issued to affiliated institutions to enable them to sponsor their students in the various competitions.

The following Inter-Collegiate tournaments were conducted by the Directorate during the year under report.

1. Football	(Men & Women)
2. Table Tennis	(Men & Women)
3. Volleyball	(Men & Women)
4. Kabaddi	(Men & Women)
5. Badminton	(men & Women)
6. Basketball	(Men & Women)
7. Kho Kho	(Men & Women)
8. Hockey	(Men & Women)
9. Athletics	(Men & Women)
10. Cricket	(Men)
11. Judo	(Men)
12. Chess	(Men & Women)
13. Power-Lifting	(Men)
14. Best Physique	(men)
15. Weight Lifting	(Men)
16. Tennikoit	(Women)

A total number of 1,266 men and 454 women participated in the competitions.

b) Inter-University Tournaments:

The University sponsored a number of teams during the year to participate in the below events of the Inter-University tournaments.

1. Football	(Men)
2. Basketball	(Women)
3. Volleyball	(Men)
4. Kabaddi	(Men)
5. Hockey	(men)

- | | |
|--------------|---------------|
| 6. Judo | (Men) |
| 7. Athletics | (Men & Women) |
| 8. Kho Kho | (Men) |

In all 97 students from 13 Colleges participated in the above events, of which 80 were male and 17 were female participants.

A 15-day coaching camp was held for the players selected by qualified Coaches and Experts in the respective events from and of the Inter-Collegiate tournaments. The teams were also provided with appropriate Sports Kit, consisting of Tracksuits, Jerseys, Shorts, Stockings, Shoes, etc. as per the requirement of each events.

The performance of the teams sponsored by the University was quite creditable in every event even though they participated in the competitions for the first time. As these teams were constituted from out of the Inter-Collegiate tournaments, their performance is detailed in Chapter III under the respective College.

c) Sport Material:

Standard consumable and non-consumable sports equipment was purchased during the year for the smooth organisation of the Inter-Collegiate tournaments and the Coaching Camps in various games and sports.

d) Trophies:

Gold, Silver and Bronze medals as also trophies and Shields were purchased during the year for presenting them to the winners of various Inter-Collegiate tournaments.

e) P.G. Gymkhana:

The teams of the Gymkhana also participated in the Inter-Collegiate tournaments like football, volleyball, cricket and athletics. The athletes bagged gold, silver and bronze medals in tripple jump, pole vault and high jump, respectively. The overall performance of these teams was satisfactory.

3. Directorate of Extra-Mural Studies and Estension Services

The activities undertaken by this Directorate during the year under report were as under :

1. Shri Shyam Phobe attended "Training on Environment" in Ponda on 19th, 20th and 21st Nov., 1987. organised by the Centre for Environment Education Ahmedbad.
2. Organised various competitions such as essay-writing, Calligraphy, Picture-drawing, Monocasting etc. among the primary School children of Palem Village. A Cultural Programme, followed by the Prize Distribution was organised on 19/12/87 at the Santeri Temple, Palem Village
3. Science - Quiz'88 at Ponda Education Society's College of Arts and Science was organised on Saturday, Feb.6, 1988. The following was the result.

Winning Team : Ponda Education Society's
College of Arts & Science, Ponda.

First Runners up: Chowgule College of Arts &
Science, Margao.

Second Runners up: Dr. T.B. Cunha Govt. Higher
Secondary School, Panaji.

The Rolling Trophy awarded by Goa Physics Association went to the winning team. All three teams got prizes in books from the Directorate of Extra-mural Studies and Extension Services, Goa University.

4. A lecture on Health and Nutrition Education was delivered to the students of Sacred Heart School and to the people of Anjuna by Dr. Gerson Fernandes, Dr. Marie Clare Colaco and Mr. Viddal D'Souza of Preventive and Social Medicine (Goa Medical College) on Saturday, 12/3/88 at the Rose Garden Premises in Anjuna. The above activity was organised in Collaboration with the local Jaycees.
5. Various competitions among the children of two Primary Schools at Nerul were held. A cultural programme of the above two schools plus four local Balwadis was held on Wednesday, 23/3/88 at Nerul. A Prize distribution function was held. The Chief Guest was Mrs. Phillis Faria, M.L.A.
6. A talk in Konkani on the Role of Konkani Language as instrument of development of Goan Community by Dr. Olivinho Gomes, the Head of the Department of Konkani, Goa University was held on Saturday 26/3/88 at Vagatore (St. Michael School).

Directorate of National Social Services Scheme

During the year under report the N.S.S. Directorate carried out the following activities:

- i) Seminar of Masters Trainers under MPFL supervision and other Adult Education Functionaries in Goa held at the Hotel Nova Goa on 20th July, 1937.
- ii) Shramadan and cultural activities were conducted at Palem village near Siridao in collaboration with the Director of Extra Mural Studies and Extension Services.
- iii) Lectures, exhibitions and film shows were arranged in relation to Anti-Dowry Movement, Bombay with the help of D.B. alias, Mamasahab Kulkarni from Bombay.
- iv) Miss Archana Premanand Kenkre from S. S. Dempo Commerce College, Panaji was sponsored by our University to participate in the Republic Day Parade at Delhi.
- v) Cultural camp was held at Kalem with the help of M.E.S. College, Zuarinagar.
- vi) Shramadan tree plantation, Educational activities etc., were undertaken by our NSS unit.

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A N N E X U R E S !

ANNEXURE - I

EXPENDITURE OF GOA UNIVERSITY

(Rs. in lakhs)

Budget Estimates (1987-88)			Revised Estimates (1987-88)			Actuals (1987-88)			Budget Estimates (1988-89)		
Recurring	Non- recurring	Total	Recurring	Non- recurring	Total	Recurring	Non- recurring	Total	Recurring	Non- recurring	Total
PLAN :											
77.99	529.34	607.33	65.40	409.84	475.24	55.55	376.05	431.60	139.67	585.13	724.80
NON - PLAN :											
38.12	17.00	55.12	40.48	8.00	48.48	33.89	16.97	50.86	35.37	4.50	39.87

ANNEXURE - II

LIST OF THE MEMBERS OF THE EXECUTIVE COUNCIL -

- | | |
|---|--|
| 1. Dr. P.N. Srivastava,
Planning Commission of India,
New Delhi.
----- | 7. Dr. B.N. Desai,
Director,
National Institute of
Oceanography,
Dona Paula, Goa.
----- |
| 2. Dr. S.Z. Qasim,
Secretary,
Department of Ocean Development,
Government of India,
"Mahasagar Bhavan" Block-12
C.G.O. Complex, Lodi Road,
New Delhi- 110 003.
----- | 8. Prof. A.K. Srivastava,
Director of Technical
Education,
Directorate of Education
Panaji-Goa.
----- |
| 3. Justice Dr. G.F. Couto,
Judge of High Court of Judicature
of Bombay, Goa Bench,
Panaji-Goa.
----- | 9. Fr. N. Pereira,
Principal,
St.Xavier's College,
Mapusa-Goa.
----- |
| 4. Dr. N. S. Randhawa,
Director General,
Indian Council of Agricultural
Research, Govt. of India,
Krishi Bhawan,
New Delhi - 110 001.
----- | 10. Dr. D.V. Kerkar,
Kerkar Nursing Home,
Margao- Goa.
----- |
| 5. Shri Shivanand V. Salgaocar,
Salgaocar House,
Vasco-da-Gama
Goa - 403 802.
----- | 11. Prof. S. G. Deo,
Head,
Deptt. of Mathematics,
Goa University,
Bambolim-Goa.
----- |
| 6. Dr. G. J. S. Abraham,
Dean,
Goa Medical College,
Panaji - Goa.
----- | |

Note: The Vice-Chancellor is the ex-officio Chairman and the Registrar, ex-officio Secretary of the Executive Council.

A N N E X U R E - III

LIST OF THE MEMBERS OF THE ACADEMIC COUNCIL

1. Shri G.V.Nadkarni,
Principal,
Dhempe College of
Arts and Science,
Miramar, Panaji-Goa.

2. Sr. J. Fonseca,
Principal,
Nirmala Institute of
Education,
Altinho, Panaji-Goa.

3. Dr. G.J.S.Abraham,
Dean,
Goa Medical College,
Panaji-Goa

4. Shri G.K.Pacholi,
Principal,
Goa College of Engineering,
Farmagudi, Ponda-Goa.

5. Rev. Fr. N. Pereira,
Principal,
St. Xavier's College,
Mapusa-Goa.

6. Shri M.N. Samant,
Principal,
M.C. College of Law,
Miramar, Panaji-Goa.

7. Dr. D.S.Bhende,
Principal,
S.B.Dempo College Of
Commerce and Economics,
Altinho, Panaji-Goa.

8. Shri V.R. Shirgurkar,
Principal,
Smt. P. Chowgule College
of Arts & Science,
Margao-Goa.

9. Dr. S.K. Paknikar,
Deptt. of Chemistry,
Goa University,
Bambolim-Goa.

10. Shri S.S. Haldankar,
Principal,
Kala Academy's
College of Music,
Campal, Panaji-Goa.

11. Dr. S.G. Deo,
Professor & Head,
Deptt. of Mathematics,
Goa University,
Bambolim

12. Dr. S.S.Kulkarni,
Reader,
Deptt. of English,
Goa University,
Bambolim.

13. Dr. A.K. Heblekar,
Lecturer,
Deptt. of Physics,
Goa University,
Bambolim.

14. Dr. M.L. Sardesai,
Co-ordinator,
Deptt. of French,
Goa University,
Bambolim.

15. Shri Rashpal Malhotra,
Director,
Centre for Research,
Rural & Industrial Development
2 'A' Sector 19A, Madhya Marg,
Chandigarh - 160 019

16. Dr. V.V.R. Varadachari,
C/o NIO Director's Bungalow,
Dona Paula, Goa.

17. Dr. Joseph Barros, ce,
Institute Menezes Braganza,
Panaji-goa

18. Dr. Rajendra Prasad,
Sr. Professor of Philosophy,
Opp. Stadium, Main Gate,
Rajendra Nagar, Patna

19. Dr. Kishor Gandhi,
Banaras Hindu University,
Faculty Exchange Building,
Near BHU Post Office,
BHU, Varanasi.

20. Dr. V.A.Pai Panandikar,
155, Asian Village,
New Delhi 110016

21. Shri S.A. Jawaid,
Principal,
College of Architecture,
Savitri Niwas,
Campal, Panaji-Goa.

Note : The Vice-Chancellor is the ex-officio Chairman and
the Registrar, ex-officio Secretary of the Academic
Council.

ANNEXURE - IV

LIST OF THE MEMBERS OF THE COURT

- | | |
|--|--|
| <p>1. Dr. V.A.Pai Panandikar,
Director,
Centre of Policy Research,
Dharma Marg,
Chanakya Puri, New Delhi-110 021.</p> <p>-----</p> | <p>11. Pandit Jeetendra Abhisheki,
Staharya Co-operative Housing
Society, City Survey No. 60/1B
Hingane, Maharashi Karve Nagar
Pune - 411 029.</p> <p>-----</p> |
| <p>2. Shri Vassudeva V. Dempo,
Dempo House,
Campal, Panaji-Goa.</p> <p>-----</p> | <p>12. Shri Ashok V. Chowgule,
Chowgule's Bungalow,
Baina, Vasco-da-Gama, Goa</p> <p>-----</p> |
| <p>3. Shri Bruno D'Souza,
Director,
School of Planning & Architecture
Indraprashta Estate,
New Delhi-110 002.</p> <p>-----</p> | <p>13. Shri Mario Miranda,
Oyster Apartments,
Pilot Bunder Road,
Bombay- 400 005.</p> <p>-----</p> |
| <p>4. Shri Dilip Sardesai,
RS International,
1-17, Jolly Maker Chamber No. 2,
Nariman Point,
Bombay - 400 021</p> <p>-----</p> | <p>14. Shri Damodar Narcinva Naik,
P.B.No. 43, V.N.Naik Road,
Fatorda, Margao-Goa.</p> <p>-----</p> |
| <p>5. Smt. Eduardo Faleiro, (Resigned on
Chairman, 9/6/87)
Economic Development Corporation,
55, Bernardo Da Costa Road,
Margao-Goa</p> <p>-----</p> | <p>15. Kum. Pratima Kamat,
C/o Shri Prabhakar Kamat,
Near Circuit House,
Altinho, Panaji-Goa.</p> <p>-----</p> |
| <p>6. Smt. Vijayadevi Rane,
Chief Minister's Bungalow,
Altinho, Panaji-Goa.</p> <p>-----</p> | <p>16. Dr. P. P. Shirodkar,
Director of Archives,
Govt. of Goa,
Panaji-Goa.</p> <p>-----</p> |
| <p>7. Smt. Laxman Pai,
13, Bharati Artist Colony,
Vikas Marg,
Delhi - 110 092</p> <p>-----</p> | <p>17. Dr. T.S.S. Rao,
Deputy Director,
National Institute of
Oceanography,
Dona Paula, Goa.</p> <p>-----</p> |
| <p>8. Shri G. G. Mayekar,
Principal,
V.N.S. College of Commerce,
Khorlim, Mapusa-Goa.</p> <p>-----</p> | <p>18. Dr. Amarjit Singh,
Padma Bhushan,
National Chief Project
Co-ordinator, UNDP Project,
Central Electronics &
Engineering Research Institute,
Pilani (Rajasthan)- 333 031</p> <p>-----</p> |
| <p>9. Dr. R.V. Pandit,
12, Bambolkar Building,
Fontainhas,
Panaji-Goa.</p> <p>-----</p> | <p>19. Shri Prakash Tandon,
1st Vasant Kunj, Sector A(C),
Kishan Garh,
New Delhi - 110 030.</p> <p>-----</p> |
| <p>10. Dr. Joseph Barros,
General Secretary,
Institute Menezes Braganza,
<u>Panaji-Goa.</u></p> | |

20. Dr. R. C. Paul,
Ex-Vice Chancellor,
Punjab University,
695, Sector 8 - B,
Chandigarh 160 008.

21. Shri S. K. Mishra,
Secretary (Tourism),
Transport Bhavan,
New-Delhi.

22. Shri Shyam Benegal,
103, Sangam,
G. Deshmukh Marg,
Bombay - 400 026

23. Shri K.V. Krishnamurthy,
Director,
Geological Survey of India, G.O.I.
Regional Geology I,
Jayanagar Shopping Complex,
IV Block, Jayanagar,
Bangalore 560 011.

4. Shri Hari Jaisingh,
Editor,
Indian Express Newspapers
(Bombay) Private Ltd.
Express Towers, Nariman Point,
Bombay - 400 021 .

25. Shri K. S. Gill,
Director of Soil Research,
Punjab Agricultural University
Ludhiana,
Punjab - 141 004.

26. Shri Rashpal Malhotra,
Director,
Centre for Research in Rural
and Industrial Development,
II A Sector 19A, Madhya Marg,
Chandigarh - 160 019.

27. Dr. M.M.S. Ahuja, FRCS (London)
UGC National Prof. of Medicine,
All India Institute of Medical
Sciences, Ansari Nagar,
New Delhi.

28. Dr. Raes Ahmed,
Deputy Chairman,
University Grant Commission,
Bahadurshah Zafar Marg,
New Delhi 110 002.

29. Dr. M.N. Qureshi,
Adviser,
Deptt. of Science & Technology,
C/1/7, Tilak Lane,
New Delhi - 16.

Note : The Vice-Chancellor is the ex-officio Chairman and
the Registrar is the ex-officio Member Secretary
of the Court.

A N N E X U R E - V

List of Members of the Planning Board

1. Dr. B. Sheik Ali,
Vice-Chancellor,
Goa University,
Bambolim, Goa.
2. Dr. D. H. Pai Panandikar,
Secretary General,
Federation of Indian Chamber of Commerce,
Tandon Marg, New Delhi 110 001
3. Dr. M. Aram,
Shanti Ashram,
'Mount View'
A-141 Kovaipudur,
Coimbatore 641 042
4. Dr. M.S. Sanjeevi Rao,
Chairman,
Electronic Commission of India
Lok Nayak Bhavan,
3rd Floor, Khan Market,
New Delhi 110 003
5. Dr. Ram Takwale,
Prof. of Physics,
Deptt. of Physics,
University of Poona,
Pune 411 007
6. Dr. Manoharrai L. Sardessai,
Co-ordinator,
Department of French,
Goa University,
Bambolim Goa.
7. Dr. S. K. Gandhe,
Registrar,
Goa University,
Bambolim Goa.
8. Secretary to Governor &
Visitor for Goa University,
Raj Bhavan,
Dona Paula, Goa.

ANNEXURE - VI

LIST OF OFFICERS OF THE GOA UNIVERSITY

- | | | | |
|-----|---------------------------|---|---|
| 1. | Visitor | - | H.E. Dr. Gopal Singh,
M.A., Ph.D.,
Governor of Goa, Panaji |
| 2. | Chancellor | - | Dr. Nagendra Singh,
M.A.(Camb), B.Litt.(Dub),
Ph.D.(Cal.), LL.D.(Camb.,Dub.),
D.Sc.(Moscow), DCL (Delhi),
D.Litt.(Bihar). |
| 3. | Vice-Chancellor | - | Dr. B. Sheik Ali,
M.A.(Alig.), Ph.D.(Alig. & Lond.) |
| 4. | Registrar | - | Dr. S.K. Gandhe,
B.Com., M.A., M.Sc., Ph.D. |
| 5. | Deputy Registrar | - | Shri G. V. Kamat |
| 6. | Finance Officer | - | Shri C. H. Noronha |
| 7. | Controller of Examination | - | Shri V. K. Anthony |
| 8. | Assistant Registrar | - | Shri G. D. Dangi |
| 9. | Assistant Librarian | - | Shri V. R. Navelkar |
| 10. | Systems Analyst | - | Shri D. P. Nayak |
| 11. | Executive Editor | - | Dr. T. D. Halarnkar |

Deans of Faculties

- | <u>Name</u> | <u>Deans of Faculty of</u> |
|-------------------------|---|
| 1. Dr. S. G. Deo | - Pure Sciences |
| 2. Dr. G. J. S. Abraham | - Medicine |
| 3. Shri V. S. Mallar | - Law |
| 4. Dr. A. H. Doctor | - Arts, Humanities & Social
Sciences |
| 5. Dr. A. K. Srivastava | - Technology |
| 6. Dr. T.S.S. Rao | - Applied Sciences |
| 7. Sister Rita Paes | - Education |

A N N E X U R E - V I I

LIST OF AFFILIATED COLLEGES AND RECOGNISED INSTITUTIONS In GOA

I Colleges other than Professional

- 1.1 Dhempe College of Arts & Science
Miramar, Panaji Goa - 403 001.
- 1.2 Smt. Parvatibai Chowgule Cultural Foundation College
of Arts & Science, Margao, Goa - 403 601.
- 1.3 St. Xavier's College
Mapusa, Goa - 403 525.
- 1.4 Nirmala Institute of Education
Altinho, Panaji Goa - 403 001.
- 1.5 Srinivasa Sinai Dempo College of Commerce & Economics
Altinho, Panaji Goa - 403 001.
- 1.6 Carmel College for Women
Nuvem, Salcete, Goa - 403 601.
- 1.7 Margaon Education Society's College of Arts & Commerce
Zuarinagar, Goa.
- 1.8 Shree Damodar College of Commerce & Economics
Margao, Goa - 403 601.
- 1.9 V.N.S. Bandekar College of Commerce
Khorlim, Mapusa, Goa - 403 529.
- 1.10 Goa Vidyaprasarak Mandal's College of Commerce & Economics
Ponda, Goa 403 405.
- 1.11 Ponda Education Society's College of Arts & Science
Farmagudi, Ponda, Goa - 403 405.
- 1.12 Naval Academy, INS Mandovi
Verem, Goa - 403 109.
- 1.13 Cuncolim Education Society's College of Arts & Science
Cuncolim, Salcete, Goa.

II Professional Colleges

- 2.1 Goa Medical College
Panaji, Goa - 403 001.
- 2.2 Goa College of Pharmacy
Panaji, Goa - 403 001.

ANNEXURE - VII

LIST OF AFFILIATED COLLEGES AND RECOGNISED INSTITUTIONS In GOA

I Colleges other than Professional

- ✓ 1.1 Dhempe College of Arts & Science
Miramar, Panaji Goa - 403 001.
- 1.2 Smt. Parvatibai Chowgule Cultural Foundation College
of Arts & Science, Margao, Goa - 403 601.
- ✓ 1.3 St. Xavier's College
Mapusa, Goa - 403 525.
- ~~1.4~~ ~~Nirmala Institute of Education~~
~~Altinho, Panaji Goa - 403 001.~~
- 1.4⁴ 1.5 Srinivasa Sinai Dempo College of Commerce & Economics
Altinho, Panaji Goa - 403 001.
- 1.5 Carmel College for Women
Nuvem, Salcete, Goa - 403 601.
- 1.6 Margaon Education Society's College of Arts & Commerce
Zuarinagar, Goa.
- 1.7 Shree Damodar College of Commerce & Economics
Margao, Goa - 403 601.
- 1.8 V.N.S. Bandekar College of Commerce
Khorlim, Mapusa, Goa - 403 529.
- 1.9 Goa Vidyaprasarak Mandal's College of Commerce & Economics
Ponda, Goa 403 405.
- 1.10 Ponda Education Society's College of Arts & Science
Farmagudi, Ponda, Goa - 403 405.
- 1.11 Naval Academy, INS Mandovi
Verem, Goa - 403 109.
- 1.12 Cuncolim Education Society's College of Arts & Science
Cuncolim, Salcete, Goa.

II Professional Colleges

- 2.1 Goa Medical College
Panaji, Goa - 403 001.
- 2.2 Goa College of Pharmacy
Panaji, Goa - 403 001.

1.13 Goa College of Arts, Science & Commerce
Sanguem Goa

1.14 Goa College of Home Science.

- 2.3 College of Engineering, Goa
Farmagudi, Goa - 403 405.
- 2.5 Goa College of Fine Art
Altinho, Panaji - Goa 403 001.
- 2.6 Mahadeorao Salgaonkar College of Law
Miramar, Panaji, Goa - 403 001.
- 2.7 Govind Ramnath Kare College of Law,
Borda, Margao, Goa - 403 601.
- 2.8 Goa Dental College & Hospital
Bambolim, Goa - 403 005.
- 2.9 College of Architecture
'Savitri Niwas', Miramar
Panaji, Goa - 403 001.
- 2.10 Kala Academy's Goa College of Music
Panaji, Goa - 403 001.

III RECOGNISED INSTITUTIONS

- 3.1 Xavier Centre of Historical Research
Porvorim, Bardez, Goa.
- 3.2 Goa Institute of Management Studies
Miramar, Panaji-Goa.
- 3.5 Directorate of Archives
Government of Goa,
Panaji-Goa 403 001.
- 3.3 Institute of Management Training & Research
St. Joaquim Road, Margao-Goa.
- 3.4 National Institute of Oceanography
Dona Paula, Goa 403 004.

2.4 Nirmala Institute of Education
Altinho, Panaji Goa.

~~2.7 Vidya Vikas Mandal Govind Ramnath~~

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Systems Unit
National Institute of Educational
Technology
New Delhi
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