GOA UNIVERSITY



it NNUAL REPORT FOR THE YEAR 1989 - 90

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PREFACE

It is a great pleasure for me to present the fifth Report of Goa University for ti academic year 1989 - 90 the first after my assumption of office as Vice-Chancellor, Gc University on October 30, 1990.

During the short period of five years the fledgeling Goa University has taken shai though it is still in the developing stage. Considerable infrastructure on the beautii campus of the University at Taleigao Plateau has come into existence but is still to reinforced in many ways. Some new Departments which are planned are yet to established. However, we do hope that the continued progress of Goa University v make it one of the best centres of higher learning in the country. Goa has an unique pla in India and the Goa University can also have a place of its own in the realm of high learning in the country.

The year 1989-90 to which this Annual Report pertains saw many importa developments. These include reconstitution of the various Bodies of the University lil the Executive Council, the Academic Council, the Court, the Planning Board and ti Finance committee, the development of the Academic Staff College and the Centre f Women's Studies. Some preliminary work has also been done in planning a new cowl of M.Sc. in electronics. The year also saw the implementation of the restructuring Post-graduate courses. During the year two new colleges were set-up, one at Ouepe and the other at Khandola.

As I have stated above, the University has many miles to go. Our goals and objectiv are clear and with the all-round cooperation of the Faculty and administrative staff alike well as various Bodies of the University we hope to make steady progress in the years come.

I would like to place on record my deepest sense of gratitude to the Visitor for valuable guidance, to the Government of Goa for its Munificent grants, to the Univers Grants Commission and the Central Ministries concerned for the help and assistance respect of funds extended to this University, to the members of the Executive Council, t Academic Council, the Court, the Planning Board and to the several Boards of Studies1 their sincere support and full co-operation at every stage in implementation of the vario academic, administrative and other activities undertaken by the University. I feel specie grateful to our Faculty, which is the backbone of any University system, for its dedicat efforts to raise the level of our University. In equal measure I appreciate the positi response in all sectors of learning we have had from our student community, for who future we all labour. Finally, I am thankful to each and every member of the administrati staff for his or her unstinted support at all times for they have worked like honey bees ir fruitful endeavour.

DR P. R. DUBHASHI VICE-CHANCELLOR

University Offices, Taleigao Plateau, January, 1991.

CHAPTER I

INTRODUCTION

The Vice-Chancellor, on behalf of the Executive Council, has great pleasure in presenting to the the Annual Report of the University for the year 1989-90 as required under section 26 of the Goa Uni) Act, 1984.

General

Established on 1st June, 1985 as a teaching institution for higher education, the Goa Universil completed the fifth year of its existence. This University had inherited from Bombay University a solic of education structure which had been built brick by brick over twenty years, since the days of liberation, pertaining to every faculty, whether Arts, Science, Commerce, Law, Education, Engineer Medicine. Due emphasis had been given to technical and professional education, with the result th State could boast of having a Dental College, a Pharmacy College, an Engineering College, a M College, a College of Fine Art, a College of Education, two Law Colleges four colleges exclusivo Commerce, five colleges of Arts & Science and one college exclusively for Women. Upon this structure of under-graduate courses was based the Centre of Post-graduate instruction and Res (CIPR) with quite a few Departments relevant to the needs of the society. The CPIR, whicl arrangements for post-graduate teaching and instruction in 13 subjects, formed the nucleus for thl University.

The University has by now been fully established. It conducted its first public examinations in 1c for the students who were admitted to the first year during the year 1986-87. The term of the first Uni) authorities appointed by the Visitor in exercise of powers vested in him under the Goa University Act expired between June and August 1988 and all the authorities have since beer reconstituted in accon with the provisions of the Act and Stattites. So we have now the re-constituted Executive Cc Academic Council, Court, Planning Board, Finance Committee, etc.

The Goa University was very fortunate to have a personality of the stature of Dr. Gopal Singh as i Visitor. Unfortunately, with his sad demise on 8th August, 1990 the university has lost not only his vaguidance in its academic matters but also a personality of outstanding calibre.

Faculties and Academic Programmes:

- a) Till 1988-89 the following teaching departments were functioning in the University: Hindi, Ko Marathi, English, French, Portuguese, Economics, History, Political science, Sociology, Philos Mathematics, Physics, Chemistry, Microbiology, Marine Science, Geology, Commerce, Computer Sc & Technology, Marine Biotechnology & Management studies.
- b) This University is one of the 55 Universities in the country selected by the University (Commission for the setting up of an Academic Staff College which started functioning early in 19 The jurisdiction of this Staff College extends not only to the area of this Unix, "rsity, but also to that Shivaji University and four districts under the University of Bombay.
- c) A centre for Latin American studies sanctioned by the University Grants Commission, ha started functioning. To begin with, courses in History and Political science of the Latin American coi have been offered at the M.A. level. Similarly, a centre for Women's Studies, sanctioned by the Unix Grants Commission has also started functioning in the Department of Sociology.
- d) Two new Colleges were started in the year 1989-90. These are one at Quepem and the ot Khandola. Set up by the Government of Goa, these Colleges cater to the need of undergraduate edul in Arts, science and commerce. The Home science college for women which was originally started

years ago by the All India Women's conference (Goa Branch) but had to be disaffiliated because of cert important reasons, was restarted by the Government of Goa from the current academic year.

- e) The University plans to set up in the near future a Department of Ecology and Environm€ Sciences. Recently, the University Grants Commission has called upon this University to put up a prop(); for starting a course of study leading to the degree of M. Sc. in Electronics. The University Gra(Commission ha3 shown willingness to provide financial assistance, if the University agrees to start such course. This matter is being examined in detail.
- f) An important development in the academic field is the restructuring of the courses leading to ti post-graduate degrees in Arts, Science and Commerce. A Committee is also working for simil restructuring of the under-graduate courses in Arts, Science and Commerce and the restructured cours are likely to be implemented from the academic year 1991-92.
- g) The University held a series of seminars and conferences bearing on the history and culture of GI and brought out a few publications such as "Goa Wins freedom". "Goan Society through the Ages "Goa: Cultural Trends" "Essays in Goan History" & "Indian and Mozambique."

III. Construction Programme

The construction activity of the University's new campus on the Bambolim-Taleigao Plateau is going in full swing. The basic infrastructural facilities like roads, electricity, water supply, sewerage etc. are eith completed or nearing completion. The administrative offices faculty block and a large number of resident houses have been completed. The administration has shifted to its new !Tod< on the campus in Janua 1990 and started functioning there. Most of the residential quarters are ready for occupation al allotments are likely to be made before the end of the year 1990. The Blocks for the pure sciences al Applied ,scienes faculties are ready and already occupied by the faculties concerned. Work i construction of a play-ground alongwith a 400 metres running track is also going on expediciously.

IV. Financial Position

- a} The estimated expenditure for the year under review i.e. 1989-90 worked out on the plan side Rs. 660.68 lakhs and on the non-plan side Rs. 42.83 lakhs. These amounts are to be met almost entin from the grants provided by the Government of Goa, with the exception of a small amount to be raised way of fees and other miscellaneous receipts. The actual expenditure incurred during the year amount to Rs.570.70 lakhs on the plan side and Rs. 31.98 Lakhs on the non-plan side.
- b) The University Grants Commission has sanctioned the following grants for the purposes as sho) below for the year 1989-90.

1. Academic Staff College Rs. 9,54,980.00

2. Research Development on Rs. 3,00,000.00 Superconductivity

3. Library Publications Rs. 75,000.00 Research work

4. Research grants to teachers Rs 71,750.00

Total Rs. 14,01,730.00

c) The following grants have been received from the various other Govt. Deptts/Institutions f purpose shown against each of them for the year 1989-90.

| Council of Scientific & Industrial Research | CSIR Fellowship | Rs. 98,959.00 | |
|---|--|------------------|--|
| Association of Indian Universities | Summer Camp Coaching | Rs. 36,784.00 | |
| Deptt of Environmental Forest and wild life | Project on Rs. 1,08,800 sediment flux | | |
| Indian Council of Historical Research | Maritime policies | Rs. 11,875.00 | |
| 5. Dept. of Atomic Energy | Genetic studies on Pseudomonas | Rs. 71,480.00 | |
| Deptt. of Ocean Development | Marine Research Development Fellowship | Rs. 1,37,177.00 | |
| 7. Deptt. of Biotechnology | RG. course in Marine Biotech. | Rs. 9,18,000.00 | |
| 8. Deptt. of Electronics | MCA Programme | Rs. 5,00,000.00 | |
| Indian Council of social Science Research | Seminar on India's Foreign Policy. | Rs. 10,500.00 | |
| | Total | Rs. 18,93,575.00 | |

V) Foreign Visits:

- i) Dr. B. Sheik Ali, Vice-Chancellor of the University was invited by the Documentaries and St Centre, Govt. of Ras Al Khaimah, U.A.E. to attend the International History Conference on "Hist, Relationship between Arabian Gulf and Continent of India" from 17th to 22nd March, 1990. Vice-Chancellor presented a paper at the said Conference on the subject "Arab Impact on Ii Historiography".
- ii) The following faculty members of the University visited different countries to participa conferences, on fellowships, etc.
 - 1) Dr. Joe D'Souza was awarded Commonwealth Fellowship (ACU) to Newcastle, U.K., from 25-4-8-89. He also attended a symposium on Microbial Ecology at Tokyo Japan from 25-8-89 to 6\$
 - 2) Dr. B.S. Shastry visited U.A.E. and participated in an International Seminar on "Indo Arab relatio from early times to the coming of the British", between 17-19 March, 1990.
 - 3) Dr. O.J.F. Gomes was selected in an open competition among Professors/Deans/Deputy Vice-Chancellors of Universities in the Commonwealth for an award of a senior travelling Fellow for 1990, by the Association of Commonwealth Universities, London and visited the Universities London (SOAS, etc), Oxford, Edinburgh, Ulster at Coleraine and Londonderry University of Wal Bangor and Cardiff and Dublin to study the structure and organisation of Departments/Schools languages, literature, linguistics and their course content, research and 1 aching methodology

April to June 1990. He also visited Paris and Rome and their 'Bibliotheque Nationale' and 'Bibliotet Casanatense" respectively, where some old Konkani manuscripts were located.

- 4) Dr. J.A.E. D'Sa visited the U.K. during the summer vacation of 1990. He visited Reading University and the Rutherford Appleton Laboratory in May-June 1990.
- 5) (i) Dr. R.A. Sinari attended by invitation, the First International Symposium on "Universalism at . Warsaw University, Poland, and Presented a paper titled "Conflict among Intellectual Paradigms" ai chaired one of its sessions (November, 1989).
- (ii) He delivered a series of lectures on "Indian Thought" at InterCultural Cooperation (ICC) in Heidelberg University;
- (iii) He attended by invitation, and International Colloquium on "The Search for Man: the Topicality of Philosophical Anthropology" and presented a paper titled "Man: the Elusive Reality", and chaired one of its sessions (May, 1990)
- (iv) He attended by invitation, a seminar on "Equivalents in Religious Language" in Assisi, Rome and presented a paper titled "God as Sat-Cit-Ananda" to it (May, 1990);
- (v) He addressed and had a question-answer session with philosophers at ten universities and Philosophy Research centres in West Germany, Italy and Holland (May-June, 1990).

VI. Authorities of the University.

Seperate list of the members of the Executive Council, the Academic Council, the Court and t planning Board are given in Annexure 11,111,IV,& V,. A list of the various officers of the University is given Annexure VII. The details regarding the meetings of the Executive Council and the Academic Council a 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 imports decisions taken by the Executive Council in these meetings are given below:-

- 1. Approval of the outline of the Eighth Five Year Plan 1990-95 and Annual Plan 1990-91
- 2. Reconstitution of the Sports Council of the Goa University on ad-hoc bass for the current acaderrt year 1989-90.
- 3. Approval of the proposal for strengthening of staff of the Examinations Division.
- 4. Confirmation of the Ex-CPIR staff.
- 5. Appointment of Dr. Lalit C.Garg as Reader in Marine Biotechnology in this University on contract basis for a period of two years under statute 16(2) (b).
- 6. Permission to start M.Pharm., 3-semester course partly by papers and partly by research, in the G college of Pharmacy, Panaji.
- 7. Review of the policy regarding reservation of seats for admission to various courses of study for candidates belonging to SC/ST categories in Universities/Colleges.
- 8. Adoption of Annual Accounts, 1988-89.
- 9. Consideration of the Audit Report on the Goa University for the years, 1985-86, 1986-87 and 1987

- 10. Approval of statute relating to the revision of the scales of pay of teachers of the Goa Universit non-government colleges affiliated thereto in accordance with the scheme of Revision of pay a of teachers in Universities and Colleges, 1986, as subsequently amended vide Govt. of India's I NO.1-2/87.1 dated 22nd July, 1988.
- 11. Approval of the rate of interest creditable_to the CPF accounts of the subscribers for the year 1987-88
- 12. Appointment of a Deputy Registrar in the existing vacancy
- 13. Approval of the rates of Art work/Diagrams for Konkani Encylopaedia.
- 14. Institutions of Cash Prize for Final Year of the Law Examination.
- 15. Approval for Introduction of Casual Batch System in Goa College of pharmacy.
- 16. Approval of statute relating to the revision of the scales of pay of Librarians and Physical Educ Personnel of the Goa University and non-government colleges affiliated thereto in accordance the scheme of revision of pay scales of Librarians and Physical Education Personnel in UniverE and colleges vide Govt. of India's letter No.F.1-21-/87-U.I. dated 22nd July, 1988.
- 17. Introduction of a Post-Graduate Diploma in Guiding and Tourism.
- 18. Approval of the Budget Estimates for the year 1990-91.
- 19. Appointment of Prof. Sadananda to the post of Professor of Computer Science.
- 20. Approval of the proposal for construction of an Indoor Multi-purpose Hall under the UGC (NSC Scheme.
- 21. Approval to the recommendation of the Academic Council for starting Commerce College at Navelim, Salcete, Goa by the Diocesan Society of Education, Panaji, Goa.
 - 22. Approval for continuation of annual contract of the services of Chartered Accountant.
 - 23. Approval of Clerical and Class IV staff for the teaching departments of Goa University.
 - 24. Approval of Leave encashment for the Vice-Chancellor.
 - 25. Award of Contract of furnishing the Administrative building of the Goa University.
 - 26. Proposal to create a supernumerary post of Controller of Examinations.
 - 27.T.A./D.A. rules as per IVth pay commission in comparison to University T.A./D.A. rules.

The Academic Council held its meetings during the year under report. The important decisions by the Academic Council in the meetings are given below:-

- 1. Criteria for award of Free Studentships and Merit Scholarships.
- 2. Consideration of allocation of grace marks for sports at University Examinations.

- 3. Maintenance of status-quo for M.Com course during the year 1989-90 and introduction of the new "scheme from the year 1990-91.
- 4. Consideration of the report of sub-committees of the Academic Council constituted for restructuring of Undergraduate courses in Arts, Science and Commerce.
- 5. A.T.K.T. for the students of Engineering Faculty during the Academic year 1989-90.
- 6. Vertical mobility for vocational courses at Std. XII in the subjects of (1) Food Production and (2) Food and Beverage Service.
- 7. Relaxation in qualifications of teachers appointed prior to implementation of revised UGC scales from 1-1-1986.
- 8. A proposal for Introducing Management as an Elective course in the Under-graduate and Post-graduate curriculum.
- 9. Admission policy for M.Sc. Marine Biotechnology.
- 10. Revision of rules regarding refund of fees.
- 11. Appointment of unfair means Inquiry Committee.
- 12. Syllabii of Foundation courses.
- Report of the Sub-Committee of Academic Council constituted for preparing the draft ordinances relating to the restructuring of Under-graduate courses in Arts, Science and Commerce subjects.
- 14. Reguest for relaxation/Concession for undergoing Medical post-graduate courses.
- 15. Proposed changes in Statutes and Ordinances bearing on academic matters.
- 16. Revision of eligibility criteria for direct admission to second year Engineering of B.E. degree cours under this University to the students who pass the Diploma Examination in polytechnic.
- 17. Report of the Sub-Committee of the Academic Council constituted to consider the proposal to intergrate the faculties of Pure and Applied Sciences into the Faculty of Sciences and to consider the issue in depth and prepare specific recommendations on the issue.
- 18. Award of grace marks for distinction in a subject.
- 19. Change of name from M.D. (Preventive and Social Medicine) to M.D. (Community Medicine).
- 20. Proposal for charging the course material Development Fee of Rs. 500/- per student per annum fc the MMS course of study.
- 21. Registration of Shri R. Reddiah for Ph.D. degree in the field of Urban Environmental Planning.
- 22. Request from the Secretary, Diocesan Society of Education Paco Patriarcal, Panaji to relax teaching experience required for appointment to the post of Principal of St. Xavier's College, Mapusa-Goa.

| 23. Starting of courses leading to the degrees of M.Sc. in Botany and Zoology in this University. |
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VII. Legislative addenda, amendments, etc.

- (a) During the year under report six more statutes numbering from S.107,S.108,S.109,S 110, and and were added to the existing ones. They are as under:-
 - S.107 Statute relating to the revision of the scales of pay of teachers of the Goa University and non-government colleges affiliated thereto in accordance with the scheme of Revision of Scales of Teachers in Universities and Colleges 1986, as subsequently amended Vide Gu India's letter No.FY -21/87-U.1. dated 22nd July 1988.
 - S.108 Statute relating to Screening & Selection Committee for screening/selecting the candidate; career advancement.
 - S.109 Statute relating to the revision of the scales of pay Of Librarian and Physical Education .

 Personnel of the Goa University and Non-government colleges affiliated thereto in accord with the scheme of Revision of Pay Scales of Librarians and Physical Education Personne Universities and colleges, 1986, circulated vide Government of India's letter No.F-1-21/87/U.I. dated 22nd July,1988 and approved by the Government of Goa vide letter No. DE/GIA/COL/33/87-88/1522 dated 29th August, 1989.
 - S.110 Statute relating to the Screening & Selection Committee for screening/selecting the candid for career advancement.
 - S.111 Statute governing the Terms and Conditions of Service of Part-time Teachers Appointed in Non-Government Constituent Colleges and the affiliated Colleges in the Faculties of Arts (including Education); Science, Commerce and Law.

These statutes were approved by the Executive Council during the year under report.

- (b) During the year under report twelve more ordinances 0.24,0.25,0.26,0.27,0.28,0.29,0.30,0.31, 0.32,0.33 and 0.34 were added to the existing. They were as under:
- 0.24 Improvement of class at the T.Y.B.A/B.Sc./B.Com, Examinations held by Goa University.
- 0.25 Norms for appointing the folio ing staff for the conduct of examinations (in supersession of existing ordinances).
- 0.26 Ordinance relating to the degrees of Master of Philosophy (M.Phil).
- 0.27 Ordinance in respect of students who have failed at the M.A./M.Sc., M.Com old course examination.
- 0.28 Ordinance regarding the Merit lists.
- 0.29 Ordinance relating to the three year integrated courses leading to the degree of Bachelor of Arts(B.A.) Bachelor of science(B.Sc.) and Bachelor of Commerce(B.Com).
- 0.30 Ordinance regarding improvement of class/performance for M.A./M.Sc./MCom examination
- 0.31 Ordinance prescribing flat rates of reimbursement for chemicals and breakages at the T.Y.B.; practical examinations.

- 0.32 Ordinance prescribing appointment of Expert Assistants, Laboratory Assistants, Laboratory Attendants, Store Keeper and Field Collector etc. for the conduct of third year B.Sc. examination in various subjects. (A batch is to consist of 20 students except in chemistry where it shall consist of 30 students and 12 students in Physics)
- 0.33 Ordinance relating to Bridge Course in Chemistry for students who have passed Std. XII Selene(without Chemistry and desiring to opt for Chemistry as one of the subjects for F.Y.B.Sc. course.
- 0.34 Ordinance regarding bringing the results to its correct position (c) Amendments were carried out to the Goa University Statutes and Ordinances are as under

Amendments

Statutes

1) Statute No.1(4)(1v) - regarding the encashment of leave by the Vice Chancellor of Goa University.

Ordinances

- 1) Ordinance No.0.19.3(ii) governing registration of research students in this University.
- 2) Ordinance No.0.19.2(i) relating to the eligibility criteria for admission to Ph.D. degree course.
- 3) Ordinance No.0.2 relating to the eligibility criteria for admission to M.Phil degree course.
- 4) Ordinance No.5.10(4)(8) relating to the revaluation of answerbooks.
- 5) Ordinance No. 0.20 relating to the examination fee for the second year B.F.A.
- 6) Ordinance No. 0.5.17 & 0.5.17(b)(1)(ii) relating to the reduction of fees for revaluation of answerbooks of students belonging to SC/ST/Denotified Tribes categories.
- 7) Ordinances No.0.11.1 relating to laying down the fees for M.Pharm course partly by papers and partly by research.
- 8) Ordinance 0.16 relating to the appointment of Examiners.
- <u>Addendum</u>: 0.5.17(c) Ordinance relating to revaluation of answerbooks at the University examination.
 - 0.5.18.7 Ordinance regarding award of grace marks to the participants in sports event held at the University/Inter University/Inter-State/National/Inter-National level.

Rules framed by the Goa University.

- R.06 Rules for Allottment of Residential Accomodation
- R.07 Rules for Allottment of Guest House Accomodation.

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 Konkani
- 1.4 Department of Marathi
- 1.5 Department of French
- 1.6 Department of Portuguese
- 1.7 Department of Economics
- 1.8 Department of History
- 1.9 Department of Political Science
- 1.10 Department of Sociology
- 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

5. University Centres

- 5.1 Centre for Latin American Studies
- 5.2 Centre for Women's Studies

1.1 **DEPARTMENT OF ENGLISH.**

i) Teaching and Research staff.

Dr. B.V. Nemade
 M. A. (English), M.A. (Linguistics), Ph.D.

Professor and Head

| 2. Dr. S. S. Kulkami M.A., Ph.D. | Reader |
|---|----------|
| 3. Dr. A.K.Joshi M.A., Ph.D. | Reader |
| 4. Smt. Anita Vashishta M.A., M.Phil | Lecturer |
| 5. Shri K.S. Bhat M.A. | Lecturer |
| 6. Smt. Kiran Budkuley M.A. | Lecturer |
| 7. Shri A.R.Fernandes M.A. | Lecturer |

ii) Visiting Teachers:

- I) Dr. Vrinda Nabar, Reader, Department of English, University of Bombay taught British Literature al American literature at M.A. I and II and M.Phil in the Department from 3rd February to 9th February 90
- ii) DrChandrashekar J. Jahagirdar, Reader Department of English, Shivaji University, Kolhapur taug American Literature and Drama at M.A. I and II and M.Phil in the Department from 12th to 17th Feb, 1990.

iii) Details of Research Students:

| Sr: | Name of the Research Research | | | No. of Students |
|---------------------|-------------------------------|--------------|------|-----------------|
| No. | Guide | Guide Degree | | |
| | | | | M.Phil |
| 4.5. | D.V.N. and In | | M.U. | G.U. |
| 1. Dr. B.V.Nemade | | 1 | 3 | 3 |
| 2. Dr. S.S.Kulkarni | | | | 2 |
| 3. Dr. A.K.Joshi | | | | 2 |

iv) Visitors to the Departments

Dr. Madison Morrison, Fulbright professor of English, University of Oaklahoma, U.S.A. visited I Department on 28th and 29th June 1989. He gave two talks on Creative Writing

v) Participation in Seminars, Conferences etc.

Name of the participants

Seminars.

Dr. B. V. Nemade

Presented a paper "The Languagei Literature: Linguistic features and Stylistic features" in a Seminar on "Linguistic and Lib the Department of Linguistics, Univen of Bombay, February 22-23, 1990 at Bombay.

- 2. Delivered key-note address at a Seminar on <u>Jotirao Phule</u> organis(the school of Regional Studies, SI University, March 22-24, 1990. Koll
- 3. Read a paper on "Socio-Linguis a seminar on <u>Modern Linguistics</u> organised by marathi Sahitya Mahannandal, March 29-31, 1990 a Aurangabad (M.S.)
- 1. Participated In a course on Am(<u>Civilisation</u> organised by the Amer Studies Research Centre, Hyderal] march 5-31, IVO and was awardE prize for outstanding performance written examination.
- 2. Participated in the <u>Orientation C</u> from July 3 to 29, 1989 at Acaden Staff College, Goa University.

Smt. Anita Vashista

vi) Publications

1. Prof. B.V. Nemade

Article in English:

1. "Marathi Novel" in the Growth of the Novel in India, ed. P.K.Rajan (New Delhi, Abhinav Publicati, 1989) pp.119 - 144.

Articles in Marathi:

- 1. "Vidrohi Sahitya" (Theory) Ugawai Diwali number 1989, PP 129-39.
- 2. "Varkari Chalawalichi Avishkarshaili" Navabharat Diwali number 1989, pp.5-14
- 3. "Rustum Achalkhamb Yanchi Gavki" Anushtubh, Jan Feb 1990 pp.39-45.

vii) Contribution of the Department to the University activities:

Two students of the Departments Ms. Maya Sardessai, M.A. II and Ms. Shirlene Palha, M.A. part I participated in the All India Paper Reading Contest organised by the University of Poona on 8-9th February 1990 at Pune. They won a consolation prize.

viii) Other details:

1. Prof. B.V. Nemade

- Member, Executive Committee, Indian National Comparative Literature Association, Calcutta sir 1989.
- ii) Expert Committee in English, Yashwantrao Chavan maharashtra Open University, Nasik since 1
- iii) Delivered a lecture on the Regional Element in Literature at the publication Ceremony of Aboli, magazine of Dakshin Ratnagiri Sahitya Sangh, Sawantwadi, April 28, 1989.

- iv) Delivered a lecture on <u>Literary Magazines</u> at Ugwai Readers' Meet at Kolhapur January 15, 1990 an at Sangli, January 16, 1990.
- v) Delivered a lecture on language Spread and Konkani at Tenth Konkani Lekhak Sammelan, Pedne, Feb. 17-18, 1990 as Chief Guest of the concluding session.
- 2. Smt. Anita Vashishta
- 1. Review-article in Goa Today November 1989, entitled Aubrey Menem: Wit and Witches.

1.2 DEPARTMENT OF HINDI

(i) Teaching & Research Staff in the Department :-

- 1. Dr. A.K. Pandey, M.A., Ph.D., D.Litt., Prof. & Head, Dept of Hindi.
- 2. Dr. B.R. Mishra, M.A., Ph.D., Reader,
- 3. Dr. B.K. Sharma, M.A., Ph.D., Reader.
- 4. Dr. (Mrs.) Ishrat Bi Khan, M.A., Ph.D., Lecturer.
- 5. Dr. S.D. Tripathi, M.A., Ph.D., Lecturer.
- 6. Dr. R.N. Mishra, M.A., Ph.D., Lecturer.
- 7. Miss Chhaya Chodankar, M.A., Lecturer.

(ii) <u>Contributory Teachers</u>:

1. Dr. A.R Tripathi, M.A., Ph.D.,

Head, Dept. of Hindi,

St. Xavier's College, Mapusa-Goa.

 Dr. C.S. Tiwari, M.A., Ph.D., Head, Dept. of Hindi, Dhempe College of Arts & Science Miramar, Panaji-Goa.

(iii) Details of Research Students M.Phil & Ph.D.

| 1. Dr. A.K.Pandey | | 2 Ph.D. (B.U.) 3" " (GU) |
|--------------------|----------|-----------------------------|
| 2. Dr. B.R. Mishra | 1.M.Phil | 1 Ph.D. |
| 3. Dr. B.K.Sharma | | 1 Ph.D. |

(iv) Visitors to the Department:

 Dr. Abdul Bismillah, Wellknown novelist and Lecuturer in the Dept. of Hindi, jamia Millia Islamia University, New Delhi.

(v) Participation in Seminars, Conferences, Workshop: The

names and the list of seminars attended are given below: Dr:

A.K.Pandey participated and presented papers in the seminars held:

- a) "Makhanlal Chaturvedi Ki Patrakarita", held at Hyderabad in April, 1990.
- b) Paper was read in absentia at Jamia Millia on reporting in April, 1990.
- c) 'Sahitya Mein Rashtriya Bhavanatmaka Ekata ka Chetana Bodha, held by D.B.H. P.S. Dharwar in January, 1990.
- d) "Kavita ki Pahachan", held by Konkani Lekhaka Sammelan, Goa in Feb.,1990.
- e) "Aadhunik Hindi Upanyasonki shrijan Prakriya" held by Karnataka University Dharwad in Septerr 1989.
- Dr. B.R. Mishra participated in the following Seminars and presented papers:
- a) "Critical survey of Gurukul, by Dr. Devesh Thakur", held in Bombay in October, 1989.
- b) Participated in a work-shop held by Goa Shipyard, Vasco, in Apri1,1990.
- Dr. B.K. Sharma attended a seminar and presented paper on "Makhanlal Chaturvedi Ki Kahaniyon t Pragatishil Tatva" in March, 1990 at Hyderabad held by D.B.H.P. Sabha.
- Dr. Ishrat Bi Khan attended the Orientation Course in November,1989 held by Academic Staff collec Goa University.
- Dr. S.D. Tripathi participated and presented papers in the following seminars:
- 1. "Prasad Sahitya Mein Pranaya Ke Praroop", held by the University of Bombay in March, 1990.
- 2. 'Gurukul'by Devesh Thakur held in Bombay in Oct., 89.
- Dr. R.N. Mishra participated in a Seminar on "Teachers' Motivation" held by Govt. College, of Arts Science and Commerce Sanquelim, Goa in January, 1990.

(vi) Publications:

Dr. B.R. Mishra:

- 1. "Swatantryottar Hindi Sameekshasiddhanta" (Book under publication) under U.G.C. grant schenby Lok Bharati, Allahabad.
- Critical survey of the book "Manmali saundarya" by Rohitasha, published in 'Poon Kumbh', Hyderabad.
- 3. Critical survey of "Gurukul' by Devesh" published in Roopambara, Calcutta...

Dr. B.K. Sharma:

- 1. "Dakshini Hindiki Gadya parampara" in Poon Kumbh'.
- 2. "Prasad Ki Kahaniyon Mein Romantic Mulya Aur Yatharth Chetana", Poon Kumbli special issue.

Dr. Ishrata Si Khan

A book on historical research of Hindi Literature is under publication by Abbinava Prakashan, Kanpur

Dr. S.D. Tripathi:

- 1. "Kahanikar Makhanlal Chaturvedi", in "Maharashtra Manas", Bombay.
- 2. Prasad Sahitya Mein Pranaya ke Roop, in collection of papers by University of Bombay.
- 3. "Renu ki Prakhyat Kahaniyou" -in a collection published from patna, Bihar.
- 4. "Neela Chand: Kitana Dhawal, Kitana Neela in Shiva Prasad Abhiwadan Grantha", etc. by Dr. Shasl Bhushan 'Sheetansh.
- 5. Three articles series on "Mumbai Hindi Rang manch Mein Prithvi theatre ka yogdan in Hindi daily 'Jan Satta' Bombay.
- 6. Ten Papers series on "Mumbai Ka Hindi Ranga Manch"in Hindi daily Tansatta.

Dr. R. Mishra

"Dr. Shiva Mangal Singh Suman Ki Kritiyou Ka Sameekshatmak Addhyayan (book) Pub: Sahitya Ratnakar, Kanpur.

1.3 DEPARTMENT OF KONKANI

(i) Teaching & Research Staff

- a) Dr 0.J.F. Gomes, Portuguese Lyceum, M.A., Ph.D. professor & Head.
- b) Mrs. PS. Tadkodkar, M.A., D.H.E., Lecturer in Konkani.

(ii) Research Projects

- 1. Entitled "Reconstruction of Konkani literature" is in progress "Suo motu" expecting it to sponsored by UGC, for which application submitted already, for publication of reconstructed and edil texts of old Konkani classics in particular.
- 2. The reconstruction of Manuscript of "Doutrina Christa" in Devanagiri, the source-book of konk prose and one of the earliest extant books in any Indian Language. "(first Pub. 1622) edited with gloss etc. which is awaiting publication, of about 100 and old pages".
- 3. Similarly, work is at the final stage in unravelling and reconstruction of Manuscript of "Decl Ekangra Bollinim" (Divine Soliloquies) a konkani version of an European classic first published in 11 (about 300 printed pages).

- 4. Reconstruction and editing of 'Eva and Mori' and epic, long narrative poem of 1001 lines of Edua Bruno de Souza (1st published 1989) is completed and awaits publication.
- 5. Work is in progress on reconstruction of one of the five volumes of the famous konkani cla "Vonvallyanhcho Mollo" of Miguel de Almeida (The complete work being in 5 volumes) from its old arch script.

(iii) Visitors to the Department

- 1. Dr. Pramod Kale, Scholar of American Institute of Indian Studies, visited the Department acquainted himself with its activities.
- 2. Mr. C. F. D'Costa, the Sahitya Akademi Award Winner, Konkani poet and playwright fr Mangalore(Karnataka) visited the Department.
- 3. Prof. N.N. Anandan, from Allepey, Kerala, teaching Malayalam in a College of the University of Kei and Member of the Advisory Board for Konkani of Sahitya Akademi, New Delhi visited the Department C discussed the structure and content of the various courses of Konkani at the under and post-gradu level.

(iv) Visits abroad:

Selected in an open competition among Professors/Deans/Deputy Vice-Chancellors of UniversitieE the Common-Wealth for an Award of a Senior Travelling Fellowship for 1990 by the Association Commonwealth Universities, London, Professor Games visited the Universities of London (SO etc.) Oxford, Edinburgh, Ulster at Coleraine and Londenderry, University of Wales at bango and Car and Dubling to study the structure and organisation of languages of departments/schools of literati linguistics and their course content, research and teaching methodology. One the way back visited PE and its 'Bibliotheque Nationale' and 'Rome's Biblioteca Casanatense" where some old Konk manuscripts were located.

(v) Participated in Seminars, Conferences, Workshops, etc.

I) Dr. O.J.F. Games:

Prof. Games participated as member of the Executive **Board of the Sahitya Akademi New Delhi, in deliberations at the** national and regional level including chairing of the meeting of the Akademi's Boarc Konkani for developing programmes of translations, compilations, anthologies in Konkain and exchangE literary works among Indian Languages for publications.

- ii) Participated in the International Seminar on the 'Narrative' in February, 1990 organised by Sahi Akademy New-Delhi considering various genres of literature & artistic expression.
- iii)Conducted a Seminar on "Ravindra Kelekar and his writings" in Konkani for senior students of S Parvatibai Chowgule College, Margao-January, 1990 under UGC sponsored programme.
 - iv)Participated in the National Symposium of Poets AIR Goa 26th January, 1990.
- v) Conducted Konkani Classes and presented papers at the Konkani Shikshak Sanad Teach Scheme organised by Konkani Bhasha Mandel in Margao and Panaji, evaluating their answer books also
- vi)Addressed meeting and study groups of the Pastoral Council, Goa Archodiocese on pedagogical and cultural aspects of education in Konkani at the primary level, conscientizing them in t direction.

(vii) Paper entitled "The Konkani Language - a socio - linguistic Review" was presented at a Seminal Regional Languages held at Patna, Bihar in November 1989.

2) Mrs. PS. Tadkodkar

- i) Attended All India Konkani Writers Meet at Pernem, Goa.
- ii) Participated in the Seminar on "Aspects of Biography and autobiography in Marathi Organised Marathi Department of the Goa University.
 - 3) Prof. O.J.F. Games and Mrs. Tadkodkar.

Participated in the seminar on Konkani linguistics and lexicography - March - April, 1990 panaji-Goa.

vi) Publications: The Department has prepared:

- Dr. Gomes's research paper on 'Gramatical studies in Konkani: a critical overview" was publishel the "The South Language Review" in USA February, 1990.
- His critical research article entitled "On the crest of a wave "giving the annual survey of Kona Literature in all scripts, was published in "Indian Literature", official Literary bimonthly of Sahitya Akad(New Delhi, November, December issue, 1989.
- His notes on several topics relating to Konkani Literature were published in Vol.III of "Encylopaedi, India Literature" of Sahitya Akademi, New Delhi.

His "The Economic Blockade of Goa: its implications and consequences" - and extensive pa presented at a Seminar, was published as a booklet/off-print of "Boletim" of Institute Menezes Bragar Panaji issue No. 159 of 1989.

- "Eugene O'Neil "Dramatist of Modern Tragedy a researched article on O'Neil and his work of nature of Literary criticism published in "Kullagar" Konkani monthly magazine December, 1989.
- Book review Article on Lambert Mascarenhas's "The Greater Tragedy "entitled Freedom and Aft was published in "The Toronto South Asian Review "Vol 8 number 1 Summer 1989 Toronto, Canada.

Mrs. P.S. Tadkodkar's

- 1. Her article on "Origin of Tragedy and its concept", published in 'Kirna' Konkani magazine 1989.
- 2. Articles on 'Arun Sakhardande's poerns" and another book "Konkani Samikshan Tatva Ani Pra published in "Vangadi" 1989.

10. Dr. O.J. F Games:

- Served as member of a sub-committee constituted by the Academic Council in respect of restructuring of Post-graduate courses.
- Served as a member of the Advisory Committee of the Government College of Arts & COMME Khandola, Marcel-Goa, as University representative and participated in one of its meetings.
 - Continued to serve as a member of the Court of the University.

- Served as a member of the Court of the University to inspect the facilities for teaching, inter alia, o subject of Konkani, in the Ponda Education Society's College of Arts & Science. Farmagudi Ponda submitted a report on the matter.
- Served as a member of Library committee during the year. Mrs. Tadkodkar attended South 2
 Youth Festival at Udaypur, Rajasthan, as a manager of Goa University Youth Team in October, 1989.

vii) Any other details

Dr. O.J.F. Gomes:

- i. Served as one of the national coordinators of "Encylopaedia India" Project of the M.P. E Foundation Calcutta, on Konkani Language & Literature and also contributed two major entry notes to ii
 - ii. Contributed several notes to the Konkani Encylopaedia of the Goa University.
- iii. Tendered detailed written advice on the medium of Primary education in Goa to the Governmer Goa, Directorate of Education, on their invitation.
- iv. Delivered talks at AIR Goa. Bombay and Mangalore on specific themes in Konkani poetry and ol literary topics including grammatical and lexicographic work in konkani.
- v. His translation of the select poems of the Portuguese poet Fernandeo Pessoa has been finalised publication.
- vi.Reviewed and evaluated books for the Sahitya Akademi, New Delhi, and for the Ministry of Hur Resources Development (Department of Education) new Delhi.

Mrs. PS. Tadkodkar

- vii. The Konkani translation of the famous Bengali novel "Anandmath" of Bankimchandra Chatterjee been done by Dr. Gomes and is due for publication by Sahitya Akademi, New Delhi.
- viii. Translation of a book entitled "Indian Poetics" from Marathi into Konkani iS in progress.
- ix.Contribution of an entry-note on Bakibab Borkar's to the M.P. Birla Foundation's "EncylopaE India"

1.4- DEPARTMENT OF MARATHI

i. Teaching and Research staff in the Department

1. Dr. P.B. Wader M.A., Ph.D.

Prof. & Head

2. Shri S. D. Komarpant M.A.

Lecturer

3. Shri V.D. Sawant M.A., M.Phil.

Lecturer

ii. Contributory Teachers

Shri S.S. Nadkarni Lecturer & HOD in Marathi Dhempe

College of Arts & Science, Miramar,

Panaji

16 Lectures During the second term.

Shri K.M. Sadre Lecturer and HOD in Marathi St.

MΑ Xavier's College, Mapusa-Goa.

20 Lectures 10 in the first & 10 in the second tern

iii. Details of Research students Ph.D. Students

Submitted Name of the Teacher No. of Students

(Guide)

Dr. PB. Wader 5 2

HOD Marathi

iv) Visitors to the Department

1. Dr. Chandrashekar Jagirdar

2. Dr. V.B. Prabhudessai

3. Dr G.M. Pawar

v) Participation in Seminar, Conference, Work-shop etc.

I) Dr. P.B. Wader, HOD -

Presided and gave a talk on Moder(15th October 1989

Marathi Literature at the birth Anniversary of "Gomantakachi Asm

(A Fortnightly) at Ponda.

6th August 1989 Participated in the Symposium organ

> by Gomantak Marathi Akademy Pan and gave a talk on 'Avail" by Dr. Vitl

Thakur.

18th February 1990 Participated as resource person in ti

> work-shop on 'Marathi Short story organised by Gomantak Marathi

Akademy, Panaji.

14th March 1990 Participated in the symposium on

> 'Prabhanjan a novet by Shri Naray Athawale, organised by Gornantak

Sahitya Sevak Mandal, Panaji.

25th March 1990 Participated in the symposium on 'F

> short story writers' organised by Gomantak Marathi Akademi Panaj

| 27th | March | 1990 |
|----------------|---------|------|
| 4 / U I | IVIAIGI | 1330 |

Participated in a workshop in poetr organised by Gomantak Marathi Ak Panaji.

(II) Shri S.D. Komarpant

15th August 1989

Talk on "Bharatkar Hegde Desai" 01

40th Death Anniversary organised t 'Kudchadem Samskar Kendra at

Kudchadem.

6th August 1989 Participated in a symposium on six

organised by 'Gomantak Marathi

Akademi at Panaji.

16th December 1989 Participated in the Seminar on

"Women's contribution to Marathi Literature" organised by Maharasht Information Centre at Panaji.

28th January 1990 Participated in the seminar on "Soc Awakening in Goa" organised by

"Gomantak Marathi Akademi" at

Sanguem.

5th February 1990 Talk on "The poetry by Keshvsut"

organised by Smt. Parvatibai Choy

College, Margao.

18th February 1990 Participated in the seminar on

'Contribution of Marathi to Goa cult organised by, 'Gomantak Marathi

Akademy at Shiroda.

12th & 13th March 1990 Read a paper in the Seminar on

"Autobiographies in Marathi" orgar by Goa University & Gomantak **M4**

Academy.

14th March 1990 Participated in the symposium on ti

Novel 'Prabhajan' by Shri Narayan Athawale organised by Gomantak Sahitya Sevak Mandal at Panaji.

Research

7th January 1990 Submitted the thesis entitled "Mara

Poetry - 1920 to 1945 - A critical sti for the ph.D. degree under guidan

Dr. P.B. Wader.

Articles

3rd September 1989 Appreciation of four poems in Gomanta

(Daily)

17th December 1989 Poetry by Indira Sant Gomantak (Daily)

(III) Shri V.D. Sawant

1st August 1989 Delivered a lecture on "Literature and

social Renaissance" at Ponda, Goa.

12th & 13 March 1990 Read a paper in the Seminar on

"Autobiographies in Marathi", organised by the Department of Marathi, Goa University and Gomantak Marathi Academy at Goa University, Bambolim.

25th March 1990 Delivered a lecture on "Marathi short

story after 1945" in the symposium organised by Gomantak Marathi

Academy at Panaji.

7th January, 1990 Participated in Literary meet arranged b

Gomantak Marathi Academi at Mulgao.

28th January 1990 Participated in Literary meet at Sanguer

18th March 1990 Participated in Literarynneet at Panaii.

Contributed articles on Modern Marathi Poetry to the Encyclopaedia of Marathi Literature, under preparation by Sahity Sanskriti Maridal, Maharashtra State.

1.5 DEPARTMENT OF FRENCH

(i) **Teaching staff**

1. Dr. M.L. Sardessai Coordinator and Head of the M.A. (French) Department till January 1990 Ph.D. (French)

2. Dr. Belinda Fernandes Lecturer

M.A. (French) Ph.D. (French)

(ii) Visiting Teachers

- 1. Dr. Manohar L. Sardessai lectured as a visiting teacher from February 19-0 on Paper IV (Middle Agi & Renaissance literature in France).
- 2. Dr. Jean Marc Guere, Director of the Alliance Francaise in Goa lectured on paper VIII (Translatk and Interpretation) and conducted classes in French conversation.

(iii) Visitors

- 1. Dr. Fernand Bentolila, Professor of Linguistics in the Rene Descartes University, Paris visite: Department.
- 2. Miss Neelambai Store and Miss Marianne from Paris(France) visited the department on behalf (French Embassy in India. They conducted an audio-visual class for M.A. Part I & II students of French offered books and posters to the department.

(iv) Participation in Seminars, Conferences, Workshops, etc.

Dr. Manohar L.Sardessai

(i) Organised a seminar on the Bicentenary of the French Revolutio the Goa University premises in Octol 1989.

Dr. Belinda Fernandes

(i) Inauguratc.c1 the activities of the Luso-French Association of St. Xavie College, Mapusa in August, 1989.

(ii)Attended and assisted in organis seminar on the Bicentenary of the Revolution in the Goa University premises in October 1989

(iii) Attended a seminar on linguistic: organised by the Alliance Français in Goa in March, 1990.

1.6 DEPARTMENT OF PORTUGUESE.

1) Teaching staff.

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

Lecturer

Visitors to the department

- 1) Dr. Jose Maria Tavares de Andrade. Professor of Social Anthropology of Universidade Feder Paraiba Brasil
 - 2) Rev. Dr Nicolau Pereira Principal of St. Xavier's College, Mapusa.
 - 3) Rev. Dr Ivo Mascarenhas, ex-Vice-Principal of St. Xavier's College, Mapusa.
 - 4) Mr Jose Rvi de Oliveira Pegado, Librarian of Universidade Catolica Portuguesa, Lisbon.
- 5) Dr Carmen Radulet, Associate Professor of Portuguese Language and Literature of Universi Viterbo, Italy.
- 6) Dr. Jose Miguel Ribeiro lume, Director of "Centro de Estudo Portuguese and Reader of Portugue Universidade de Asia Oriental, Macau and "Coordenador Pedagogico los Leitorades de Portugues na Asia'

- 7) Dr. Raul Borges de Andrade Pissassa Reader of Portuguese in the University of Foreigh Languag of Befin (Peguim), China
 - 8) Dr. Antonio Vascoreelos de Saldanha Prof of Ciencias Historico-Jusidicas of the University of Lisbo
 - 9) Mr. Mohan Sivanand, Assistant Editor of Reader's Digest.

3) Visits Abroad:

Dr. Velho was invited to participate in the IVth International seminar on "PORTUGAL E AS RELAGOE INTERNACIANAIS" at Lisbon and Oeiras in May 90. The seminar was organised by MEDEC (Missao Estudo para o Desenvolumento e cooperacao) and UCCLA (Union of Portuguese speaking cities aroul the world). Dr Velho's trip was sponsored by FUNDACAO ORIENTE.

In Lisbon, Dr.Velho was offered a small grant by 'CALF (Institut' de Cultura e Lingua Portuguesa) order to enable her to contact various Universities and centers of teaching linked with the field of researct

4) Participation in Seminars, Conferences and Workshops.

- 1) Dr. Maria Selma de Vieira Velho, participated in the IV international Seminar in PORTUGAL E RELAGUES INTERNACIONALS and presented a paper on A EVOLUCAO CULTURAL DO MUNC LUSOFONO.
- 2) The student of ENTIRE PORTUGUESE MA Part I, Mr Sovon K. Sanjal participated in 2nd SEMINi ON LINGUISTICS organised by the French Embassy, Alliance Francaise de Goa and the Department French at Goa University in March 90.

Publications:

The Influence of Portuguese Language in Asia" a paper published by Hispanic Horrizon, Oct, 89 quarterly magazine of Jawaharlal Nehru University.

Contribution to co-curricular activities

Dr. Velho was invited to review the standard VIII text-book of Portuguese by the Board of Studies Secondary and Higher Secondary Levels of the Directorate of Education of Goa".

Dr. Velho conducted a series of meetings with various member of the Secondary and Higt Secondary Boards of Portuguese Studies and organised a project for the re-orientation of methodologi of teaching for Secondary and Higher Secondary Teachers of Portuguese in collaboration with the Cultu Department of the Embassy of Portugal. The Phase I of the Project has already been implemented.

1.7 **DEPARTMENT OF ECONOMICS**

1) Teaching staff

i) Dr. M.A.Shahi M.A.(Hons), M.A. (Mysore) M.A.(Chicago) ph.D.(Kent) F.S.S.(London) Professor and Head of the dept.

ii) Dr. A.R.Padoshi M.A., ph.D. .

Reader

iii) Mrs. S.M. Noronha M.A., D.H.E.

Lecturer

iv) Shri E.D'Souza M.A.

Lecturer

2) Contributory teachers.

 Principal V.R.Shirgurkar
 P.Chowgule College Margao-Goa.

3) Research Students

Name of the Teacher (Research Guide)

| | Full time | Part time | Total | Universit |
|--------------|------------------|-----------|-------|-----------|
| 1. | Dr M.A. Shahi | 1 | 3 | 4 Goa |
| 2. Bombay | Dr. A.R. Padoshi | Nil | 5 | 5 |

4) Publications:

Dr. M. A. Shahi Published

1. "Sector Shares and Economic Development- A Re-Examination of the Cross-Section Evidei Published in the Asian Economic Review Vol XXXI No. 3, December,1989.

Dr A. R. Padoshi Published

- **1. Article "India's Tryst** with Economic Growth" in `Jawarharlal Nehru: Legacy and Legend" Publi: **by Kumaon** University **Nainital, 1989.**
- 2. Article "Regional disparity in Economic Development: A case study of Goa, Daman and published in "Current Trends" in Development Planning", Criterion publications, New Delhi, 1989.

S. M .Noronha Published:

1. "The Economic Scene in Goa, 1926-61" published in volume II of "Goa through the Ages Economic History" edited by Dr.T.R. de Souza and published by Concept Publishing Co. New Delhi, 19E

Errol De Souza Published:

1. "Restating Arguments on Intellectual property Rights" Co-authored, with Peter de Souza Econi and Politic:al weekly, May 26, 1990.

v) Visitors to the department

- 1. Dr. M. Madaiah. Mysore University
- 2. Dr. T.K. Meti, Karnatak University
- 3. Dr. G.C. Da Costa, University of Bombay
- 4. Dr. R. Bharadwaj, University of Bombay
- 5. Dr. C.B.Tigdi, Karnatak University
- 6. Dr. H.G.Hanumappa, Institute for social and economic change
- 7. Dr. Theresa Barretto Xavier, Lisbon, Portugal.

vi) Participation in Seminars, Conferences and Workshops

| Name of the participants | Seminars, Conferences & Workshoi |
|--------------------------|---|
| Dr. M.A. Shahi | 1. 72nd Annual Conference of the Ind Economic Association at Trivandrum, Kerala. |
| Dr. A.R. Padoshi | 1. 12th Annual conference of Marathi Arthashastra Parishad at Nagpur Nov, 1989. Presented a paper on "Poverty Alleviation Programme in Indian Evaluation". |
| 2. | Forty ninth Annual Conference of ti Indian Society of Agricultural Econom at Bombay, December 1989. |
| 3. Mrs. S.M. Noronha | 1. Attended a 3eminar on "Western Ind' Political Thought" (19th and 20th Centi at Goa University Bambolim, Goa und the auspices of the political science department of Goa University and thE Western Regional Center (ICSSR) Bombay, on 15-16th Jan, 1990. |
| 4. Shri Errol D'Souza | 1. "Tourism in Goa-Socio-Economic Impact," organised by Goa Research Institute for Development on Sept, 24, 1989, presented a paper. |
| | 2. "Citizenship", subjectivity and Democratic, Theory, organised by American Studies Research Centre Hyderabad, from 20-23 November, 1c Presented a paper. |
| | 3. "Political thought in Western India' (19th and 20th Centuries)" organised Department of Political Science, Goa University 15-16 Jan, 1990. |

vii) Any other details:

1. Dr. G.V.Kamat Helekar Memorial Lecture: delivered by Professor G.C.Da Costa on "Internatl Debt Crisis"

- 2. Dr. Shahi also served as external examiner for Ph.D. degree in Bangalore University.
- 3. Dr. Padoshi evaluated two M.Phil thesis and one Ph.D. thesis.

1.8 DEPARTMENT OF HISTORY

(i) Teaching and Research staff:

(a) Dr. B.S. Shastry MA., Ph.D.

Professor and Head

(b) Dr. K.M. Mathew M.A., Ph.D.

Lecturer

(c) Dr. Pratima P. Kamat M.A., Ph.D.

Lecturer

(d) Dr. N. Shyam Bhat M.A., Ph.D.

Lecturer

(e) Mr. Xavier Martina M.A.

Research Assistant

(ii) Contributory Teachers:

- (a) Dr. PD. Xavier, M.A., Ph.D., BEd. Head of Dept. of History, Dhempe College of Arts & Science, Miramar.
- (b) Mrs. PS. Antony, M.A., Head, Dept. of History, Chowgule College, Margao, Goa.
- (c) Dr. Joseph Barros, M.A., Ph.D. D.Litt. General Secretary, Institute Menezes Braganza, Panaji, Goi
- (d) Dr. TR. de Souza, S.J.M.A., Ph.D. Director, Xavier Centre of Historical Research, Porvorim, Goa
- (e) Fr. Lourdino Barretto, Director, Dept. of Western Music, Kala Academy. Campal, Panaji, Goa.

Research students (iii)

Name of the Guide (a) Dr. B .S. Shastry (b)Dr. K. M. Mathew No. of Students for Ph.D. Two (+ one completed) Three (+ one submitted)

Orientation/Refresher courses.

(a) Dr. Pratima Kamat

Completed a Refresher Course in Hist on the theme of World Revolutions organised by The Academic Staff College University of Calicut, from 10 to 31st January, 1990.

(b) Dr. N. Shyam Bhat

Attended an Orientation Course organised by the Academic Staff College, Goa University,3rd to 29th July, 1989.

(iv) Research Projects

- (a) Dr. B.S. Shastry (Jointly with Dr. T.S.S.Rao, Head Dept. of Marine Science and Biotechnology), wi a grant of Rs. 50,000/- from the Indian Council of Historical Research, New Delhi. The theme of the ProjE is "Maritime Policies and the state of the knowledge of the seas in Portuguese Goa, 1510-1961. The grar is for two years, namely 1989-1991. Mr Xavier Martins is associated with the project as Research Assista
- (b) Publication Project entitled "Goa Through the Ages" in five Volumes with the Vice Chancellor General Editor Other editors are: Dr.T.R.De Souza, Dr. RPShirodkar, Dr. Joseph Barros and Dr. B.S. Sha Volume II edited by Dr. de Souza is already Published.
- (c) Dr. N. Shyam Bhat is working on a project entitled "judiciary and Police in Early Colonial so Kanara, 1799-1862, with a research grant of Rs, 10,000/- for one year, i.e. 1990-91, from the ICHR, N Delhi.

(v) Visitors

- (a) Dr(Ms) Margaret Bakos of the University of Rio Grande do Sul, Brazil, 27-1-1990. Spoke on "Slav in Rio Grande do Sul" to the students and the staff.
- (b) Prof. Bipan Chandra, Jawaharlal Nehru University 10-3-1990. Spoke to the students on the Ind National Movement.

(vi) Visits Abroad.

Dr. B.S. Shastry visited U.A.E. and participated in an International Seminar on "Indo-Arab Relatic from "Early Times to the coming of the British", 17-19 March 1990, organised by the Documentaries E studies Centre, Govt of Ras Al Khaima, U.A.E. Presented a Paper entitled "A Century of Sea Trade betw(Portuguese, Goa and Houmuz, 1510-1662."

(vii) Participation in Seminars. etc. and presentation of Research papers.

(a) Dr. B.S.Shastry

- (a) Attended a two-day seminar on 'National Integration with special Reference to Tipu Sultan', University of Mysore, 23-24 September 1989. Presented a Paper entitled "Tipu Suite and the 'Conspiracy' of the Pintos of Goa in 1787. Presided over (a) the forenoon session on 24 Sept. and (b) the valedictory Function in the eyeninc of the same day.
- (b) Attended a three day National Seminar on the 'Jesuits in India An Historical Perspective". Xavier Centre Historical Research, Porvorim, Goa, 2-4-November 1989. Presented a pap entitled "Marques de Pombal and the Jesuits of Goa: as reflected in the Documents of Goa State Archives".
- (c) Attended a two-day seminar on "Political Thought in Western India: 19th and 20th centuries", Dept. of Political Science. Goa University, 15-1

January 1990. Presented a paper of "Political Thought of Francisco Luis Gomes: A Note".

- (d) Attended a two-day seminar on "Karwar Through the Ages", Karwar, 10-11 Feb 1990. Presented a paper entitled "Arab Portuguese Involveme Along the Coast of the Karwar Distri 1700-1764". Presided over the 2nd session of the seminar. Chief Guest the Validictory Function".
- (e) Attended the 4th Seminar on the History of Goa, organised jointly by Department of History and the Directorate of Archives, Archaeologl and Museum, Govt. of Goa, 27-28 Fl 1990. Presented a paper entitled "Gl and Brazil: Economic Links: 1700-17 A.D."
- (f) Attended the 11th Annual Confer(of the Place-Names Society of India, Mysore, 1-3 March 1990, hosted by Dept. of History; Goa University. Dr. Shastry was its Local Secretary.
- (g) Attended a three-day Internation Seminar on "!ido-Arab Relations fro Early Times to the coming of the Brit 17-19 March 1990, organised by the Documentaries and studies centre, (of Ras Al Khaima. U.A.E. Presented1 Paper entitled "A Century of Sea Tra(between Portuguese Goa and Horm of 1510-1622".
- (i) Attended a two-day seminar on Political thought in Western India: 19 and 20th centuries organised jointly the ICSSR, Western Regional Centre Bombay and Dept. of Political Scien1 Goa University, 15-16 January, 1990.
- (ii) Attended the 4th seminar on the "External Relations of Goa" organise jointly by the Directorate of Archives Archaeology and Museum, Govt. of Goa and the Dept. of History, Goa University at the Directorate of Archil Panaji, 27,28 Symposium on India al Brazil.
 - (iii) Attended the 11th Annual Confer of the Place Names Society of India assisted in organising it under the auspices of the department of Histor

(b) Dr. K.M.Mathew

(c) Dr. Pratima Kamat

- 1-3 March 1990. Member of the Organising Committee.
- (i) National Seminar on Jawaharlal Net and India's Foreign Policy organised b the Academic Staff College, University Calicut, from 5th to 7th June, 1989. Pal presented: Pandit Jawaharlal Nehru an the Liberation of Goa".
- (ii) Interdisciplinary Seminar on "Island of the North Indian Ocean" organised I the Department of Geography, Univers of Bombay and the ICSSR (WRC), Bombay at the Department of Geograpl University of Bombay, from 22nd to 231 July, 1989.
- (iii) Workshop on "Ocean, Religion and Archaeology" organised by the Nation Institute of Oceanography (Marine Archaeology Unit), Panaji on 5th Augu; 1989.
- (iv) Seminar on the Report, "tourism in Goa Socio-Economic Aspects" organised by GRID at Goa University a 24th September, 1989. was a resource person.
- (v) Seminar on "Political Thought in Western India" organised by the Dept of Political Science, Goa University and ICSSR (WRC), Bombay at Goa UniverE from 15th to 16th January, 1990. Pap(presented in absentia: "The Swadeshi Ideology of Fr. Alvares: Some Reflection,
- (vi) Seminar on "The History of Karwar District and the Surrounding Areas organised by the Sagardeep Research Foundation at karwar from 10th to 1191 February 1990. Paper presented "Popu Reaction to the Religious Policy of the Portuguese in Goa: The case of Kunkoili was the Chairperson of the second session on 11th February 1990.
- (vii) Fourth seminar on Local History (Goa) organised by the directorate of Archives, Archaeology and Museum, Government Goa; and the DepartmE of History, Goa University, at the Directorate of Archives, Panaji, from 27 to 28th Feb, 1990. Also participated in th Symposium on India and Brazil held at tl Directorate of Archives Archaeology ar Museum on 28th February, 1990. pap(

presented at the Seminar: "Luso-B Relations vis-a-vis Goa: Some reac to the Ranne Revolts of 1852 and

- (viii) Eleventh Annual Conference c Place-Names Society of India orga by the Department of History, Goa University, at the campus from 1st1 March, 1990. Paper presented: "Sol Reflections on the Etymology of thi Place-Name Goa'.
- (ix) Seminar on Konkani Linguistics Lexicography organised by the Kor Lexicon, Project, Mangalore, at Jes House, Panaji, from 31st March to . April, 1990.
- (d) Dr. N.Shyam Bhat. (i) Attended seminar on Tipu Sultan organised to Dept. of studies in History, University Mysore, 23 & 24th September, 1980. Presented a research paper entitled "Tipu Sultan's Relation-ship with the Native Chiefs of South Kanara and Impact".
- (ii) Attended a seminar on Western Political Thought (19th and 20th cer jointly organised by the Dept. of Pol Science Goa University, and ICSSR (WRC), Dept. of Political Science, G University, 15 & 16th January 1990 Presented a paper on "Political Tho and Politics of Mohammad Ali Jinna Review".
- (iii) Attended a seminar on the Histor Karwar District and Surrounding Art jointly organised by Sagardeep Res Foundation and Konkani Bhasha and Sanskruti Kendra, Karwar, 10th & 11 February, 1990 and presented a respaper on "Sir Thomas Munro's Lant (Revenue System in Kanara 1799-18 A critique.
- (iv) Attended the fourth seminar on History (Goa), on "External Relatior Goa" and Symposium on "India an Brazil" jointly organised by the Directorate of Archives, Archaeolog and Museum, Goa and the Dept. of History, Goa University, at the Archi 27th & 28th February, 1990.
- (v) Attended the Eleventh Annual conference Place-Names Society of

Dept. of History, Goa University, 1-3rd March 1990 organising the seminar.

(VIII) Publications:

'(a) Dr. B.S. Shastry

(i) Books of Dr. Pissurlencar c Bibliography by self and VR. Nay edited jointly 3 volumes. Goa University Publicatic series Nos 3-5. Bambolim, 1989.

(ii) <u>Articles</u>
(a) Commercial Policy of the Portuguese Coastal Karnataka: Sixteenth century, Dr. B.Sheik Ali Felicitation volume, New Delhi, Mittal Publicatins, 1989.

- (b) "Land Holdings under the Commun dades of Goa: An Historical Perspectivi In Proceedings of the Indian History Congress, 49th session, Karnataka Uni rsity, Dharwar, 1989.
- (c) "The Church and the Village Life in Goa: an Eighteenth century scene", Studia, No,49, lisbon, Centro de ETU⁻di:1m de Historia e Cartografia Antii 1989,pp. 115-38.
- (i) "Historical Geography and Natural Resources", In Goa Through the Ages, Vo1.11 An Economic History, ed, T.R. de Souza. new Delhi: Concept Publishing Company, 1990 pp. 1.54.
- (i) "The Munro System: Land Revenue Administration in South Kanara (1799-1800)" In studies in Karnataka History and Culture, vol. III, karnataka History Congress Bangalore, 1990.

(b) Dr. Pratima Kamat

(c) Dr. N. Shyam Bhat

(IX) Other Activities.

- (a) Dr. B.S.Shastry was Director of the Directorate of Students' Welfare and cultural Affairs, G University from 16 September 1989 to 19 June 1990.
- (b) Dr. K.M.Mathew was Reader, looking after the academic activity of the Academic Staff College, G University from April 1989 to November 1989.

1.9 DEPARTMENT OF POLITICAL SCIENCE

(i) Teaching Staff.

1. Dr. Adi H. Doctor M.A., Ph.D.

Professor & Head of the Department.

2. Dr. M.J.Audi M.A., Ph.D.

Reader

3. Dr. Peter R.De Souza M.Sc., M.Phil., D.Phil

Lecturer

4. Shri Mohan Sangodkar M.A.

Lecturer

5. Ms. Shantishree Pandit M.A., M.Phil.

Lecturer

(ii) Visitors to the Department

Mr. Sturgis G. Robinson, Vice Consul, USA visited the department on 11th April 1990.

The Department arranged a series of lectures by eminent citizens from different walks of life du, 1989. The following addressed the P.G, students.

- a) Mr. P.K.John, Director of Fire & Emergency Services Panaji-Goa.
- (b) Dr. J.C. Almeida, Chairman, Goa Public Service Commission, Panaji.
- (c) Mr. Jagdish Wagh, UNI correspondent Panaji, Goa.
- (d) Mr. M.M.Mudaliar, Editor, Navhind Times Panaji, Goa
- (e) Prof. R.S. Morkhandikar, Head, Politic:al Science Department, Marathwada University, Aurangabac

(iii) Participation in Seminars, Conferences, Workshops

Name of the Participants

Seminar, Conferences etc.

1. Prof., Adi H. Doctor

- 1. Organised in collaboration with Western Regional centre (icssp), Boml a seminar on Western India Political Thought, 15-16 January 1990. Present, a paper on <u>Dadabhai Naoro'i's</u> Legs Constitutionalism and National secular
- 2. Presented a paper on Civil <u>Disobedience in AmericaTiPolitical</u> <u>Thought</u> at the Seminar on citizenship subjectivity a Id Democratic Theory "The American contribution" organise by the American Studies Research Centre, Hyderabad, 20-22 November 1989.
- 3. Gave lectures on the themes of Secularism and Equality at the UGC sponsored orientation course conduc by Marathwada University, Aurangab4 20-21 October 1989.

2.Dr.M.J.Audi

3. Dr. Peter R. De souza.

- 4. Participated in the Seminar on "IntE ewing Skills" organised by the Staff Selection Committee of the Western Regional Centre, Government of Indi, at Hotel Mandavi, Panaji 1-2 February 1990.
- 1.Presented a paper on Lokman a Ti An appraisal, at the seminar on 'Wes India Political Thought" organised 13) the Political Science Dept. of Goa University ant! the WRC Bombay, 15-January 1990.
- 1.0rganised for the American studies Research Centre, Hyderabad, an International Seminar on citizenship Subjectivity and Democratric Theory Presented a paper on <u>undermining th</u> Rational Citizen: Herbert A. Simon.
- 2. Participated in the International Polit Science Association meeting on Democratic Theory. Presented a papE on A Bandh as a democratic activity
- 3. Presented a paper on Reflections Decolonization and participated in the seminar on western India Political Thought, organised by the Political Science, Dept. of Goa University and WRC (ICSSR), BOMBAY 15-16 Janu 1990.
- 4. Participated in the International Seminar, organised by the Max Mulle Bhavan, New Delhi on Rationality, Religion and Domination in Max Web Presented a paper on The Rationizin Imperative and Democracy.
- 5. Participated in the International seminar organised by the ID PAD (Indo Dutch programme for Alterna' Development) at Nehru Museum, Ne Delhi on State & Society, changing relations between state and society India and Tref ids towards an emergii **European** State.
- 6. Gave guest lectures on a) The idea of Democracy b)Realisticand Neo-classical TheoriE of Democracy and c) Science, values and Democratic Theory at Mangalore University, Mangalore March 1990.
 - d) Gave a guest

4. Mr. Mohan Sangodkar.

1. Ms. Shantishree Pandit

iv) Publications

Prof Adi H. Doctor

Democracy" at GVM College Ponda 5th Sept. 1989.

- 1. Presented a paper on <u>Dayanand Bandodkar and the Bahujan Samal</u> al seminar on Western India Political Thought, organised by the Political Science, Dept. of Goa University and WRC of the ICSSR, 15-16 JAN 1990.
- 2. Presented **a** paper on <u>India's Rebuof Porluguess claim to Cloa</u> at a sem on History of Goa organised by the Directorate of Archieves, Archaelogy and Musuem, Govt, of Goa 4th Marc 1990.
- 3. Attended the XVth orientation cour organised by the Academic Staff Coll of Goa University, Bambolim, March, 1990.
- 1. Presented papers on <u>Domestic</u> structure and Politics in India-case Si of Goa at the All India Political Scien conference held at Pune 3-6 Nov. 1f.
- 2. Presented a paper on <u>Sardar Patel</u> the seminar on Western India Politic; Thought organised by the Political Science Dept. of Goa University and WRC of ICSSR 15-16 Jan. 1990.
- 1. Parsis and Indian Politics, in book "Religion, Politics and Society in Indial edited by Moin Shakir, published by Ajantha Books International, New Del 1989.
- 2. Gandhi's Constructive Programme
 An Example of Populist Modernisatio
 book "The New Dimensions and
 Perspectives in Gandhism" edited by
 Patil published by Inter-India publicat
 New Delhi, 1989.
- 3. Prepared Course Material on "Idec of Socio Political Reform in 19th U5111 India, published by the Indira Gandhi National Open Univ, New Delhi.
- 4. Prepared Course Material on Politi <u>Culture</u> (for MA degree course oT Bombay University, published by the

Dr. M.J. Audi

Dr. Peter RD Souza

Directorate of Distance Education, Univ. of Bombay, Bombay.

5. Reviewed book on "Sri Aurobindo as a Political Thinker (by Som P Ranchan & K.D. Gupta) for <u>Review Projector</u>, vol 9 Nov. 1989.

A. Ambedkar's struggle for Untouchable; Some Reflections, in the Indian Journal c Political Science, Vol 50 No 3, July-Sept 1989.

- B. Articles published in newspapers:
- 1) Value Based Politics, Navhind Times 1-7-89
- 2) Maladies of Indian Universities, Navhind Times, 15-7-89
- 3) "Mahatma Gandhi" on Western Democracy Navhind Times, 20-8-89.
- 4) Non-Violent Society, Navhind Times, 22-10-89
- 5) "Elections in India"Navhind Times, 20-11-89
- 6) Medium of Instruction, Navhind Times 20-3-90
- 7) Mulyadhistit Rajkaaran, Gomantak (marathi) 13-8-89
- 8) Bhartiya Loka-Shahi Gomantak (Marathi) 15-9-89
- 9) Lachyar Vivharvanta, Gomantak (Marathi) 17-10-89
- 10) Goyatil Vinayabhangache Vishleshar Gomantak (Marathi) 16-1-90
- 11) Rajyapalpadachi Upayuktata, Gomantak (Marathi) 12-4-90
- 12) Forming of Goa Government-1, Gomantak Times, 2-12-89
- 13) Lessons of Uprising, Gomantak Times 9-12-89
- 14) Formation of Goa Government-11, Gomantak Times, 2-12-89
- 15) Tokens of Patronage, Gomantak Times, 6-1-90
- 16) Vivekananda Genius Par Excellenci
- Gomantak Times 12-1-90
 17) Governor, Asset
- Gomantak Times, 9-2-90
- 18) Governor Asset or Liability-11,
- Gomantak Times, 10-2-90
- 19) Right to know in India, Gomantak Times 26-3-90
- 1. Science, Values and Democratic Theor in the book the paradox of Democracy (eds) G.Helmet and H.Trindade, Gian Publishers, New Delhi, 1989.

| 2. PI |
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| uraliz |

ation of World Views and

<u>Charismatic Domination</u>, Indian Joui of Social Science, vol 111, Jan-Mar

- 3. Restatin9 Arguments on Intellectu Property Rights, Economic and Polit Weekly, 26th May 1990 (with co-auth Errol D'Souza).
- 4. Reviewed book (Communal Road Secular Kerala, Concept, New Delhi) the <u>Sociological Bulletin.</u>
- 1. Nehru the parliementarian. Deekst Annual Number, 1989.
- 2. <u>Domestic Structures and Foreign p(</u> Journal of Parliamentary Affairs, New Delhi, Vol. 26 No 2, 1990.
- 3. Parliament's Policy towards Sri Laiduring Mrs. Gandhi's Period, Political Science Review, Jaipur, Vol 29, 1990.

Co-curricular and other Activities.

Prof. Adi H. Doctor

Ms. Shantishree Pandit

Dr. M.J. Audi

- 1. Conducted panel discussion on "Autonomy for the Electronic Media" **All** India Radio, Panaji, broadcast on 15-3-90.
- 2. Course co-ordinator and ResourcE Person for the Academic Staff Colleg various orientation Courses during
- 3. Inaugurated the Economic and Polit Science Association of Dhempe Coll(Panjim, spoke on Secularism & India Constitution at the R. G. Kare CollegE Law, Margao, on occasion of Law Day
- 4. Served as member of the EC, AC z other bodies of the Goa University.
- 1. Resource Person for Orientation Co conducted by the Academic Staff Co of Goa University.
- 2. Resource person for Extension Lect Goa University.
- 3. Resource Person for IAS Coachinc Centre Goa University.
- 4. Elections in India lecture given at G\ College of Commerce and Economic Ponda-Goa, December 1989.

1.10 Department of Sociology

(i) Teaching Staff:

1. Shri S.R. Phal M.A.

Reader and Head of the Dept.

2. Dr. W. de Silva M.A., Ph.D. Reader

3. Shri Alito Siqueira M.A.

Lecturer

4. Dr. S.Hegde M.A., Ph.D.

Lecturer

5. Dr. M. Singh M.Sc.(Agri), Ph.D.

Lecturer

(ii) Visiting Teachers:

Dr. (Mrs). R. Indira, Reader and Head, Department of Sociology, University of Mysore, Mysore visi the department in December,1989 to deliver a series of lectures on Women and Development to post-graduate students of the department.

(iii) Participation in Seminars, Conferences, Workshops, etc.

1. Shri S.R.Phal

- 1. Participated in a 3-day U.G.C. Natio Seminar on "Social Movements in Ind organised by the Department of Sociolo Kerala University, Trivandrun in July 1c. and chaired a session.
- 2. Participated in a 2-day National Co ference on W' men Studies jointly organ by the U.G.C. and the S.N.D.T. Womer University, Bombay in November, 1981
- 3. Participated in the Seminar on Westi Indian Political Thought (19th and 20tl Century) jointly organised by the ICS: Western Region and Department of Political Science, Goa University, at Bambolim, in January, 1990.

2. Dr. S. Hegde

- 1. Participated in the Seminar on WestE Indian Political Thought, Department Political Science, GU, 15-16 January,
- 2. Presented a paper on "Of Machine Minds and Other things" in the Semir organised by the students of the Deg ment of Computer Science, Goa Univer 4th April, 1990.

v) Publications

1. Dr. S. Hegde, "Of Contributions and the

Socioloa

India: Some Preliminaries". (Mimeogra

2. Dr. M. Singh 1. "Land Reforms in Haryana" in M. I

Sharma and R.k. Punia(ed). Land Ref in India ", New Delhi, Ajanta, 1989.

2. Political Economy of the Unorgan Industry, New Delhi, Sage, 1990.

(vi) Contribution of the Department to the University Activities:

1. Shri S.R. Phal Delivered lec•iires on "Women's

Stt.

in the Acadeniic staff College Goa Unix

2. Dr. S. Hegde Delivered a talk on "Thinking Compt

thinking the Science of Cognition" t students of the Department of Corr

Science, Goa University.

vii) Any Other details:

1. Shri S.R. Phal Delivered a lecture on the Scope and

of Sociology to the sociology studeni M.E.S.College, Zuarinagar, Vasco at Annual Function of the M.E.S. Colle Sociology students Association, April

vi) Research Students:

| Name of the Research Guide | <u>No. of</u> Ph.D. <u>Full-time</u> | Students Fralfi7e | |
|----------------------------|---|----------------------|--|
| 1. Shri S.R. Phal | 1 | 3 | |
| 2. Dr. W. de Silva | 2 | 1 | |

1.11 - DEPARTMENT OF PHILOSOPHY

(I) Teaching Staff

Prof. and Head of the Dept.

Dr. R.A. Sinari M.A. (phil), ph.D.

Reader

Dr. A.V.Afonso

M.A.(Phil), M.A.(Soc.), Ph.D.

Lecturer

Dr. U.A. Vinay Kumar M.A. (Phil), Ph.D. Lecturer

Dr. A. Raghu Rama Raju

M.A.(phil), Ph.D.

(ii) Contributory Teachers

- Prof. R.N. Karani, Wilson College, Bombay gave a series of lectures in "Symbolic Logic" to M. (Philosophy) students.
- Dr. S.S Antarkar, Prof. of philosophy, University of Bombay lectured to M.A. (Philosophy) students "Problems in Meta-Ethics".

(iii) Visits abroad

Dr. R.A. Sinari

- (i) Attended, by invitation, the First International Symposium on Universalism at Warsaw Universi Poland, Presented a paper titled "Conflict Among Intellectual Paradigms" to it, and chaired one of sessions (November, 1989)
- (ii) Delivered a series of lectures on "Indian Thought" a-t Intercultural Cooperation(ICC) in Heidelbe University;
- (iii) Attended by invitation, and international Colloquim on "The Search for Man: the Topicality Philosophical Anthropology", presented a paper titled "Man: the Elusive Reality" to it, and chaired orie of sessions (May, 1990);
- (iv) Attended, by invitation, a seminar on "Equivalents in Religious Language" in Assisi, Rome at presented a paper titled "God as Sat-Cit-Ananda to it (May, 1990);
- (v) Addressed and had question-answer sessions with philosophers at ten 'Jniversities and Philosopl Research centres in West Germany, Italy and Holland (may-June, 1990).

(iv) Participation in Seminars, Conferences, Workshops, etc.

Dr. A. Raghu Rama Raju

- (i) Attended a Seminar on "Western Indian Political Thought" (19th and 20th Century)" at Gc University and presented to it a paper titled "of(f) Thematic and Problematic: Thinking through Milita Nationalism" (January 1990);
- (ii) Attended an ICPR organised seminar on "Human Action" at ICPR, Lucknow and presented to it paper titled "Search for Community. Human Action in the Post-Enlightment Discourse" (March 1990).

(v) Publications

Dr. R.A. Sinari

- (i) His book The Structure of Indian Thought is re-published as a paper back by Oxford Universi Press, 1990;
- (ii) His paper "Conflict Among Intellectual Paradigms" is published in Dialectics and Humanis (Proceedings), Warsaw, Volume 3,1990:
- (iii) His paper "Science, Technology and the Hindu Weltansehauung" is published in New Technologic Civilization and Indian Society, Indian Inst. of Advance studies Shimla, 1990.

(vi) Any other details.

Dr. R.A.Sinari

- (i) Gave 5 lectures on "Phenomenology", "Hermeneutics" "Structuralism" and "Post-Structuralism" I Philosophy Teachers Refresher programme at the University of Bombay (July, 1990)
- (ii) Was a Lead Speaker at the symposium on Indian Philosophy at the Rarnakrishna Mission Institut Culture, Calcutta, 30.11.89. The subject: "The worldly and the Transcendental in Indian Philosophy";
- (iii) Lectured at the Academic Staff College, Goa University;
- (iv) Was a Referee for thesis submitted for the degree of ph.D. in Philosophy at University of Poona, University of Bombay and Banaras Hindu University.

2.1 DEPARTMENT OF MATHEMATICS

(i) Teaching Staff:

| (i) Dr. S.G. Deo M.Sc., Ph.D. | Professor & Head |
|---|------------------|
| (ii) Dr. Y.S.Prahalad M.Sc., Ph.D. | Reader |
| (iii) Dr. M.T.Nair M.Sc., Ph.D. | Reader |
| (iv) Shri A. Banerjee M.Sc. | Lecturer |
| (v) Dr. A.J. Jayanthan M.Sc.,M.Phil,Ph.D. | Lecturer |
| (vi) Dr. M. Ganesh M.Sc., Ph.D. | Lecturer |
| (vii) Shri Y.S. Valaulikar M.Sc. | Lecturer |

(ii) Visiting Teacher:

Dr S.P. Pethe, M.Sc., Ph.D.

(iii) Details of Research Students:

| | No of Students. | | |
|------------------------------------|---------------------|-----------|-----------|
| | M.Phil | Ph.D. | |
| | Full Time Part Time | Full Time | Part Time |
| Prof. S.G.Deo | 1 | 1 | 1 |
| Dr. Y. S. P rahalad Dr MT. Nair | 1 | | |
| Dr S.P.Pethe | 4 | | |

(iv) <u>Visitor to the Department:</u>

Dr B.V. Limaye, Professor of Mathematics, III Bombay visited the Department during Jan 6-8, 19 and delivered two lectures on 'Solution of Linear Equations' and one lecture on 'Some Questions abl Prime numbers' under the auspices of the 'Professor D.B.Wagh Endowment Fund Lectures'.

(v) Visits by the Teachers of the Department:

(i) Prof. S.G. Deo

Visited the University Grants Commission New delhi on 21 may 1990 to finalise the Eighth five Yea' Development Plan of Goa University.

(ii) Dr. M.T.Nair.

Visited the Department of Mathematics, University of Calicut on May 7,1990 and delivered a lectu on 'Projection Methods for Integral Equations of the second kind'.

(vi) Participation in Seminars, Conferences, Workshops etc.

(i) Prof. S.G.Deo

- (1) Member of the organising Committl of an International Conference on Matt matics Education held in Goa during October 30 to November 9, 1989 arrang by the Ministry of Human Resource De lopment. Presented a paper on 'Experim of Advanced Mathematics in Higher Secondary Schools'.
- (2) Invited to be the President of the Ann conference of Maharashtra Mathematil Teachers Association held in Latur dun December 21-23, 1989.
- (3) Invited to deliver lectures under 1 UGC scheme of extension of lecture ser at (a) Nutan Mahavidyalaya Selu, Dist Parabhani; (b) Science College, Nandi (c) Yogeshwari College, Ambajogai Dh Bhir, (d) Dayanand College, Latur ir December 1989.
- (4) Invited to address the Annual confere of Indian Mathematical Society held r New Delhi during December 27-30 19E Talk: Differential Equations Involving Piecewise Constant Delays.
- (5) Talk given on Nov. 14, 1889 at the Mathematics Teachers conference of Shivaji University colleges held at Sate

Gave an invited talk at the National S) posium on 'Operator Theory and Functi Analysis' organised by the Centre fa Mathematical Sciences and Technolq during July 28-91, 1989.

(ii) Dr. M.T.Nair

(iii) Dr. A.J.Jayanthan

(iv) Dr M.Ganesh

(v) Shri Y.S.Valaulikar

(vii) Publications:

(i) Prof. S.G. Deo Research Publication: Talk: On some variants of Projection Methods for Operation Equations of 1 Second Kind.

Gave and invited talk at the Symposii on 'Topology organised by the Allah Mathematical Society held in April 19 Talk: Finite-to-one Quotients.

Attended a Summer School on 'Differe Equations' organised by NBHM & TIF (Bangalore) held at Bangalore during 7-25, 1990.

Attended an International ConferencE Mathematics Education' arranged by Ministry of Human Resource Developn in Goa during October 30 to Novembe 1989 Presented, a paper on 'Experimer Teaching at plus Two stage'.

1. On Shooting Method in Boundary Value Problems (with PL. Sachadev). Proceeding of Internat Short-Term Instructional Course organised by Bangalore Univ. 1989.

Other Publications:

- 1. Presidential Address given in the Annual Conference of the Maharashtra Mathematics Teachers Association. Journal of Mathematics Teachers, December 1989.
- 2. "Restructuring of PG. Education in Goa University" in 'University News', June 1990.
- 3. 'Mathematics for All Gomantak (Daily in Marathi) Jan. 1990.

(ii) Dr. M.T.Nair

- 1. "On Iterative Refinements for Spectral sets and Spectral Subspaces". In Numer. Funct. Anal. & Optim 10(9 & 10) (1989).
- 2. A Modified Projection Method for Equaltions of the Second Kind Corrigendum & Addendums. In Bull. Aust. Math. Soc. Vol. 40 (1989) 487-487.
- 3. On some Variants of Projection Method for Operating Equations of the Second Kind. In Proceedin the National Symposium on Operator Theory & Functional Analysis, CMS, Trivandrum, 1989.

(iii) Dr. A.J. Jayanthan.

'Finite-to-one' Quotients(With V. Kannan) Proceedings of the Conference of Allahabad Mathem Society, 1989.

(iv) Dr. M. Ganesh

- Descrete Numberical Solvability of Mixed Hammestein Integral Equations (With M.C. Joshi) J. Integral Equations & Application Vol. 2 No 1 (1989)
- 2. Numerical Solutions of Nonlinear Integral Equations on the Half Line (With M.C. Joshi) Number Funct. Anal. & Optims., 10(11 & 11) 1989. 1115-1138.

(viii) Other Details:

- (1) Professor S.G. Deo and Dr. YS. Prahalad worked extensively for the establishment of a memorial o Late Professor B.V. Singbal, a well-known mathematician from Goa, who worked at TIFR Bombi The first memorial lecture was delivered by Professor J.V. Narlikar. Professor S.G. Deo and Dr. NI' Prahalad are respectively the Secretary and Treaurer of the Committee.
- (2) Shri Y.S. Valaulikar has been involved in Conducting Mathematics Competition Tests for Second School Students of Goa inorder to prepare them for Indian Mathematical Olympiad.
- (3) During the academic year Professor S.G. Deo evaluated the following Ph.D. thesises.
 - (i) A. Satyanarayan Rao, Some Contributions to PDE and Nonlinear BVPs, Andhra University, Waite
 - (ii) G.V. Ravindranadh Babu, Stability and dichotomies for impulse and generalized differential systems, Andhra University Waltair

2.2 <u>DEPARTMENT OF PHYSICS</u>

i) Teaching Staff.

F.A.Sc., F.N.A.Sc., F.M.A.S.

1. Dr. C. Mande Head of the Department. M.Sc. Ph.D. (Allahabad) D.Sc. (Paris),

2. Dr. R.B. Prabhu M.Sc., **Ph.D.** Reader Reader (Ohio, State, U.S.A.)

3. Dr. J.A.E. Desa M.Sc., Reader Lecturer Ph.D. (Reading, U.K.)

4. Dr. PR. Sarode Lecturer Temporary

M.Sc., Ph.D. (Nagpur)

5. Dr. G.R. Bhat Lecturer M.Sc., Ph. D. (Bombay)

6 Dr (Ms) Uma Subramanium M.Sc. Ph.D. (1.I.T Kharagpur)

Shri S.D. Deshpande M.Sc.

ii) Contributory Teachers.

 Dr. A.K. Heblekar M.Sc., Ph. D., Principal, PES College, Ponda gave 39 lectures

- Shri S.M. Sadique, M.Sc., Lecturer
 S.P. Chowgule College, Margao gave 36 lectures
- Shri A.B. Coelho, M.Sc., Lecturer,
 St. Xavier's College, Mapusa gave 16 lectures.
- Shri A.F. Barbosa, M.Sc., Lecturer, Dhempe College, Miramar Panaji gave 30 lecturers
- Shri R. B. Tangsali, M.Sc., Lecturer,
 Dhempe college, Miramar, Panaji gave 32 lectures

iii) Participation in Seminars, Conferences, Workshops etc.

a) Dr. C. Mande

1. National Seminar on X-ray Spectrosi and Allied areas held at Srinagar, Kas from October 9-12, 1989.

2. U.G.C. meetings for Synchroton Radi at Poona, 27th and 28th November 11 and January 21, 1990.

- 3. U.G.C. meetings for Curriculum De pment in Physic at Delhi on 15th and 1 September 1989 and at Pune on 16th-March 1990 end 13th and 14th April 1
- 4. Dr. Mande gave two invited lecture X-ray Spectroscopy in the Refresher Co for College teachers, organised by 1 Academic Staff College of the Poon University on 24th and 25th May, 1991
- 1. School on Optoelectronic MateriE' Devises, from 28th August to 3rd Septei 1989 at the Tata Institute of Fundame Research, Bombay.
- 2. Orientation Course conducted by 1 Academic Staff College, Goa Univers from 3.7.89 to 30.7.1989.
- 3. DST/Unesco regional workshop c "Low cost microprocessor systems science education from 28th May to 'June 1990 at the Indian Institute of TE ology, Kanpur.
- 1. Participated and helped in organis the International Workshop on Matherm Education arranged under the auspic of the UNESCO in Goa from 1st to IE

b) Dr. Uma Subramanium

c) Dr. G.R.Bhat

November, 1989, He also delivered tv% lectures on "Computers in Mathematic Education" in the Workshop.

d) Dr. J.A.E.Desa

Participated in the Workshop on Powd Neutron Diffraction Technique in Chemic and Magnetic Crystallography held in Bhabha Atomic Research Centre, Bomt from June 26, 1989 to June 30, 1989.

iv) Publications

- 1. Dr. C. Mande (with N.R. Lokhande & V.B. Sapre) Energy gap and chemical shift of X-ray K absorption discontinuity of arsenic in its compounds. Physica Status solidi (b), 153,p.K35, 1989.
- 2. Dr. C. Mande (with A.P.Deshpande) A study of manganese oxides by EXAPS spectroscopy. Physica Status Solidi (b) 158, p.737 1990.
- 3. Dr. C. Mande (with A.V. Pimpale) The universality of the Raman Effect. Physics Education, January-march 1990, p.269.

v) Visitors to the Department:

- I) Dr B.A. Desannacharya, Director, Solid State Physics and Spectroscopy Group, BARC, Bomt visited the Department on the 21st and 22nd August 1989. He delivered a lecture on "Neutron Scatter Programme at BARC".
- ii) Dr. V. Y. Rajopadhye, Retired Professor of Physics, 1.I.T., Kharagpur visited the Department from 5th to 7th September 1989. He delivered a lecture on "Factorisation in Quantum Mechanical Problems".
- iii) Dr. V. G. Bhide, Director Inter University Consortium for DAE facilities of the UGC, visited Department on the 28th September 1989. He delivered a lecture on "New opportunities for yoi scientists in National Laboratories."
- iv) Dr. B.D. Padalia, Professor of Physics, Indian Institute of Technology, Bombay visited Department on the 28th and 29th September 1989. He delivered a lecture on "XPS studies of **H** Temperature Superconductors".
- v) Dr. V. B. Sapre, Reader in Physics, Nagpur University visited the Department from 16th to 1 November 1989. He delivered a lecture on "Vacuum Technique and Applications".
- vi) Dr. A. V. Pimpale, Department of Physics, Poona University visited the Department from 3rd to January 1990. He delivered a lecture on "Quantum Tunnelling".

v) Visitors to the Department:

i) Dr B.A. Dassanacharya, Director, Solid State Physics and Spectroscopy Croup

vi) Visits Abroad

Dr J.A.E. Desa visited U.K. during the summer vacation of 1990. He visited Reading University and 1 Rutherford Appleton Laboratory in May-June 1990.

vii) Research Students.

| | Ph.D. students | | |
|-------------------|----------------|-----------|-------------|
| Name of the Guide | | No. | of students |
| | | Full time | Part time |
| 1. Dr. C. Mande | | | 4 |
| 2 Dr. R.B. Prabbu | | | 2 |

One student Shri R.B. Tangsali submitted his Ph.D. thesis "Theoretical Investigation into Trans; properties of Mix-Valent Cerium Compounds" in September 1989, working under the guidance of Dr. F. Prabhu.

viii) Research Project.

- i) Work on the project "Superconductivity" granted by the U.G.C. is in progress.
- ii) Work on the project "Ionospheric Studies granted by the Indian Institute of Geomagnetism, Bombay, being carried out.
- iii) The Inter University Consortium of the U.G.C. has granted two research Projects, one to Dr. R. B. Prabhu and the other to Dr. J.A.E. Desa to carry out research work on the Dhruva Reactor at the E Atomic Research Centre Trombay.
- iv) In addition to the above sponsored projects, the Department is actively engaged in research on several aspects of condensed matter physics.

ix) Co-curricular activities.

- 1. Dr. C. Mande gave a talk on the AIR, Panaji on "My second love painting" on the 4th January 199
- 2. Dr. G.R. Bhat gave a talk on "String Theory" on the AIR, Panaji on 3.3.1990.
- 3. Dr. G.R. Bhat gave a course of 30 lectures on "Numerical Methods and Fortran Programming" in t Department of Chemistry, Goa University.
- 4. Dr. G. **R. Bhat** gave a course of 30 lectures on "Computer Graphics" in the Department of Comput Science & Technology Goa University.
- 5. Dr. C. Mande gave lectures on "The Role of Teachers in Modern India" and on "Science & Society in the different courses conducted by the Academic Staff College, Goa University.

x) Any other details

- (i) A winter School in Astronomy and Astrophysics was organised by the Department during period 1st to 10th November 1989 in collaboration with the Tata Institute of Fundamental Resea Bombay. This year, for facility of undergraduate students, the Winter School was held in the PES CollE Ponda, with the cooperation of Principal A.K.Heblekar. Fifteen students from the different Colleges University departments in Goa regularly participated in the Winter School. Six eminent scientists from TIFR, Bombay came to Goa to give lectures in the Winter School. The purpose of the Winter School wa acquaint young science students of Goa with the advancing frontiers of knowlddge and to inspire then take up research careers in this fascinating field.
- (ii) A two-week National Workshop on "Neutrons as probes of condensed Matter" was organisec the Department of Physics in collaboration with the Bhabha Atomic Research Centre, Bombay between 20th April and 5th May 1990. **The** workshop was sponsored and financed by the Inter Univel

Consortium for DAE facilities of the UGC. The Workshop was attended by 21 participants selected fri 150 applicants from all over the country. In addition, 5 M.Phil students of the Department attended I lecture courses. The theory lectures were delivered in Goa by Dr. B.A. Dassanacharya, Dr. F Vijayraghavan, Dr. C.L.Thapar and Dr. J.A.E. Desa, while the tutorial were conducted by Dr. S.K. Paranjp Seminar talks were given by Dr. V.G. Bhide, Prof. C. Mande, Dr. R.B. Prabhu, Dr. K.V.S. Rama Rao and Dr D. Dande

After a one-week thorough training on theoretical aspects the participants were taken in a special b to Bombay, where they worked for one full week at the Dhruva Reactor at Trombay. The participants dir number of Experiments with the neutron beams at the reactor under the supervision of the BARC staff, Prabhu and Dr. Mande.

This was the very first workshop of its kind in the country organised with the assistance of the In University Consortium. It can be hoped that now University scientiest would be able to make good use the Dhruva Reactor facility in BARC, as was the objective in organising this National Workshop.

(iii) An educational tour of the M.Sc. Part I students was undertaken to Bangalore from October 17th October 25th 1989 under the guidance of Shri Efrem D'Sa a research student of the Department a Lecturer at Carmel College, Nuvenn, The group of 11 students visited the Indian Institute of Science, Ram Research Institute and other place of scientific interest in Bangalore. Simultaneously, the M.Sc. Parl group of 7 students accompanied by Dr J.A.E.Desa visited the Bhabha Atomic Research Centre, Bomb and other scientific establishments in Bombay from October 17th to October 23rd 1989.

(iv) Sixteen M.Sc. students gave a series of seminar talks on various subjects during the academic yr under the auspices of the Raman Society. Besides these talks, Shri S.D.Deshpande, temporary lecturer the Department also delivered a talk on "X-ray Spectroscopic study of aluminium-manganese alloys in 1 Raman Society.

2.3 DEPARTMENT OF CHEMISTRY

The Department of consists of three disciplines, Inorganic, Organic and Physical Chemistry. For 1 Master's degree course the instruction is common for all the branches at the part-I level while 1 instruction in a specialised branch is given in the Second Year Post-graduate degrees are awarded in ea of the discipline separately.

(i) Teaching Staff

Dr J.S. Budkuley looked after the department as officiating Head till September 17, 1989. Prof S Paknikar resumed duties as Head of the Department on September 18, 1989 after completing two years National Fellow of UGC and visit to West Germany under INDO-FRG exchange programme.

Following are the details of the regular Faculty members in the Department.

| Name | Designation |
|--------------------------|------------------|
| 1. Dr S.K.Paknikar | Professor & Head |
| 2. Dr. V.N. Kamat Dalai | Reader |
| 3. Dr. J.K. Kirtany | Reader |
| 4. Dr. B.D. Desai | Reader |
| 5. Dr. J.B.Fernandes | Lecturer |

| 6. Dr. J.S. Budkuley | Lecturer |
|----------------------|----------|
| 7. Dr. S.P. Kamat | Lecturer |
| 8. Dr. K.S. Rane | Lecturer |
| 9. Dr. VP Kamat | Lecturer |

10. Dr. A.V. Salker Lecturer

Dr. Mrs. Suneeta Nair joined the department as Pool Officer CSIR in July 1989. Dr. S.G. Tilve joined t department as Pool officer CSIR in April, 1990.

(ii) Contributory Teachers

During the year, Contributory teaching was also done by the following teachers.

- 1. (Dr.) N. Pereira, Principal, St. Xavier's College, Mapusa,
- 2. Prof, M.S. Wadia, Professor and Head, Department of Chemistry, University of Poona, Pune.
- 3. Dr. John B. Fernandes, Principal, Govt. Arts and Science College, Marcela, Goa.
- 4. Dr. G.R. Bhat, Department of Physics, Goa University.
- 5. Shri R.B. Tangsale, Department of Physics, Dhempe College.
- 6. Shri VS. Dinge, Department of Chemistry, Dhempe College Panaji -

(iii) Details of Research students

| Name of the Teacher | M.Sc. by Research | Ph.D. | |
|---|-------------------|-----------------|---|
| | No. of students | FrET of student | |
| 1. Prof. S.K. Paknikar 2. Dr. V.N. Kamat Dalai | | 3 | 4 |
| 3. Dr. J.K. Kirtany 4. Dr. B.D. Desai | 1 | 3 | |

Miss Jivexa Patel submitted her Ph.D. thesis in May 1990. She worked under the guidance of Pro S.K. Paknikar.

(iv) Visitors to the Department

- Prof. Vasu Dev,
 California State Polytechnic
 University, POMONA, Calif, U.S.A.
 Delivered a talk on The Chemistry of Cymbopogon terpense" 29th Nov, 1989.
- Dr. Alan F Thomas. Firmenich, Geneva Switzerland.

Delivered a talk entitled "Chemistry of pinane derivatives and their use in perfumary industry" 28th February, 1990.

- 3. Dr. T.N. Guru Row,
- Indian Institute of Science, Bangalore Delivered a talk on "Structure Determination by x-ray Diffraction on April 6, 1990.
- 4. Prof. P A. Vatakenchery,

Cochin University, Cochin Delivered a talk on "How to do Research and survicve under Indian conditions", on April1,7,1990.

(v) Visits abroad

| (vi)Participation in Seminars/Confer | ences/Workshops Invited Lecture |
|--|---|
| Name of the participants | Seminar/Conferences/Workshop/ |
| Dr. K.S. Rane and Dr. V.N. Kamat Dalai | Seventh National Symposium on Thermal Analysis. Regional Engineering College, Srinage October, 1989 and presented a paper. |
| 2. Dr. K.S. Rane | U.G.C. Refresher Course in Chemistry Ind. Inst. of Sbience, Bangalore, Marc' 1990. |
| 3. Dr. S.P. Kamat | Attended 33rd Annual Convention Dr. V.P.Kamat of Essential Oil Associati of Dr. S.G.Tilve India, May, 1990, Goa. |
| 4. Dr. S.K. Paknikar | i) 'Use of Monoterpene Phenols for th(Synthesis of (+) -3,10- Dihydroxydiemer -5, 11-Dien-4, 9- dione and Related Congress of Essential Oils, Fragrance and Flavours, November 1989, New D |
| | ii)Chaired a session in the 11th Internat nal Congress of Essential Oils, Fragranc and Flavours, November 1989, New D |
| | iii) 'Biogenetic-type synthesis of Sesqt hamaenol and Himasecolone', Pap presented a Post IUPAC International Symposium on the Synthesis of Natur Products, February 1990, Bangalore. |
| | iv) 'Nonperfumary Applications of Optil Active Essential Oil Constituents', Pal presented at 33rd Annual Convention, |

v) Chaired a session at the 33rd AnnL Convention, E0A1, May 1990, Goa.

(vii) Publications

1. S.K. Paknikar, J. Patel

- 2. J. Bhattarcharjee and S.K. Paknikar
- 3. C.V. Ramanmma, A.S. Dinge and S.K. Paknikar
- 4. V.L. Moye, K.S. Rane
- 5. J.K. Kirtany
- 6. J.K. Kirtany
- 7. A.V. Salkar

(viii) Any other details

Prof. S.K. Paknikar

Use of Monoterpene phenols for the (Ramanama synthesis of (+)-3,10-Dih oxydiel mentha-5,11-Diene-4,9 Dione Related compounds, Proceedings of 11th Essential Oils, Fragrances and Flavours, Vol.4,105 (1989).

Synthesis of Coumarins by transfer of C3-unit of Cinnamic acids to phenols using polyphosphoric acids Ind.J.Ch(28B, 205 (1989).

Synthesis of three naturally occuring disoprophyl menthyl phenols, Ind.J.Ch 288B, 517(1989).

Synthesis of Magnetic materials by ar V.N. Kamat Dalai Thermal Decomposi of Oxalato Hydrozinate Precursors Proceedings of the seventh National Symposium on Thermal Analysis III, 109(1989).

Newer Methods of the synthesis of Cis-Jasmone, Part-I, PAFAL journal Oct-Dec, 1989.

Newer Methods of the synthesis of Cis-jasmone, Part-II PAFAL journal 25 Jan-March, 1990.

Electron Spin resonance of some vanac oxides, Ind.J. Technology, 27,501 (19

- i) Synthesis of some Irregular Terpen Invited lecture delivered at the Pharmac cal Institute, University of Erlangen, Erlangen, W.Germany, July 1989.
- ii) Synthesis of Sequichamaenol HimaE colone'. Invited lecture delivered at Drac Holzminden, W.Germany, August, 191
- (iii) Our Contributions to Terpenoid Chen lecture delivered at the Pharmaceutic Institute, Bonn University Bonn, W.Germany, August, 1989.

- iv) 'Synthesis of Coumarins by Transfe a C3 Unit of Cinnamic Acids and Synthe of Irregula Terpenoids', Invited lecture delivered at Ciba-Geigy, Basel, Switzerla September, 1989.
- v) 'Synthesis of Some Irregular Terpenol Invited lecture delivered at Fermenich Geneva, Switzerland, September, 198
- vi) 'Synthesis of some Irregular Sesequil penes and a Coumarins synthesis'. Invit lecture delivered at Department of Greenoble, France September, 1989.
- vii) 'Synthesis of some Irregular Terpeno and Coumarins'. Invited lecture delive at Institute of Natural substances Cif,Fra September, 1989.
- viii)'Synthesis of some Irregular Terpenoil Invited lecture delivered at the DepartmE of Chemistry, University of Glasgow, Scotland, U.K., September, 1989.
- ix) The outcome of an attempted SynthE of faurinone on biogenetic lines'. Invite lecture delive ed at the Department of Chemistry, University of Poona, Pune, IV 1990.

Research Associate (CSIR)

2.4 DEPARTMENT OF MICROBIOLOGY

(I) Teaching and Research Staff

| Δ | Teaching | Staff: |
|----|---------------|--------|
| л. | I Caci III ig | Otan. |

i) Dr. S. Mavankurve Ph.D. Professor
ii) Dr. J.D'Souza Ph.D. Reader
iii) Dr. I. Furtado Ph.D. Lecturer
iv) Dr. S. Bhosle Ph.D. Lecturer

Ph.D.

B. Research Staff:

I) Dr. S. Nazareth

ii) Ms. C. Fernandes M.Sc. Junior Research Fellow (K.V.I.C.)

iii) Mr. B. Rodrigues M.Sc. Junior Research Fellow (K.V.I.C.)

iv) M.S.Borkar M.Sc. Junior Research Fellow (D.A.E) (w.e.f.Feb 14, 1990) (ii) Contributog Teachers. A. Practicals Name of Person i) Ms. M. Bhadri Ex-student **Practicals** Ms. D. Pacholi Research student Ms. A. Gonsalves Ex-student iii) B. Lectures No. of lectui tern per Designation Institution Name 2 12 Research , i) Dr. S.Nazareth Dept Associate Microbiology ii)Dr. V.S. Prahalad Reader Dept. of Maths. 10 iii) Dr. L. Sardessai Lecturer Chemistry Dhempe College iv) Dr. M.B. Kaliwal Entomologist Directorate of Health Services. 10 v) Dr. C. Rodrigues Lecturer Dept. of Marine Science 6 LecturerPES College vi) Dr. A. Dinge Ponda Goa vii) Dr. Bhattathiri Scientist N.I.O. 6

(iii) Research students

viii)Dr. N.B. Bhosle

| Name of Research Guide | Research | No. of students | |
|------------------------|-----------|-----------------|--|
| | <u>1W</u> | Wolfing | |
| I) S. Mavinkurve | Ph.D. | 3 | |
| ii) J. D'Souza | Ph.D. | 3 | |

Scientist

N.I.0

10

(iv) Research Projects

Following research projects sanctioned to Prof. S Mavinkurve are being funded in the department Microbiology.

| Pro'ect title Sanctioned | | Date of Funds. | |
|--|--|------------------|-------------------|
| "Feasibility of Growing Agave on mining rejects and retting of Agave leaves" | Khadi and | w.e.f 1988-89 | Rs. 5.00 lakhs |
| "Genetic studies on Pseudomonas strain transforming santonin | Department of Atomic Energy Bombay | wet. 6.5.89 | Rs 2,37,900 |

v) Visitors to the Department

The following lectures/talks were organised by the department jointly with the Goa unit of Associatiol of Microbiologist of India.

| Date | Speaker | <u>Topic</u> | | |
|------------------------------------|---|---|--|--|
| 27.6.89 | Dr. R.N. Singh T.I.F.R. | Cell competence and Transformation | | |
| 7.7.89 | Dr. C. Raghukumar N.I.O. | Marine endolithic micro- organisms. | | |
| 19.7.89 | Dr. K Manohoran Maduria Univ | Biological significance of lectines. | | |
| 28.7.89 | Dr.A. Parulekar N.1.0. | Biology of Benthos | | |
| 25.8.89 | Dr. N.D.S. Varde D.S.T., Goa | Microbiology appropriate Technologie and sustained development. | | |
| vi) <u>Visits and Discussions:</u> | | | | |
| Date | Parent Institute of visitors. | <u>Purpose</u> | | |
| 5.1.89 | Academic College, GU | Visit | | |
| 6.12.89 | Students of Abasaheb Garware College, Pune | Visit | | |

vii) Visits Abroad

Dr. J.D'Souza was awarded common wealth fellowship (ACU) to NewCastle UK from 25/4/89 - 8/8/8!

Dr. J.D'souza attended symposiim on Microbial Ecology at Tokyo, Japan from 25/8/89 - 6/9/89.

viii) Participation in Seminars, Conferences & Workshops

- I) Dr. S. Bhosle attended the International symposium on Biological oxidation at IISC., Bangalore 2 17/10/89
- ii) Dr. I. Furtado and Dr. S. Nazareth attended the A.M.I. conference held at Annamalai University 8/1/90-12/1/90.
- iii) Best poster award was confered for a research paper presented at the annual AMI conference ht at Annamalai University to C.Fernandes and S.Mauvinkurve.

Participation outside department activities.

- i) Following research staff members were office bearers of the Association of Microbiology of India (Goa ur
- 1. Ms. S. Kaliwal Treasurer
- 2. Dr. S. Nazareth Secretary

ix) Publications

The following papers were presented at Annual Conference of Microbiologists of India held at Hary University, Hissar from 8th Feb - 11th Feb '89.

- i) Nazareth S*., M. Prabhudessai and S.Mavankurve 1990. Assay of Ferulic acid Decarboxylase.
- ii) Nazareth S*., and S.Mavinkurve 1990 studies on Ferulic acid decarboxylase"
- iii) Prabhu **N.,** S. Kaliwal, S. Bhosle and S. MayinKurve, 1990 studies on hydrophobicity and cell envelop Arthrobacter Sp.
 - iv) Fernandes C* and S Mavinkurve 1990 Lectin activity in Agave cattle leaves (BEST Poster award)
- v) Monteiro M., I. Furtado* and S. Mavinkurve characterisation of Penicilium spinulosum pigment,
- vi) Collaco **D*, I.** Furtado and S. Mavinkurve, 1990 characterisation of Polar transformation prod of santonin.
- vii) Kamat **N.,** M. Monteiro, I. Furtado* and S.Mavinkurve, 1990 Quinonoid pigments from termitomycetes spp, of Goa.
- viii) Kamat N., M.Monteiro, I.Furtado* and S.Mayinkurve, 1990 Coremiopleurotus spp fructifying in Laboratory and producing a black pigment.

X Others

- i) Conducted an extempore competition on 15/2/90 on following topics.
- 1. Euthenesia
- 2. Genetic engineering
- 3. Aids, a threat to man
- ii) Department's periodic news letter, "Microcosmos"
- iii) Extended laboratory facilities for conducting B.Sc. Home Science Microbiology practicals.

- iv) Extended facilities for regular meetings of the Association of Microbiologist of India, Goa Unit.
- v) Department offered consultancy for growing mushrooms to local farmers.
- vi) A display on Mushrooms past present and future was arranged in the SCIE-TECH 1990 organisec by DST of GOA from 28.2.90 to 3.2.90

2.5 DEPARTMENT OF GEOLOGY

(i) Teaching and Research Staff in the Department

 Dr. A.G. Desai. Reader and Head of the Department M.Sc., Ph.D.

2. Dr. PS. Raikar, Reader in Geology,

M.Sc., Ph.D.

Lecturer in Geology,

3. Dr. TA. Vishwanath M.Sc., **D.I.I.T., Ph.D.**

4. Dr. K. Mahender.

M.Sc., **Ph.D.**

Lecturer in Geology.

5. Dr. A.G. Chachadi, M.Sc.. Ph.D.

(ii) Research Student\$

Name of the teacher Ph.D. (Research guide) Ph.D. No. of students working

Full time

Dr. A.G. Desai One

Research project: Nil

(iii) Visitor to the Depart'pent: Prof. B.K. Sahu, IIT Bombay

(iv) Participation in seminars, conference, workshops, etc.

Dr. PS. Raikar attended workshop on "Remote Sensing" Application to mining and environment Centre of Studies **in** Resource Engineering, 1.1.1. Bombay at Panaji, 1989.

Dr. A.G. Chachadi attended orientation programme organised by Academic Staff College, Goa Univer Bambolim. Goa.

(v) Researdb Publications

(i) A.G. Chachadi and G.C. Mishra (1989): Analysis of unsteady flow to a large diameter well indui by nonlinear abstraction.

In Journal of Applied Hydrology, V.2, No.2 pp.17-27.

(ii) A.G. Chachadi and G.C. Mishra (1989) Optinal design of large-diameter well. Hydrology Joui V.12, No. 4,pp. 122-29.

(iii) A.G. Dessai. N.M.S. Rock. B. Griffin and D. Gupta. (1990). Mineralogy and Petrology of xenolith bearing alkaline dykes associated with Deccan magmatism, South of Bombay, India. Euro Journal of Mineralogy V.2, pp.667-685.

3.1 DEPARTMENT OF MARINE SCIENCE.

1) Teachine staff:

a)- Dr. T.S.S.Rao Head and Co-ordinator M.Sc., D.Sc.

b) Dr. C.L. Rodrigues Reader M.Sc, Ph.D.

c) Dr. G.N. Nayak Lecturer M.Sc. (A.G.) Ph.D.

d) Shri H.B. Menon Lecturer M.Sc.

e) Shri S. Upadhyay Lecturer' M.Sc.

2. Contributory teachers:

- a) Scientist from Physical, Chemical, Biological, Geological and Instrumentation divisions of NIO.
- b) Mr. Joaquim I. Goes, Scientist. B.O.D. and Dr. (Mrs) M.S. Shailaja, Scientist, C.O.D. of NIO guide(two M.Sc students for their dissertation:

3) Details of Research students:

| Research Guide | No. of students | |
|--|-----------------|-----------|
| Ph.D. | Full Time | Part time |
| (a) Dr. T.S.S. Rao Thesis submitted | 3 | 1 |

4) Research Projects

(i) Title: Larval settlement and colonisation of shell fishes of Goa and animal - sedir inter-relationship, sponsored by DOD: Investigator: Dr. T.S.S.Rao

Research Fellows: 1. Ms. Debbie Fernandes M.Sc. (marine sci)

2. Ms. Yashshori Shrivastava M.Sc. (Marine Science)

3. Shri Shripad Bhat M.Sc. (Applied Geology)

(ii) Title: General survey of Lakshadweep for establishing a Marine Park. Report submitted to DOE in Feb 1990. Co-ordinator: Dr.T.S.S. Rao Principal Investigators: 1. Dr. C.L. Rodrigues (Biology Conversation)

2. Dr. G. N. Nayak (Geology)

3. Mr. H. B. Menon (Coastal Dynamics)

4. Mr. S. Upadhyay (Chemistry)

iii) Title: Studies on sediment flux of river, estuary and adjoining coastal water on Goa, West Goast of India, sponsored by DOE.Investigator: Dr. G. N. Nayak

Research Fellows :1. Shri S.S. Bukhari, M.Sc. (Applied Geology)
2. Ms. Bernadine Fernandes, M.Sc. (Marine Sci)

Field Assistants : 1. Ms. kalpana William M.Sc. (Marine Science) 2. Shri Vinod Aigal, B.Sc. (Geology)

iv) Title: Spatial variation in Texture and Mineralogy of Chapora beach, North Goa. West Coast of Ind sponsored by UGC. Investigator: Dr. G.N. Nayak

v) Dissertations

- 1. Sawant, SG., 1990. Investigation on pigmentation, pigment packaging and absorption in mani phytoplankton, M.Sc. Dissertation, Goa University 51pp. (Research guide. Mr. Joaquim I. Goes, Scienti B.O.D. NIO)
- 2. Fernandes S.M. 1990, Distribution of DDTs in edible fishes of Goa. M.Sc. disertation, Goa Univers 51 pp. (Research Guide: Dr(Mrs) Shailaja Scientist, C.0 D., N.I 0.).
- 3. Balamani, A., 1990. Distribution and intraspecific variation in Cellana radiata (Born) at Anjuna, Gc M.Sc. dissertation, Goa University, 53 pp. (Research Guide: Dr. C.L. Rodrigues Reader, Marine Scien department).
- 4. Karunakaran N, 1990. shell morphological analysis of littorinids at Anju,la, M Sc. dissertation, G University 54pp. (Research Guide: Dr.C.L Rodrigues. Reader, Marine science dept.)
- 5. Luis A.J. 1990. Variation in the Morphology of Miramar beach, Goa during 1989 monsoon. Ms: disseatation, Goa University, 47 pp. (Research Guide: Mr. H. B. Menon, Lecturer, Marine Scien Department).
- 6. Sharma P.K. 1990 Responses of a sheltered beach (Miramar beach) Goa, along the west coast India, to monsoonal forcing. M.Sc., Dissertation, Goa University, 54 pp., (Research Guide: Shri H.B. Men(Lecturer Marine Science Department).
- 7 Dharvatcar G B. 1990. Distribution and behaviour of phosphorous during premonsoon in t estuarine waters of the Mandovi river. M Sc. dissertation, Goa University, 71 pp. (Research Guide Shri Upadhyay, Lecturer, Marine Science department).

5) Visitors to the Department:

- 1. Prof Karl Banse, Prof. School of Oceanography, University of Washing, Jn, USA visited the dept. Oct. 1989 and held discussion with Dr. T.S.S.Rao and Dr. C.L. Rodrigues on the academic and resear programme of the department.
- 2. Prof. Gerald J. Bakus, Prof., Dept. of Biological science University of Southern California, USA visit the dept. and held discussion with Dr. T.S.S. Rao and Dr. C.L.Rodrigues on the academic and resear programme of the department.

6) <u>Publications/Participation in seminars, conferences, workshop/ visits abroad/any other developmental work.</u>

a) Dr. T.S.S. Rao

Publications "Marine resources development in the Indian Ocean region - prospects and problem IAPSO pub.sci., No.34 -

b) Dr. C.L. Rodrigues:

Seminar

-participated (with partial sponsorship of Goa Univ.) in the UNESCO-sponsored Regional Trai Course on "Micro-Computer based applications of statistical program packages for environmt scientists of South and Central Asia" held at IS], Calcutta (4th -22nd December 1989).

Research and development

-In connection with the Departmental Project on the General Survey of Lakshadweep for establishil marine park" integrated and edited the materials submitted by the different principal investigators finalised the project report. The project report was submitted in February 1990,

-As part of the M.Sc (Marine Science) curriculum he has guided two students in their dissertation v relating to limpets (Cellona radiata) and littorinids (Nodilittorina pyramidalis, N. Leucoskicta and Littc undulata) pf. Anjuna Goa.

c) Dr. G. N. Nayak

Publications

- a) Distributions of heavy minerals in the beach sediments around Kali river, Karwar west coast of In GSI. special publication No. 24 pp 241-245 Calcutta 1989. G.N. Nayak and V.C.Chavadi.
- b) Variation in texture and mineralogy of a sheltered killebag beach near Karwar, west coast of In(Proc. Nat. Sa,. Recent Quant studies in India pp 122-130, 1989 G.N.Nayak.

Research and development

- a) Attended the workshop on cruise planning for the year 1989-90 organised by NIO, Dona Paula.
- b) Became member of IGCP (International Geological Correlation programme), Project 274, 1989.
- c) Participated in the refresher course on environmental Geology and plate tectonics held at Sagar University, Sagar MP, during October, 1989.
- d) Participated in the department of environment's Western Ghat Research Project assessment workshop held at Mangalore Dec. 1989.

d)Shri H.B. Menon

- a) A paper entitled "Fronts A biogeographic area" had been accepted for presentation in the tl international conference on southern Hemisphere meteorology and oceanography held in Buenos Ail Argentine in November 1989.
 - b) Attended the workshop on sea level variations and its impact held in NTO Goa in 1989.
 - c) Attended a seminar on marine pollution held in NIO Goa in 1989.
 - d) Presented a paper on Fronts in the workshop on Antarctic Resources held in MO Goa in 1990.

e) Participated in the workshop on satellite oceanography held in NIO Goa in 1989.

Research and Development

- a) Submitted thesis entitled "Fronts in the Indian Ocean Sector of southern Ocean" for ph.D. degree Cochin University of science and Technology during Feb 1990.
- b) Guided two M.Sc. students for their dissertation on Morphology dynamics and grainsize of 1 pocket beach along Goa coast.
 - e) Shri S. Upadhyay: Research and Development

Guided one M.Sc. dissertation student on distribution and behaviour of phosphorus dur prthnonsoon in the estuarine waters of the Mandovi river.

Research Fellows:

- 1. Ms. Debbie Fernandes Research and Development participated in a training course on "Induced Carp Breeding" conducted by CIFE (Bombay).
- 2. Ms. Bernadina Fernandes

Research and Development

Worked in the project entitled "General servey of Lakshadweep for establishing a marine park" Rep submitted during Feb 1990.

3! Ms. Kalpana William

Research and development

Worked in the project entitled "General Survey of Lakshadweep for establishing a marine park" Rey submitted during Feb 1990.

Other activities

Dr. G.N.Nayak

a) Texture and Mineralogy of beach sediments between Tiracol and Chapora rivers, Goa west cow. India, Ind. Jour. Mar. Sci. 1990, B.M. Fernandes and G.N. Nayak.

Ms. Bernadina Fernandes.

b) Texture and mineralogy of beach sediments between Tiracol and Chapora rivers, Goa, west cow India, Ind. Jour. mansci., 1990 B.M. Fernandes and G.N. Nayak.

Accepted

c) Texture and mineralogy of beach sediments between Tiracol and Chapora rivers, Goa west coas India, Ind.Jour. Mar.sci. 1990, B.M. Fernandes and G.N. Nayak.

Marine Biotechnology

i) Teaching Staff.

Dr. T.S.S.Rao
 Professor
 M.Sc., D.Sc.
 Dr. U.M.X. Sangodkar
 Reader
 M.Sc., Ph.D.
 Shri Sanjeev Ghadi
 Lecturer
 M.Sc.
 Shri Vijay Kaushik
 Lecturer
 M.Sc.

ii) Contributory Teachers

- 1. Dr. A.H. Parulekar, Dy.Director, NIO, Goa 2 lectures on 'Coastal acquaculture'
- 2. Dr. D. Chandramohan, M.Sc. Ph.D. N10; Goa 6 lectures on Marine Microbiology, 'Coastal aquaculture'
- 3. Dr. S.C. Goswami, M.Sc., NIO. Goa 5 lectures on 'Coastal aquaculture'
- 4. Dr. Z.A. Ansari, M.Sc. Ph.D. NIO. Goa 5 lectures on 'Coastal Aquaculture'
- 5. Dr. Usha Goswami, M.Sc. Ph D., NIO, Goa 6 lectures on 'Coastal Aquaculture'
- 6. Dr. S.R.Sree Kurmaran, Ph.D., NIO Goa 2 lectures on Coastal aquaculture'
- 7. Dr. C.T. Achuthankutty, M.Sc. Ph.D., N.I.O. 1 lecture on 'Coastal aquaculture'
- 8. Dr. Joseph P.Poyan, M.Sc. Ph. D.. NIO 1 lecture on 'Coastal aquaculture'
- Miss Vijaya Ambiye, M.Sc. NIO
 1 lecture on 'Coastal aquaculture'
- Dr. U.K. Dhargalkar, M.Sc. Ph.D., NIO
 3 lectures on 'Coastal aquaculture'
- Dr. Keshava Rao, M.Sc. Ph.D., NIO
 lectures on 'Coastal aquaculture'

- 12. Dr.C.Raghukumar, M.Sc., Ph.D.. N.1.0. 1 lecture on 'Coastal aqualculture'
- 13. Dr. S.Y.S. Singbal, M.Sc. Ph.D., N.1.0., Goa 3 lectures on Pollution/Biodeterioration
- 14. Dr. S. Sanzgiri, M.Sc., Ph.D., NIO, Goa 4 lectures on pollution
- 15. Dr. A. Sarkar, M.Sc., Ph.D., NIO, Goa 3 lectures on pollution
- Dr. R.SenGupta, Dy.Director, NIO
 1 lecture on 'Pollution'
- 17. Dr. S.S.Sawant, M.Sc. Ph.D., NIO,Goa 2 lectures on Biodeterioration.
- 18. Dr. T.V.Ravindran, M.Sc., Ph.D., NIO, Goa 2 lectures on Biodeterioration.
- Dr. N.B. Bhosle, M.Sc., Ph.D. N1O., Goa 2 lectures on Pollution/Biodeterioration
- 20. Dr. Viswas Saranghandar, M.Sc., Ph.D.
 TIER, Bombay 15 lectures on Cell and Developmental Biology.
- 21. Dr. M.V. Joshi M.Sc., Ph.D., Puna University Pune 4 lectures on Animal Tissue Culture.
- 22. Dr. G.N.Nayak, M.Sc. Ph.D., Goa University Lectures on General Oceanography
- 23. Mr.S.J.Saruprya, NIO, Dona Paula 10 lectures on Computer Application
- 24. Dr.C.L.Rodrigues, M.Sc., Ph.D., Goa University lectures on Computer applications.
 - 25. Mr. H.B.Menon, M.Sc., Goa University lectures in General Oceanography.
 - 26. Mr.S.Upadhyay M.Sc., Goa University lectures in General Oceanography.

Participation in Seminars, Conferences, Workshops etc.

Name of the participant

Seminar Conferences etc.

a) Dr. T.S.S.Rao Member, National Committee on Mangro and Coral reefs, Ministry of Environmei

Fores & Wild Life, Govt. of **India**, New D(

Member, Research Committee on Wesi Ghats Development Ministry of Environm Forests & Wild Life, Govt. of India, New D

b) Dr. U.M.X. Sangodkar

I) Delivered a lecture on use Pulse field electrophoresis to map bacterial genes specifying degradation of venobiotics Association of Microbiologists of India, Goa February, 1990.

iv) Publications

1. Haugland, R.A. Sangodkar, UMX

Reapeated sequences including As 11(from Pseudomona; function as is elements. Mol.Gen.Genei (FRG) 220.222-228(1990).

v)Research Students

M.Sc. Biotechnology students have to complete a research project in partial fulfilment of the degrE Following students have completed their dissertations in 1990.

| Supervisor | Students | Title of Research. |
|---------------------|--------------------|---|
| Dr:U.M.X. Sangodkar | 1)Vinita Saraswat | Expression of genes from marine bacterium Alteromones haloplanktis in E. Coli. |
| | 2)Sandhya Tewari | Detection and characterisation of Xyle gene produce from <u>Pseudomonas Cepa</u> |
| | 3) Kshama Chadda | Characterisation of Genomic Library of Altermonas haloplank tis 214 on plasmi sectopn PBR 322 |
| Dr. N. B.Bhosle | 1)Carol Rodrigues | Isolation and scientist, NIO characterisi tion of Extracellular polysacchazide of marine bacteria. |
| Dr D. Chandramohan | 1) Junette Faleiro | Studies on metal and and Dr.S.Achutar drug resistance of a kutty, scientists plasrr brone marine NIO. Micrococcus Sp. |
| | 2) Savita Kerkar | Studies on an antibiotic producing marin streptonycete. |
| Dr. A.G. Untawale | 1) Sangeeta Phal | Extraction, Scientist, NIO Characterisatic & properties of phycocolloids |
| | | |

VI Any other details

Study Tours.

- 1. Students of M.Sc. Biotechnology visited Central Food Technological Research Institute, Mysore a Centre for Cell and Molecular Biology. Hyderabad. They had discussions with the senior scientists abi the various projects. Nov. 1989.
- 2. M.Sc. students visited Jawarharlal Nehru University to conduct Genetic Engineering experiments I 1989.
- 3. M.Sc. students visited the local Biotechnology factories like Arlem Breweries and Cosme Mat Menezes Labs April 1990.

Distinctions

Three students of Marine Biotechnology: Vinita Saraswat Sandhya Tewari and Kshama Chadda w the only students to have passed the joint CSIR-UGC National examination, 1990 from the Goa centre, pursue their doctorate studies.

3.2 DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

Goa University right at its inception identified Computer Science & Technology as one of the thr areas. From the year 1987, a Separate Department of Computer Science and Technology was set-up. begin with, a full-time six semester post-graduate course leading to the degree of Master in Compt Applications (MCA) was started from the academic year 1987-88.

During the year under report 30 students were selected for admission to the MCA course out of eligible candidates. The selection was made through and Entrance Test held on 20-6-89. Finally, only students registered their names for the first semester of the MCA course in addition to 223 and 17 stude who registered for 3 and 5 semester respectively.

The functioning of the Computer Lab installed with a UNIX based system alongwith necess peripherals and PC/XTs and PC/ATs was satisfactory throughout with all three batches of MCA stude working. At times, the system had to be operated on Sundays and holidays for semester VI students v were working on their projects. MMS students were also given the facility of working on PCs on Sund, for a specific period.

(i) Teaching and Research staff in the Department Regular faculty

1. Dr. S.M.Vaidya Professor & Head M.Sc., Ph.D.

2. Shri V.V.Kamat Lecturer M.Phil. in Computer Sc.

3. Shri S.A.M. Rizvi Lecturer

M.Sc. (Maths) DCA in Computer Science.

4. Shri S.D.Kamat Lecturer M. Tech. in Computer

Science

5. Shri V.V. Navelkar Lecturer M.S. (Computer Sc.)

M.S. (Ind. & Mgm. System Engg.)

(ii) Contributory Teachers

- 1. Dr. S.P. Pethe, Maths Deptt. Goa University delivered 24 lectures on "Discrete Matherm Structure".
- 2. Shri J.A. Menezes, Dhempe College of Arts and Science Panaji delivered 40 lectures on "Com! Oriented Statistical Methods".
 - 3. Shri S.U. Kamat, Dhempe College of Arts and Science delivered 44 lectures on "Linear Algbra".
- 4. Shri U. Amonkar, Goa College of Engineering, Farmagudi, delivered 24 lectures on "Computer-b Optimisation Model-1 and 45 lectures on Computer based Optimisation Model II.
- 5. Shri Alito Sequeira, (8 lectures), Sharish Hegde (16 lectures) and Manjit Singh (10 lecti Sociology Department, Goa University delivered lectureS on "Introductory Behavioural Sciences".
- 6. Shri Satish Hegde (31 lectures) & Shri Satish Kumar (14 lectures) from Business Administr Department, Goa University delivered lectures on "Introductional Structure".
- 7. Shri U. Katre, Chowgule College delivered 40 lectures on "Performance Evaluation of Corn Systems and Computer Centre Management" and 44 lectures on "Business Data Processing".
- 8. Shri B. Ramesh, Commerce Department, Goa University delivered 46 lectures on "Accountinc Financial Management".
- 9. Dr. R.G. Vellinguiri, Asstt. Professor in Mathematics Goa Engineering College, Farmagudi deliN 33 lectures on "Computer Oriented Numerical Methods".
- 10. Shri D.B. Muzumdar, Chowgule College Margao-Goa delivered 34 lectures on "Manai Economics".
 - 11.Dr. G.R. Bhat. Goa University delivered 40 lectures on "Computer Graphics".
- 12. Dr. Shreekumar and Shri Satish Kumar from Business Management Department, Goa Univ delivered 32 lectures on "Systems and Information Concepts in Organisations".
- (iii) Dr. PA. Koparkar, Senior Staff Scientist National Centre for Software Technology, Bombay, dal lectures to MCA students in the 2nd week of April, 1990.

4.1 <u>DEPARTMENT OF COMMERCE</u>

Professor S.M. Bijli took over as Professor and Head of Department of Commerce on the E September, 1989.

- 1. The Board of Studies was reconstituted and Professors of Eminence were nominated on the Bo
- 2. Ph. D. Programme was introduced. Two students were enrolled for Ph.D. under the supervisi Professor S.M. Bijli.

- 3. The Syllabi from M.Com. I & II was revised thoroughly. The Board of Studies recommended opening of M.Phil course for the academic session 1990-91.
- 4. The number of students enrolled for <u>M.Com</u>. I & II were almost 200 out of which only 50% we regular. Hence the Board of Studies recommended Semester strength in <u>M.Com</u>. effective for 1990-91 a the courses were revised.
- 5. Improvement in Examination System: All papers in the post-graduate course of Commerce habeen sent to renounced Professors of Universities all over the country.
- 6. The Guest Faculty comprising of Professors of Eminence were invited. Special mention may I made of Professor M.C. Shukla Professor Emeritus, Delhi University, Professor S. N. Malhotra Professor Commerce, Benaras University, Professor Mahendra Kaura, Administrative Staff College, Hyderabad, a Dr, S.M. Waseem, Aligarh University, Professor B.C. Tandon, Dean of Management studies, New Delhi.
- 7. Professor S.M. Bijli and Mr. Nandkumar were deputed to attend the All India Commerce Conferen held at Jammu in October, 1989 under the auspices of Jammu University in which papers were read.
- 8. Dr. PN. Reddy, Lecturer in Commerce published his Ph.D. Thesis on Marketing Problems in Sm Scale Industries.
- 9. Professor S.M. Bijli completed a book under the caption "An Anatomy of Social Ethics" which h been accepted by Sterling Publishers, Delhi.
- 10.Mr. B. Ramesh, Lecturer in Commerce and Mr. Satish Hegde, Lecturer in Management Studies ha completed a Project Work on SBI Market Survey of Customers Services in Goa sponsored by the StE Bank of India for which Rs. 1,00,000/- was granted by SBI.
- 11. Two posts Of Readers were not filled in since the candidates interviewed were not found suitab The overall discipline of the faculty was admirable.

4.2 DEPARTMENT OF MANAGEMENT STUDIES

Professor S.M. Bijli took over as Professor and Head of the Department of Management Studies well as the Dean of the Faculty.

- 1. The Board of Studies was reconstituted and Professors of eminence were nominated to the Board.
- 2. Semester system introduced for MMS based on Bajaj Institute of Management. Syllabi w completely recast and updated keeping pace with the latest developments in the management discipline.
 - 3. The results of the MMS was hundred percent this year.
 - 4. Dr. A. Sreekumar, Dr. J.B. Nadda were appointed Readers and Mr. M.S. Dayanand as lecture.
 - 5. The number of students in MMS I year (1989-90) was 30.
- 6. Most of the students who passed last year have got placement and as Junior Executives in reput organisations.
 - 7. One student is doing his Ph.D. under the guidance of Dr.A. Sreekumar.
- 8. Department of Management Studies organised a seminar on 'Managing 2000s' in january 1990 a an industrial fair is being organised by the MMS students in December this year.

- 9. The Guest Faculty comprising of Professor of eminence were invited. Special mention may be rr of Professor M.C. Shukla, Professor B.C. Tandon, Professor S.N. Mehrotra, Professor S.M. Was(Professor D.M. Pestonji, Professor Moosa A. Baker, Professor mohinder Kaura, Professor D. Tripathi Masood Hassan etc.
- 10. The management department started a fortnightly newsletter 'Excelsion' reflecting the activitiE the department and also reviewing the recent trends in management all over the world.
- 11. Dr. A. Sreekumar attended a conference on management education at the Indian Institut Management, Ahmedabad. His paper was well received.
 - 12. Mr. S.G. Hegde was deputed to attend a workshop on Human Behaviour at Calicut University.
- 13. Mr. Satish Kumar was deputed for one year Faculty Development programme at the Indian Inst of Management, Ahmedabad sponsored by **U** G.C. The overall discipline was admirable.

5.1 - CENTRE FOR LATIN AMERICAN STUDIES.

i) Teaching Staff

1) Abdul Nafey **M.A.,** Ph.D.

Reader & Head of the Dept. upto Feb' 1990.

2) Archana Kakodkar B.Sc., M.A.,M.Lib.Sc. **Documentation Officer**

ii) Teaching Programme

The Centre offers as many as eight elective courses to the post-graduate students of History, Poll science, Economics & Sociology. These courses are General History of Latin America; History of Me since 1876; Government and Politics in Latin America; Foreign Policies of major Latin American count survey of Latin America; and Society in Peru.

iii) Participation in Seminars, Conferences, Workshops.

Dr. Abdul Nafey Paper Presented

1. India - Brazil Relations, seminar organised by Goa Archives, 27-28 Feb 1990

Archana Kakodkar Papers Presented

- 1. Public Libraries in Goa: A Case study, Indian Public Library Association, 2nd Seminar, Pune.
- 2. Karve & Emancipation of Women: Seminar organised by Goa University, on Socio Religions Refc movements in western Maharashtra, Feb, 1990.
- 3. Sources for the study of Goa-Brazil relations, seminar organised by Goa Archives, on India-E relation.

Workshops, Conferences & Meetings Attended

1. Indian Library Association, Annual Conference, Pune.

- 2. Workshop on 'Preservation of Books' by Fred Marsh.
- 3. Meeting of JOGAI, Joint Committee of Library Association in India, Pune.
- 4. Youth festival organised by UGC at Roorkee University, Rookee, with the students of Goa Universit)

Academic Performance:

- 1. Appointed Academic Counsellor in Library Science by IGNOU. Western rtgional centre, Marge Goa for information science & Library & Society.
 - 2. Honorary teachers of reference service for Library science certificate course, Govt. of Maharashtra

(iv) Research Projects in Progress:

- 1. Bibliography of Indo Brazilian Literature.
- 2. Bibliography of Indian writers on Latin America

(v) Other details

Index for "Plays of Sri Auribindo": A critical study" by Dr. S.S. Kulkarni, published by Goa University.

5.2 **CENTRE FOR WOMEN'S STUDIES**

General:

In February, 1988. under its VII plan, the University with the assistance of the Department of Socioloc made a proposal to the U.G.c. **for** a centre for women's studies at the University with the objectives creating facilities for research. teaching and extension activities relating to women's problems. The U.G. approved the proposal in May, 1988. The centre has started functioning under the charge of Shri S.R. Ph Head Department of Sociology, **from** July, 1988.

2. Staff:

 Shri S.R. Phal Reader & Head Dept. of Sociology. In-charge

Mrs. Sherin Antao M.A. Social Service(T.I.S.S.) Research Officer

3. Activities of the Centre:

1. Documentation:

The Centre is documenting the literature on women existing in different libraries in Goa.

2. Books and Journals:

The Centre was given a book grant of Rs. 40.000/- by the Ford Foundation for purchasing books women. It purchase about 200 titles under this grant.

4. Research Projects:

The centre has completed a research project on "Women and Law in Goa. The report of the projec being prepared for publication.

5. Other Activities:

- 1. The Research officer of the centre. for Women's studies attended a National workshop on "So Cybernatics: organised by 1.1.1. Delhi on, April 19-20 1990.
- 2. The centre has initiated developmental programmes for women with the assistance of the staff k• students of Carmel College for women, Nuvem, Goa and Goa College of Home Science, Bambolim, Go4

CHAPTER - III

AFFILIATED COLLEGES AND INSTITUTIONS RECOGNISED BY THE UNIVERSITY

As stated earlier, the Goa University began functioning w.e.f June, 1985when the Goa University 1984 came into force in this state.

As on March 31st 1990 there were 26 affiliated colleges and 5 institutions recgonised by the Univer: A list of these colleges and Institutions as on that date appended as Annexure VIII.

A brief report on the activities of various insttutions is given in this Chapter.

A - Colleges other than professional

,...,Adr DHEMPE COLLEGE OF ARTS & SCIENCE, PANAJIGOA

The College was established in June, 1962 and was permanently affiliated to the Goa University fr 19-6-86 in approved subjects leading to B.A. & B.Sc. degress.

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

Hostel facilities are also provided by the Coliege seperately for boys and girls. During the year un report, the number of male hostalities was 64 and that of female 59.

Details of Teaching Staff

Principal: Shri G.V. Nadkarni

Departments Teaching Strength

| Department | Designation | Number of Teachers |
|---------------------------|---------------------------|--------------------|
| (a) <u>Science stream</u> | | |
| i) Mathematics | Lectures | 4 |
| ii) Chemistry | Lectures Demonstrators | 9 2 |
| iii)Physics | Lecturers | 6 |
| iv)Botany | Lecturers | 7 |
| v) Zoology | Lecturers | 7 |
| vi)Geology | Lecturers | 6 |

| (b) Arts Stream | | | |
|--------------------------------|-------------------------------|----------------|--|
| i) English | Lecturers | 7 | |
| ii) | Economics | Lecturers | 2 |
| iii) | Political Scie | nceLecturers | 5 1 |
| iv) | History | Lecturers | 2 |
| v)Philosophy | Lecturers | 3 | |
| vi) | Marathi | Lecturers | 3 |
| vii) | Psychology | Lecturers | 1 |
| viii) | Hindi | Lecturers | 2 |
| ix) | French | Lecturer | 1 |
| x) | Physical Educ | cation | |
| Director | 1 | | |
| Ill. <u>Non teaching staff</u> | | | |
| i) Librarian | | 1 | |
| ii) Superintendent | | 1 | |
| iii) Senior Stenographer | | 1 | |
| iv) Accountant | | 1 | |
| v) Sr. Clerk | | 2 | |
| vi) Laboratory Asstt. | | 4 | |
| vii) | | | Jr. Clerk 6 |
| viii) 34 | | | Class IV staff |
| iv) Enrolment and results | | | |
| Course | Total enrolment Boys girls | t F Total N | ieade/୩a/ge result Mar/Apr'88 Oct/No. '89 |
| | 57 135 | 192 | |
| F.Y.B.A. | 48 145 | 193 | |

93

132

64.55%

48.36%

39

S.Y.B.A.

| F.Y.B.Sc. | 73 | 72 | ii 145 | |
|--------------------------------|----|----|-----------|--|
| S.YB.Sc. | 51 | 65 | 116 | |
| T.Y.B.Sc. | 91 | 73 | 164 | 79% 67.85% |
| V) Extra Curricular Activities | - | | | |
| a) <u>Sports</u> | | | | i) The Men's footb University Intercollegiate championshi |
| | | | | ii) In the weight-lifting competition secured first position in the Inter- collegiate competition of the Goa University. |
| | | | | iii) Women secured second place in cricket in the Goa University Inter Collegiate tournament for the second consecutive year. |
| b) N.C.C. | | | | · |
| Unit | | | | No. of students enrolled 1989-90 |
| N.C.C. Boys Navy Army | | | | 50 80 |
| N.C.C. girls Navy | | | | 20 |
| N.S.S | | | | |

i) on Gandhi jayanti Day the volunteers took up the cleaning work around slum area near To Municipal Quarters for the class IV employees with the help of Shri Manohar Pal.

ii) Volunteers helped the staff of Central Library in arranging cleaning & labelling books.

iii) Volunteers assisted in fund-collection for Tuberculosis Association of India and Red cross sociel India. The Amount collected was Rs. 2700/- for TB. Association and Rs. 300/- for Red Cross Society.

iv) Volunteers also helped the inmates of 'Asha Mahal' the house of destitutes for women and chili at Taleigao by helping the inmates in health care, talching, gardening, etc.

SMT. PARVATIBAI CHOWGULE CULTURAL FOUNDATION'S COLLEGE 01 ARTS & SCIENCE, MARGAO-GOA

Established in June 1962 the College caters to instruction in approved subjects leading to B.A. B.Sc.

The college is managed by the Chowgule Education Society and functions in its own buili consisting of four independent blocks each with a hall and two bedrooms, plus one Block for the Rectc the Hostel. The College playground has facilities for all major games like Cricket, Volley-ball, Basket-Tennikot, athletics, etc.

Hostel facilities are provided only for boys.

Details of Teaching staff

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

Department Teaching Strength

| Department (1) | Designation (2) | Number of teachers (3) |
|----------------------|-----------------|------------------------|
| A-Science Stream | | |
| i) Physics | Lecturers | 8 |
| ii)Chemistry | Lecturers | 11 |
| iii) Botany | Lecturers | 5 |
| iv) Zoology | Lecturers | 5 |
| v) Mathematics | Lecturers | 4 |
| <i>vi)</i> Geology | Lecturers | 3 |
| B-Arts stream | | |
| 2.5.11 | | _ |
| i) English | Lecturers | 5 |
| ii) Economics | Lecturers | 4 |
| iii)Geography | Lecturers | '3 |
| iv)Political Science | Lecturers | 1 |
| v) History | Lecturer | 3 |
| vi)Logic | Lecturer | 2 |
| vii) | Philosophy | Lecturer 2 |

| viii) | F | |
|----------------------------|----------|--|
| rench | Lectbrer | |
| ix) Sanskrit Sociology | Lecturer | |
| x) Marathi | Lecturer | 1 |
| xi) Hindi | Lecturer | 2 2 |
| xii) | С | |
| omputer Science | Lecturer | |
| Non-teaching staff | | |
| :\ Lload alore | | 1 |
| i) Head clerk | | 2 |
| ii) Junior Stenographe | :1 | 1 |
| iii)Senior clerk | | 2 5 |
| iv) Asst. clerk | | 23 |
| v) Junior clerk | | 2 |
| vi) Laboratory Asstt. | | 13 |
| vii) Clerk Typists | | |
| viii) Librarian | | 1 |
| ix) Laboratory Attende | nts | 20 |
| x) Library Asstt. | | 1 |
| xi) Class IV staff | | i) The girls team vv |
| xii) Jr Programme | r | volley-ball in inter-collegiate competitil |
| Extra Curricular activitie | <u>s</u> | ii The Men's Championship in Athletic was won this College. |
| a) <u>Sports</u> | | iii) Mr. Royston D'Souza won the individual championship for men in th All Goa Inter-Collegiate Athletic meet. |

b) N.C.C.

c) NSS a

All 3 units, of NC their calendar in July 1989. Cadets c the units participated in various ever organised at different places in the country. Projects like blood donation vanamahotsava, fund raising for Goa Cross Society; cycle expedition curt trekking etc. were organised during year.

NSS activities for the year started in 1989. Various projects were undertal by the volunteers. Projects like Libra assistance Scheme, Health service, educational programmes fund raisin for Goa Red Cross society, etc. got c response both from students who worked as volunteer, as also institutk which put the man-power to the best possible use.

A-3 St. Xavier's College, Mapusa - Goa

This is a Diocesan College which was established in June, 1963 by th3 Archdiocese of Goa al Daman. It caters to instruction in the approved subjects leading to B.A. and B.Sc degree.

Till May, 1968 the College was housed in a High School building located at Bastora, after which it w shifted to its premises in the new spacious campus at Mapusa. These premises consist of three bloc one each for science, Arts and administrative cum teaching activities. There are 18 classrooms besid other spacious rooms wherein various curricular and extra-curricular activities are being conducted. TI college has its own playground occupying an area of 12,000 sq.mts. Facilities for various types of gam are being provided by the college. There is also a hostel for boys near the college and a hostel for gir Which is located at Corlim, Mapusa. At present 23 students are provided with hostel accomodation.

Details of Teaching staff

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

| Department | Designation A-Science Faculty | No. of teachers |
|------------------|--------------------------------------|-----------------|
| I) Chemistry | Lecturers | 7 |
| ii) Physics | Lecturers | 2 |
| iii)Life Science | Lecturers | 3 |
| iv)Microbiology | Lecturers | 4 |
| v) Mathematics | Lecturers | 12 |
| vi) | Biochemistr | 2 |
| | yLecturers | 1 |
| | B-Arts Faculty | 1 |
| i) Economics | Lecturers | 2 |
| ii) Commerce | Lecturers | 2 2 1 1(part |
| iii) History | Lecturers | time) |
| iv)Philosophy | Lecturers | , |
| v) Psychology | Lecturers | |
| vi)English | Lecturers | |
| vii)Hindi | Lecturers | |
| viii) | Marathi | |

| x) Portuguese | Lecturer | 1 |
|---------------------|----------|----|
| Non-teaching staff: | | |
| I) Superintendent | | 1 |
| ii) Head Clerk | | 1 |
| iii) Clerks | | 4 |
| iv)Librarian | | 1 |
| v) Store keeper | | 1 |
| vi) | | С |
| lass IV staff | | 12 |

Enrolment, Results

| Course | Total Enrolments | | | Percentage,Results of Final year | |
|--------------|------------------|-------|-------|----------------------------------|--|
| | Boys | Girls | Total | March/April | |
| FY. Arts | 63 | 101 | 164 | | |
| S.Y.Arts | 40 | 111 | 151 | | |
| T.Y. Arts | 73 | 119 | 192 | 67% | |
| F.Y. Science | 40 | 48 | 88 | | |
| S.Y. Science | 35 | 34 | 69 | | |
| T.Y. Science | 36 | 41 | 77 | 83% | |
| | | | irT | | |

Faculty Improvement °rogramme A 3-day programme was held at the St. Xavier's College, wherl 50 teachers participated, with a view to improving upon the realisation of the goals of the institution in field of education.

| Library | ii | |
|-------------------------|----|--------|
| i) Books | | 27,000 |
| ii) Academic Journals | | 57 |
| II) Acadelliic Journals | | • |

Extra Curricular Activities

The students participated very actively in various cultural associations like Economics, Philosophy-Psychology, Science, Konkani Sahitya Mandal, Hindi-Marathi - Sanskrit Association Luso French Association, English Circle etc.

Students besides writing for the Annual College Magazine, publish also once in two months a news and values bulletin named 'Impact'. The students participate also in various games organised by the University. Women's team won the following championships: Kho-Kho, Football, Hockey. They were runners up in Athletics, Inter-collegiate Cross country race. The boys teams were runners up in football, chess & table-tennis. They participated in various literary, artistic and cultural programmes organised by various associations like Lions Club, Rotary Club etc. winning first prizes on several occassions.

A-4 <u>Dempo Charities Trusts' Srinivassa Sinai Dempo College of</u> Commerce 7& Economics, Altinho, Panaji-Goa

This College, established in June 1966 and is run by the Dempo Charities Trust impart instruction in approved subjects leading to B.Com degree. The institution is located at Altinho, Panaji and functions rented building belonging to the Govt. of Goa.

Besides 8 classrooms, the College building accommodates its office, library, reading room, etc. In eXtra-curricular field, the College provides facilities for indoor games like table-tennis, badminton, can chess and outdoor games like volley-ball, football, basket-ball, cricket, hockey and athletics for wl 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 lecturer in English.

Teaching staff:

| Category | Full time | Part time |
|--------------|-----------|-----------|
| Permanent | 10 | 3 |
| Probationary | | |
| Temporary | | 2 |

Departmentwise Teaching Strehgth

| Department | Designation | No. of | Teachers | |
|----------------------------|-------------|----------------|--------------|---------|
| I) English | Lecturer | 2 | | |
| ii) Economics | | 3 | | |
| iii) Geography | | 1 | | |
| iv)Commerce | | 2 | | |
| v) Maths, Statistics | | 1 | | |
| vi) F.C.8t.Indl. Psycholog | у | 1 | | |
| vii)Accountancy | | 4 (1 te | emp.) | |
| viii) | | | Business Law | 1 Temp. |
| ix) Physical Education | | 1 | | |

Details of Non-Teaching staff:

| I) Librarian | 1 |
|--------------------|---|
| ii) Superintendent | 1 |
| iii) Head Clerk | 1 |
| iv) Senior Clerk | 1 |
| v) Junior gerk | 3 |
| vi) Steno-typist | 1 |
| | |

Library:

vii) Class IV Staff

| Text books | 4950 |
|---------------------------------|-------|
| Other books including reference | 11421 |
| Periodicals | 12 |
| academic journals | 38 |

N.C.C., Sports, Debates, Cultural Activities, NSS Educational and Extension works etc.

<u>Cultural activities:</u> The college participated in youth activities arranged by the Dhempe College of and Science. Miramar, the Goa Engineering College, Farmagudi and VN,S. Bandekar college Commerce, Mapusa, The College celebrated the birth anniversary of Swami Vivekanand as part of Ye week programme. The death aniversary of Mahatma Gandhi was observed on 30th January, 1989 Martyr's Day. The students also arranged a picnic and a hike.

6

2. Sports Achievements of students 1989-90.

Table-Tennis (Men)
 Table-Tennis (Women)
 Best Physique
 Winners

- 4. The following teams reached the semi-finals.
 - 1. Basket-ball (Men)
 - 2. Hockey (Men)
 - 3. Kabaddi (Men)
 - 4. Basket-ball (Women)

5. Athletics

The performance at the Inter-Collegiate Athletic Meet was satisfactory.

Shri Cyril D'Souza secured first place in 800 Mtr, 1500 Mtr. and 5000 Mtr. Run.

Shri Shivadatta Shetye secured 3rd place in shot-put and discuss-throw.

Shri Arun Gaonkar secured 3rd place in 20 Km. Walk, Weight-lifting, power-lifting and the best-physic competition. The performance was guite satisfactory.

Shri Anthony Fernandes was named 'Goa University Body Building Shri' for the year 1989-90.

Shri Rajendra Kambli secured first place in weight-lifting and third in best-physique.

Shri Agnelo Fernandes secured third place in (weight-lifting and power-lifting)

The following players from the college were selected to represent Goa University in various games under:-

Basket-Ball (Men) Joseph Fernandes

Volley-Ball (Men) Agnelo Fernandes

Cricket (Men) Girish Parekh Sandeep Naik

Vinay Wagle.

The following players were selected for Goa Ranji Trophy Cricket tournament

- 1) Jayesh Shetty
- 2) Sandeep Naik.

The Planning Forum.

The activities of the Forum started with the inauguration of the Forum by Dr. S.K. Gandhe, Regist Goa University. He also delivered a speech on "Population Growth and its impact on India". This yl there was an enthusiastic response to the membership drive and many students of the degree sect joined the forum and took active part in the activities conducted among which was the 'Economic Qu The T.Y.B.Com students, Miss Shilpa Rao and Miss Nirupama Manurkar bagged the honours in the s Quiz. Similarly, many essays were written on economic issues, notable among them being 'Growth population in India' by Aditi Shetye and Pranoti Nadkarni and 'Europe - 1992' by Laxminarayan Nukla.

Literary Activities.

The Traditional Poets' Meet was held on 22nd Sept. 1989, in which distinguished poets from the St participated. Shri Ravikiran Sane, co-editor, Daily Gomantak, presided over the meet. Sayed Mu Krishna Murgaonkar and Tennyson Fernandes were among the student poets who deserved a word praise.

Shri Tennyson Fernandes of Second year <u>B.Com</u> bagged several prizes at Elocution competitions was adjudged as the best speaker of the year.

The Annual Inter-Collegiate Elocution competition for Late Dr. Y.V. Lawande and Shri Vasant BhE Memorial Rolling Shields was held on 31st January, 1990. In all 5 Colleges participated in the competit Carmel College, Nuvem bagged both the shields for individual as well as team performance.

The students presented a group programme on All India Radio, Panaji. Sarvashri Somnath Saw Rajendra Annonkar, Deepak Annonkar, Sanjeev Kenkre, Dharmendra Bhagat, Vasudeo Gawas and K Reema Naik Chodankar participated.

The College bagged the first prize at the Inter-Collegiate One-Act play competition arranged by Kale Academy. The students performed the Konkani play "Mahasagarantlem Tarun" by Pundalik N directed by Ravindra Amonkar. Prizes for the best acting were bagged by Shri Deepak Amonkar Somnath Sawant respectively students of the College.

The N.S.S.

The NSS unit re-directed its energies towards goals of social service this year too. The regular activities were launched with a tree plantation programme. The Vanamahotsava was celebrate (different parts of Panaji and also in places like Porvorim, Merces etc. Another project which impres many and attained the great success was the Malaria detection and prevention survey. A large numbe volunteers participated and covered entire city of Panaji. Besides this the N.S.S. programme also inclu projects like road repairs awareness of cleanliness, material-collection, survey on behalf of LIC, anti-do campaign and other educational projects. During the youth week "Yoga" classes were conducted. Sa) mobilisation project was implemented in the month of February. Its blood donation project evoked good reponse from the students and a record number of them donated blood to the GMC blood bank. volunteers also collected funds for the Tuberculosis association by selling their seals. The special camr programme was held at Khotigaon of Cancona Taluka for 10 days. Not only an approach road I constructed but also projects like socio-economic survey, health education campaign, cultural program material distribution and sports contest for rural children and students were arranged.

The Library:

During the year Canon copier machine has entered the library to fulfil the requirement of staff students.

A-5 Carmel College of Arts & Science for Women, Nuvem-Goa.

The college was established in the year 1964 to impart instuction in the approved subjects leadint B.A., B.Sc. and B.Com degrees. Run by the Apostolic Carmel Education Society, the institutioi exclusively meant for women. It has its own building having 12 lecture and 8 tutorial rooms, besides o space to carry out its administrative, curricular and facilities for sports like athletics, basketball volleyl tennikoit, table tennis etc. No hostel facilities are provided by the institution.

Details of Teaching Staff:

a) Designation wise.

| I) <u>In Science Stream</u> | | |
|--------------------------------|-----------|----------------|
| Sr. Lecturers | | 6 |
| Lecturers | | 11 |
| ii) In Arts Stream | | |
| Principal | | 1 |
| Vice Principal | | 1 |
| Sr. Lecturers | | 3 |
| Lecturers | | 7 |
| iii) In Commerce Stream | | |
| Lecturers | | 3 |
| (b) <u>Statuswise</u> | | |
| Status Full time | Part time | Lecture basis. |
| Permanent 20 | | |
| Probationary | | |
| Temporary 11 | 2 | 3 |
| Details of Non-Teaching Staff. | | |
| (i) | | Off. Suptd. 1 |
| (ii) Librarian | | 1 |
| (iii) Accountant | | 1 |

| (iv)Lab. Attendant | 4 |
|--------------------------|---|
| (v) Lower Division Clerk | 2 |
| (vi) | С |
| lass IV Staff | 6 |

Enrolment and Results

| Branch of study Course | Total enrolment | | esults of final year Mar/Apr'90 ⁻ Oct/Nov'89 |
|---------------------------|-----------------|-------|--|
| F.Y.B.A | 100 | 89 | |
| S.Y.B.A. | 103 | | |
| TY.B.A. | 64 | 89.7% | 74% 87.5% |
| F.Y.B.Sc. | 51 | | |
| S.Y.B.Sc. | 33 | | |
| T.Y.B.Sc. | 24 | 72.7% | 1 0 0 % |
| F.Y.B.Com | 72 | | |
| S.Y.B.Com | 56 | | |
| T.Y.B.Com | 52 | Nil | 42% |

Extra curricular activitieirL:

a) Sports

Various facilities were provided for students to do better in the field of sports. The students participati in games like basketball, Volley-ball, badminton, Table-Tennis, Tennikoit, hockey, athletics etc. The colle has provided grounds for these games. A new football ground has been developed for the benefit sportwomen.

b) Debates

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

c) Cultural activities

These activities were held in the college as a part of various functions. Students were encouraged participate in these activities and they were instrumented in bringing out the artistic potential in the Activities were held on a grand scale at the tune of closing ceremony of the college silver jubilee year.

d) N.C.C.

Regular parades were held twice a week. Students participated actively and keenly in various activiti and in the annual camp.

| е |) | ۸ | . | S. | S. |
|-----|---|---|----------|----|----|
| · · | , | • | • | ٠. | o. |

The volunteers under the guidance of the N.S.S. Programme officer undertook various duties giving tutions to the poor, visit to the Home of the Aged and helping the inmated of the Home and assist the library staff of the Municipal Library.

f)Library

Periodicals/Journals 70 Books 13,877

A-6 <u>Murgaon Education Society's College of Arts & Commerce</u> <u>Zuarinagar-Goa.</u>

The College established in June 1972 is run by the Murgaon Education Society and imparts instruc in the approved subjects leading to B.A. and B.Com degrees.

The Society runs the institution in its own two-storeyed building which has eleven lecture rooms other requirement 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 outdoor games. The College has, however, no hostel facilities.

Details of Teaching Staff:

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

Departmentwise Teaching Staff

| Department | Designation | No. of teachers |
|-------------------------------------|-------------|----------------------|
| i) Economics | Lecturers | 4 |
| ii) | | English 1 |
| iii) Hindi/Marathi | | 1 |
| iv) Maths/Statistics | | 1 |
| v) Psychology/Phil | | 2 |
| vi) Political Science | | 2 |
| vii) | | Geography 1 |
| viii) | | Accounts 3 |
| ix) Business Management | | 2 |
| x) Sociology | | 1 |
| xi) Law | | 1 |
| xii) | | Physical Education 1 |
| xiii) olitical science & sociology. | | P 1 |

Details of Non-Teaching staff.

| i) Superintendent | 1 |
|--------------------------------|---|
| ii) Librarian | 1 |
| iii) Dy. Accountant/Head Clerk | 1 |
| iv) Stenotypist | 1 |
| v) LDC | 1 |
| vi) UDC | 2 |
| vii) | С |
| lass IV Staff | 6 |

Statistical details regarding Teaching Courses and students.

| Degree to be awarded | Duration of degree course | | No. of (Sex v | | nts admi | tted in 1989-90 | |
|----------------------|---------------------------|-------|------------------|-----|----------|-----------------|-------|
| | | | | FY | SY | TY | Total |
| BA | 3 yrs | Boys | | 49 | 25 | 29 | 103 |
| | | Girls | | 68 | 63 | 44 | 175 |
| | | | | 117 | 88 | 73 | 278 |
| <u>B.Com</u> | 3 yrs | Boys | | 117 | 80 | 75 | 272 |
| | | Girls | 66 | | 60 | 67 | 193 |
| | | | | 183 | 140 | 142 | 465 |

Percentagewise Results.

| March/April 1989 | T.Y.B.A. | 61% |
|------------------|-----------|-----|
| | T.Y.B.Com | 60% |
| March/April 1990 | | 79% |
| | T.Y.B.Com | 33% |

Library

No. of Text books 344

No. of Reference Books 8594

| No. of Periodicals | 60 |
|--------------------|----|
| Academic Journals | 35 |

Extra curricular activities

| a) | N.C.C. |
|----|--------|
| | |

Some cadets participated in Republic Day Parade at Delhi, and few sucessfully completed adventur cycle expedition from Vasco to Pune. The college campus was the venue for the 600 strong, All Goa l' Naval wing 'training camp for 10 days in the month of Nov. 89. At this camp the cadets won prizes for ci country running & Elocution competitions. The College has Army, Navy and Girls NCC wings.

b) Sports:

Some students won gold medals at University Sports meet and represented Goa University, Goa S and India. A student represented Goa University at the All India Inter-University, Inter Zonal fool Tournment.

c) NSS:

It undertook a massive fund raising programme for the benefit of Indian Red Cross, Goa Bench. NSS volunteers have done an excellent job of watering and protecting 1000 trees planted on 25 E college campus under the social forestry programme.

A-7 <u>ya Vikas Mandal's Shree Damodar College of Commerce & Economics</u> Margao, Goa.

The College was established in June 1973 to impart instructions in the approved subjects leading B.Com degree. The college is run by the Vidya Vikas Mandal, Margao.

1. Accomodation (Class Room)

- 1. The college building belongs to the society which runs the college.
- 2. The ownerships of the building is with the society.
- 3. The land of the building is on leasehold.

2. Teaching Staff:

(1) Number of the teaching staff:

| Category | Full-time | Part-time |
|--------------|-----------|-----------|
| Permanent | 13 | 05 |
| Probationary | | |
| Temporary | 03 | 02 |

3. Details about the Faculty Improvement Programme as implemented by the College.

Prof. S.B. Mulay and Prof. Bhasker Wyak attended Refresher course organised by Tata Institute Social Sciences, Bombay, from Feb'19 to Feb'24, 1990

Prof. V.G. Petit attended the Refresher Course in Mathematical and statistical Techniques of .0 University June 4 - 24, 1990.

Prof. Nirmal Gopinathan attended XI Orientation Course of Academic Staff College from September 1989 to October '1989.

4. Details about Teaching staff

Principal: D.V. Borkar who is Lecturer in Commerce.

| Department | No. of lecturers |
|--------------------------|------------------|
| Commerce | 3 |
| Business Management | 1 |
| Economics | 5 |
| Mathematics & Statistics | 2 |

| Accounts | 5 |
|----------------------------------|---|
| Business Law | 2 |
| Geography | 1 |
| English | 1 |
| English & Business Communication | 1 |

5 Non-Teaching Staff

Details of the Library and all other Non-teaching staff:

| Designation | Number |
|-----------------------|--------|
| Office Superintendent | 1 |
| Librarian | 1 |
| Accountant | 1 |
| Jr. Stenographer | 1 |
| Library Assistant | 1 |
| Clerk | 3 |
| Peon | 5 |
| Sweeper | 2 |

6. Library:

Total number of text/reference books/periodicals/academic journals in the Library.

| Total No. of Books | 7930 |
|--------------------------|------|
| No. of Reference | 4454 |
| No. of Text Books | 2196 |
| No. of academic journals | 40 |
| No. of periodicals | 28 |

7. N.C.C., Sports, Debates, Cultural Activities, N.S.S., Educational and Extension Works, etc. N.C.C.

^{1.} Cadet Captain Shailesh Bharne attended the fifth All India Trekking Expedition held at Song Pii Cadet Shailesh Vodolkar attended Nau Sainik Camp and also advance leadership camp held at Vishak

pattanam and Cochin during June 1989.

PO. Cadet Thomas Pereira had the unique distinction of attending all these three Camps.

Two of our Naval cadets were selected for R.D. Camp. They were PO/Cadet Satish Mhalsel Ldg/Cadet Sanjeev P Vasta.

Lt. Commander G.G. Kondli and 11 cadets attended 14 days All Trekking Expedition held in Goa December, 1989.

15 cadets of our Institution participated in various activities during the year Lt. Commander G.G. Kor was the co-ordinating officer during D.G.'s visit and he received an appreciation letter for his good servic from the Commanding Officer and the Group Commander

During the training year 9 Cadets passed B Certificate and 2 cadets passed C certificate examination

Our cadets also took keen interest in the social service and community service activities. This yea cadets donated blood to the Goa Medical College Blood bank.

N.S.S.

The main projects undertaken were:

- 1. Hospitals Helping patients
- 2. Blood donation
- 3. Adult literacy (Each one teach one)I
- 4. Teaching weaker students in primary and secondary schools
- 5. Cleaning roadside areas in Margao town.
- 6. College campus planting trees, cleaning, etc

Sports:

The academic year started with our runners picking up individual as well as group championships the Cross Country Run organised by the Goa University.

Our Volley ball team, the basket-ball team and Kabaddi(VVomen) team retained their championships.

Miss Alka Sawant won two gold medals in the Swimming Competition introduced by Goa University the first time.

Manoj Hede claimed the coveted title of Iron Man Shree and Hemant Parodkar won the bronze me for Best Physique.

Our girls cricket team defeated Dempo College team by 9 wickets and won the Championship.

Athletics has been our forte and few Colleges could match our performance. Aurovill Furtado won Decathlon and Elma Coelho won the Hepthlon Trophies.

In the year under report 4 of our Volley-ball players, 3 Basket-ball players, 3 cricketeers and one All from our college were selected to represent Goa University in the Inter-University tournaments.

| ~ | |
|----------|-------------|
| Cultural | Activities: |

Our cultural union was inaugurated by Shri Vinayak Khedekar, Sec. Kala Academy and a noted scl of Goan Folklore.

Our College organised various competitions during the academic year to mention a few - Late 'Satpute Memorial All Goa Poets Meet; Story Telling Competition; All Goa Inter Collegiate Quiz Competil etc.

Our talented students participated in many competitions organised by different institution and won prize in the following:

- 1. Inter collegiate One Act Play Competition:
- i) First prize for background music: Prashant Naik
- ii) do Best Script Writing : Shridhar Kamat
- 2. Late Mrs. Satpute Memorial Poetry Competition:
- i) First prize for Best Konkani Poem: Prasad Lolienkar
- 3. Gomant Kale Association All Goa Inter Collegiate Poets Meet.

First prize and Rolling Shield - Prasad Lolienkar

4. Rashtra Bhasha Parishad Elocution Competition.

First Prize Miss Shubangi Sawaikar

5. All Goa Hymn Competition First Prize and Rolling Shield

Miss Fernandes Sequeira and group

6. All Goa Singing Competition, Farmagudi

First Prize Faroog Mull

7. Elocution Competition Organised by Central Bank.

First prize Clarret Barreto

8. Statistical details regarding Teaching Courses and students:

| of | to be | of degree | in 1989-90 |) (sex wise | Sr.No.) study |
|----|-------|-----------|------------|-------------|----------------------|
| | | | 1 | Cor | nmerce B.Com |
| | | Boys | 278 224 | 219 | 721 |

| Girls | 187 | 160 | 197 | 544 |
|-------|-----|-----|-----|------|
| Total | 465 | 384 | 416 | 1265 |

9. Results of the college percentagewise in respect of the final year University examination in diffei subjects (Results of the examination of March-April 1989 and October- Examination results:

Held in 1st half of 1989.

| Examination | No. o appe April | | s | No. of passe | student d | 5 | Percentage |
|--------------------|-------------------------------|-------|-------|---------------------|---------------------|-------|------------|
| T.Y.B.Com | Boys | Girls | Total | Boys | Girls | Total | |
| | 228 | 214 | 442 | 118 | 108 | 226 | 5113% |
| Held in October'89 | | | | | | | |
| T.Y.B.Com | 93 | 94 | 187 | 17 | 19 | 36 | 19.25% |
| Held in April'90 | | | | | | | |
| T.Y.B.Com | 280 | 260 | 540 | 133 | 133 | 266 | 49.25% |

A-8 DNYANPRASARAK MANDAL'S V.N.S. BANDEKAR COLLEGE OF COMMERCE, ASSAGAO- GOA.

The College was established in June 1974 to impart instructions in the approved subjects leadini the <u>B.Com</u> degree.

The College is run by the Dnyanprasarak Mandel.

1. Accomodation (Class Rooms)

- 1. The College building belongs to the society which runs the college.
- 2. The ownership of the building is with the society.
- 3. The land of the building is on freehold.

2. Teaching Staff:

| Category | Full-Time | Part-time | Lecture basi |
|--------------|-----------|-----------|--------------|
| Permanent | 12 | 5 | |
| Probationary | | | |
| Temporary | 06 | | |
| Adhoc | 02 | 1 | 1 |

3. Details of Teaching staff (Beginning with Principal)

Prof. G.G. Mayekar is the Principal of the College from 1-7-79 to 28-2-90. He is teaching Marathi. I X.P.D'Souza is officiating principal from 1-3-90 to 2-4-90 of the college, he is teaching economics.

| Sr. No. | Department | Designation | No. of teacl |
|---------|--------------|-------------|--------------|
| 1. | Economics | Lecturer | 2 |
| 2. | Statistics | Lecturer | 1 |
| 3. | Commerce | Lecturer | 6 |
| 4. | History(F.C) | Lecturer | 1 |
| 5. | English | Lecturer | 3 |
| 6. | Geography | Lecturer | 1 |
| 7. | Mathematics | Lecturer | 2 |
| 8. | Accountancy | Lecturer | 5 |

| 9 . | Business Law | Lecturer 1 | |
|-------|--------------|-------------------|--|
| 1 0 . | Philosophy | Lecturer | |
| 11. | S p o r t s | Sports Director 1 | |
| 1 2 | library | Librarian 1 | |

4. Details of Non-Teaching staff:

| Sr.No. | Designation | No. of Officials |
|--------|-----------------------|------------------|
| 1. | Office Superintendent | 1 |
| 2. | Head clerk | 1 |
| 3. | Senior clerk | 2 |
| 4. | Junior Clerk | 3 |
| 5. | P e o n | 5 |
| 6. | Library Attendent | 3 |

5. <u>Library:</u>

Total number of text-books/reference books/periodicals/ academic journals in the Library as on 20/4/1990.

Total number of text-books is 6979 and academic journals are 28 Non academic journals is 13 and others 11.

Miss Smite Manerikar and Mr. Simon Fernandes of the T.Y.B.Com have been adjudged BE READERS of the year 1989-90

<u>Details about N.C.C., Sports, Debates, Cultural Activities, N.S.S. Educational and Extensi</u> Works, Cc.

Sports:

The college has a playground ad measuring 28,500 sq.mts. located within the college campus. It t special Indoor hall for Table Tennis and Badminton.

The college participated in all the tournaments, in various games and sports of the first and secc phases of the year. 1989-90 conducted by the Goa University. They won the Hockey Championship. athletics, the boys students won the Gold Medal in 4 x 100 mts. relay. In addition to this, athletics they v12 gold and 4 bronze medals.

Mr. Shailendra Gopalrao Mayekar and Mr. Satosh Kitlekar represented Goa State under-22 team in India Inter state Chinnaswarny Cricket Trophy held at Hyderabad. Mr. Prasad Barde represented Goa St under-19 in the All-India Gulam Ahmed Cricket Tournament held at Bangalore. Miss Doris D'Sot represented Goa State at the Junior National Hockey Tournament held at Trivendrur.n.

Our students participated in Weight-lifting, Power-lifting and Best Physique competitions, Athletics won the different places.

The college Hockey team won the inter-collegiate hockey tournaments.

Merit certificates and Awards are given as an incentive to the winners of Inter-Collegiate Tourname of Goa University and special prizes and certificates are awarded to.sportsmen and women represent Goa State and Goa University at Inter-State and Inter-University Games.

N.S.S.

The Total strength enrolled for the regular & camp is

215. Regular Camp activities

- 1. Road Construction at different places in Goa was undertaken.
- 2. The N.S.S. Unit collected fund for "Lockwishwas Prathisthan"
- 3. The N.S.S. Girls rendered services to the patients and aged people in the 0.P.D. and Home for the Aged.
- 4. The volunteers collected clothes and books and distributed to the poor villagers.
- 5. Blood donation camp was held in the college, where in 35 persons donated the blood.

.Special camp

- 1. A stage was constructed by the students for the benefit of villagers.
- 2. A road was repaired by putting new mud for the benefit of Harijan community.
- 3. Sports, Spelling, drawing competitions were conducted for the benefit of the villagers.
- 4. A valedictory function was held.

N.C.C. (Army Wing)

The total number of cadets enrolled was 100. Two of the cadets represented Goa at the Advanc Leadership Course held at K.R. Nagar, Mysore. Under-Officer Dilip Narvekar won the Director-Gene Gold Medal for solo Excercises. Simon Fernandes was selected for the U.P. Trekking Expedition Eigh1 the cadets were selected for the Army Attachment Camp held at Bangalore in June 1989. Five cad attended the Summer Training Camp at Karwar. Thirty-nine cadets of the Coy attended the Annual train Camp in November 1989 at Monte-de-Guirim.

Under Officer Dilip Narverkar attended the Pre-Pre R.D. Camp at Hospet, CUO Rajesh Keni v selected for the Shivaji Trail trekking camp, pune in December, 1989.

A hike to Tambdi-Surla was organised. Cadets of the College also collected fund for Blind and they a made a substantial contribution for Anti Tobacco Campaign, Cancer by selling cancer scab.

Captain Edward D'Lima received the twelve year long service Medal for his meritorius services N.C.C. Under-Officer Simon Fernandes adjudged as the Best Cadet for the academic year 1989-90. also received Dr. Lawande Memorial Award as the best N.C.C. Cadet in Goa.

N.C.C. Report (Girls Wing)

60 students were enrolled as cadets. Various competitions and activities were held during the y4 S.U.O. Ermelinda Fernandes and C.U.O. Luiza Dias were selected from the College to attend the Be Leadership Camp held at Orissa in May, 1989. 3 Cadets were selected to attend the Trekking Camp het(Ooty in May '89. 6 cadets attended the Mini-Camp Belgaum towards R.D. held at Belgaum in Septeml 89. Two cadets were chosen from our college and attended MH Camp held at Panjim in October ' Cadet Vidya bagged the first prize for the First Aid and Home Nursing Competition held there.

The cadets went for a Cycling Expedition to Sinquerim and covered a distance of 20 kms. They a went for a trek to Tambdi-Surla in the month of September.

The entire Girls unit of College was selected to attend the Republic Day Parade at, Campal, The cad visited the "Home for the Aged" on 24th December' in Mapusa and distributed sweets to them. 7 inmates were entertained with music, songs and stories.

On 31st January, a Cultural Show was organised with a small Send-off-Party to the outgoing cadets.

A Para Sailing Camp was held in Panjim, Campal Ground from 22nd February '90 to 27th February' S.C.U.O. Ermelinda Fernandes was awarded the Best N.C.C. Cadet for the year 1989-90.

Some of the students and staff members went on a South India tour.

Miss Sabrina Kamat of <u>FY. B.Com.</u> was nominated as the student incharge of the,Study Circle for academic year1989-90. Some of the students were selected as best singers in English, Konkani, Hindi Marathi. A quiz competition was conducted by Mr. Ronald Almeida and Mr. Parvez Ahmed.

VOLCAN0'90 was organised by the College and different inter-collegiate competitions were held.

A-9 <u>Goa Vidyaprasarak Mandal's College of Commerce and Economics,</u> Ponda - Goa.

The College was established in June 1986 to impart nstructions in the approved subjects leadir <u>B.Com</u>. degree. The instruction is run by the Goa Vidyaprasarak Mandal in its own building having class-rooms and other space to enable it to carry out its various curricular and extra-curricular activitie;

1. Teaching Staff

| Category | Full-time | part-time |
|--------------|-----------|-----------|
| Permanent | 1 | 2 |
| Probationary | 7 | 1 |
| Temporary | 5 | 1 |

2. Faculty improvement programme as implemented by the College.

- A) Four of the teachers Prof. G.S. Badiger, Prof. M.M. Chikodikar Prof. PG. Dandin and Prof. RN. M completed orientation courses organised by Academic Staff College, Goa University
- b) Prof. Mrs. G.A. Borkar & Prof. PN. Maske attended a seminar organised by Goa Universi celebrate Birth Centenary of Pandit Jawarharlal Nehru.
- c) Prof. M.M. Chikodkar completed N.S.S. Programme officer's orientation course at Tata Instit Social Science, Bombay.
- d) Prof. Mrs. S.S. Pereira and Prof. Miss Ana Andrade have passed M.Phil written examination of University securing Second and First class respectively.
- e) Prof. C.N. Phadte has been admitted for M.Phil course at Goa University and is undergoini course. Prof. **R.H.** Taxak has given the written examination of M.Phil course at AhilyE Vishwavidhyalaya, Indore.
- f) Prof. R.G. Bhat and Prof. M. Chikodikar have attended a seminar on Nehru, organised by Parvatibai Chowgule College and read their papers on "Nehru as a writer and Historian" and Jawarl Nehru and Socialism" on 13th Jan 1990.
- g) Prof Mrs. S.S. Pereira attended a seminar on "The Role of the Media towards on Open Governr organised by Damodar College Margao on 17th Feb. 1990.
- h) Prin. A.G. Jumde participated in seminar on semester system at P.E.S. college and presen paper in 'Towards Improving Evaluation'.
- i) Prin. Jumde, Prof. Bhende, Prof. Bhatt and Prof. Chikadikar attended a two day worksho 'Examination Reforms and Question Banking at Chowgule College Margao.

3. Details of Teaching Staff.

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

Departmentwise staff position:

| i) Mathematics | Lecturers | 3 |
|-----------------------------------|------------------------------|------------------|
| ii) Economics | Lecturers | 2 |
| iii) English | Lecturers | 2 |
| iv) Geography | | 1 |
| v) Accountancy | | 3 |
| vi) Commerce | | 3 |
| vii) Politics | Lecturer | 1 |
| viii) | Sports Physical Education | Director of 1 |
| 4. Details of Non-Teaching staff: | | |
| 1) Librarian | 1 | |
| ii) Head Clerk | | |
| , | 1 | |
| iii) Sr. Clerk | 1 | |
| · | | |
| iii) Sr. Clerk | 1 | |

Total number of books in Library

| 6. | |
|------------------------------|------|
| Academic journals | 12. |
| Periodicals | 35 |
| Total no. of reference books | 1965 |
| Total number of text books | 0990 |

2955

Details about N.C.C. Sports, Cultural activities, NSS, Educational & Extension work etc.

Sports

The college provides facilities for Badminton Volley-ball, and Basket-ball and various sports on the camp

During the year 1989-90 college has participated in various Inter-Collegiate tournaments and tournaments organised by Sports clubs & colleges. They participated in Table-Tennis, Badmin Volley-ball, Kabbaddi, Kho-Kho, Athletics, Cricket tournaments organised by Goa university and displa a good performance. In Kabaddi and Kho-kho Inter-Collegiate tournaments organised by Goa Univer their college team won the coveted Championship Trophies. kabaddi team also secured winners troph Taluka level Kabaddi tournaments organised by Kaladharpan Sports Club, Magilwada, Priol. Shri S Furtado, Shri Ashok Gaude and Shri Govardhan Phadte of the College, won bronze medals in Trii Jump, 1500 mts. Run and in Javelin throw respectively in Inter-Collegiate Athletic meet of Goa Universit)

Gymkhana Day was celebrated and Mementoes & certificates were awarded to the winners participants of our College. Miss Susana D'Souza was the Chief Guest.

N.C.C.

The students have attended NCC parades at the Open N.C.C. unit at Smt. parvatibai Chow College, Margao during 1989-90.

N.S.S.

During 1989-90, 189 students were enrolled for N.S.S. regular activities and 60 students for N. special camping activity. N.S.S. regular activities started with tree plantation programme at the coil campus. Volunteers did various activities during the year, campus cleaning programmes, Health Econc Survey, Literacy survey etc. They observed National Youth Week from 12th Jan. 1990 to 19th Jan. talk on "Students life of Swami Vivekanand" was given by Prof. R.G. Bhat on 12th jan, 1990. On 13th Dr. Nalin Gosalia gave a talk on "Detection of Cancer" along with slide show. Slow cycling competi was organised and on 18th Jan. 1990; under the auspices of Directorate of sports, our NSS observed Development Day" and following talks were arranged.

- a) Shri Viera Menezes, Vocational Education Officer, Dept. of Education, spoke on "Vocationalization".
- b) Shri S.G. Prabhu, Manager, State Bank of India, Ponda Branch spoke on "Banking & Vocationalisatio
- c) Shri R.G. Desai Development Officer, LIC on "Practical aspects of Insurance.

The volunteers did Health Economic Survey Of nearby villages in Ponda i.e. Bandora, Kapileshwa Madkai, Shiroda, Sacorda etc. and collected information from 243 households. As a part of M.F programme our volunteers undertook literacy survey in and -around Ponda. Two of the volunteers Francis Braganza and Miss Prisca Albuquerque attended Leadership Training programme organisec NSS unit of Goa University.

The special NSS camp was held at Ghano-Savoi, Savoi Verem from 10th Oct. 1989 to 25th Oct. 11 The volunteers did the work of levelling of School ground and socio-economic survey of peopli Ghano-Savoi. Besides these activities, group discussions, lectures by guest speakers were arranged.

Miss Anita Kenkre _of S.Y.B.Com was nominated by Vice chancellor on the students council of University to represent N.S.S. volunteers of colleges of Goa.

CULTURAL ACTIVITIES.

Inaugirration of cultural Association took place on 5th August 1989 at the hands of Prin. RN. Tim During the year the Cultural Association organised Elocution ,Essay, debate, singing, flower and s decoration competitions. All Goa Inter-collegiate Elocution competition was organised on 20th Sept. 1! They secured First prize in debating competition organised by "Youth Hostel Association of India" Pc unit. Miss Sudarshana Sundarajan and Miss Anita Kenkre participated Shri Shankar Naik Secured I prize in Inter-collegiate wall paper competition organised by Govt. college, Kepem. The students participated in singing, Essay, Debate competition organised by other colleges and clubs etc. The stud council had organised Bazar Day and donated an amount of Rs. 7000 =00 to students Welfare Fund.

OTHER ACTIVITIES

- Dr. A.G. Borkar delivered a lecture on 'Protection in Poverty' alongwith slide show on 'Nutritic Problem in Children' on 18th August, 1989.
 - A talk & Demontration on 'Evils of Dowry' was given by Shri Mamasaheb Kulkarni on 29th Sept. 1989.

Lecture on 'Meditation for Positive Health' by Shri R.M. Patil was organised by Prajapz Brahmahakumari Vishwavidyalaya on 22nd August 1989 in our college.

Following lectures were arranged for the students of T.Y.B.Com class during the year 1989-90.

- a) Lecture on 'Indian Democracy' by Prof. Peter D'Souza Deptt. of Politics Goa University.
- b) Lecture on 'Language & Relation in Indian Politics' by Prof. (Mrs) Shantishree Pandit, Dept Politics, Goa University.
 - c) Lecture on "Elections in India' by Dr. M.J. Audi, Reader Department of politics, Goa University.

Commerce Association of the college was inaugurated on 28th Sept, 1989 at the hands of Shri D.I Upadhya, Sr. Regional Manager, Bank of India, Margao, he gave a talk on 'Banks and the Common Man'

A talk on 'Selection for jobs & interview Techniques' by Shri K.S. Rao, Personal Manager, C.M.Menezi & Co. Ponda & on 'Developing Entrepreneurial Qualities" by Shri R.S. Upasani, proprietor, Enginee combine were also arranged by commerce Association.

Prof G.S. Badiger and Prof. R.H. Takshak delivered lectures in staff Academy.

| 7. Statis | tical details | regarding Teachir | ng courses and st | tudents. | | | | |
|-----------|-----------------------|----------------------|--------------------|---|------------------------------------|----------|-----------------|--|
| Sr. No. | Branch of study | Degree to be awarded | Duration of course | No. of 89-90. | No. of students admitted in 89-90. | | | |
| | | | | FY <u>B.Com</u> | | SY B.C | SY <u>B.Com</u> | |
| | | | | Boys | Girls | Boys | Girls | |
| 1 | Commerce B.Com 3 year | | 3 years | 165 | 093 | 193 | 069 | |
| | | | | T.Y. <u>B.Com</u> | | | | |
| | | | | Boys | Girls | | | |
| | | | | 130 | 069 |) | | |
| | | | | Percentage of passing April 1989 Oct 89 April 90 | | April 90 | | |
| | | T.Y.B.Com | | 38.20 | | 25.14 | 60.30 | |

<u>Ponda Education Society's College of Arts & Science</u> <u>Pora-Goa.</u>

Established in June, 1989, the college is run by the Ponda Education Society in a two storied ren building having 8 lecture rooms and 2 tutorial rooms. The college has its own playground in the Camp The college imparts instruction in the approved subjects leading to B.A & B.Sc. degrees

1. Details of Teaching Staff:

Principal: - Dr. A.K. Heblekar, who is also lecturer in Physics.

2. Department-wise Teaching Staff:

| Department | Designation <u>A - Science Stream</u> | | No. of teachers | | |
|------------------------|--|---------|-----------------|--|--|
| i) Physics | Lecturers | | 4 | | |
| ii)Chemistry | | | 7 | | |
| iii) | | | Zoology 3 | | |
| iv) 2 | | | Mathematics | | |
| v) Botany | | | 3 | | |
| vi) | Microbiology | Lecture | er | | |
| | | | 1 | | |
| | B- Arts stream | | | | |
| i) English | Lecturer | | 1 | | |
| ii) | Economics | Lecture | er 1 | | |
| ill) Political science | | | 1 | | |
| iv) Marathi | | | 2 | | |
| v) Hindi | | | 2 | | |
| vi) History | | | 1 | | |
| vii)Psychology | | | 2 | | |
| viii) 2 | | | Philosophy | | |
| lx) Konkani | g | | 1 | | |

| 3:Details of Non-teaching staff | | | |
|--|------------------|------------------|------------|
| i) Head clerk | 1 | | |
| II) Sr. Clerk | 1 | | |
| iii) | Jr. cle | rk 1 | |
| iv) Steno-typist | | | |
| v) Librarian | 1 | | |
| vi) | Lab.A | sstt. 4 | |
| vii) | Class | IV staff | 7 |
| 4. Enrolment | | | |
| Course | Total En Boys | rolment Girls | Total |
| FY. Arts | 73 | 87 | 160 |
| S.Y. Arts | 46 | 53 | 99 |
| TX B.A. | 31 | 39 | 70 |
| F.Y.B.Sc. | 60 | 27 | 87 |
| S.Y.B.Sc. | 30 | 23 | 53 |
| T.Y.B.Sc. | 28 | 15 | 43 |
| 5. <u>Library</u> Total numbeirof text books/reference books/perin the Library | eriodicals/ | academi | c journals |
| | | | |

1. Total number of text books

2. Total number of Reference books -

4. Total number of academic journals

3. Total number of General books

5. Total number of periodicals

1127

998

967

30

23

A-11 <u>Naval AcademTI.N.S. Mandovi,</u> Verem - Goa.

The Naval Academy is a Defence Service Establishment administered by the Naval Head-quart(New Delhi. The Academy started imparting training to the (10 + 2) 'X' cadets for B.Sc. (Special) degr(course commencing from August, 1987.

The Naval Academy has exclusive buildings for conducting training classes and for accommodat cadets as well as teaching staff. The Academic Wing has a total of 16 class rooms. It houses the s rooms, the laboratories, for Physics, Training, design cell, Examination Cell, Draughtsman room.

A well stocked library is available for use by the cadets. Each cadet is issued with a set of stand textbooks for study. Reference books are also available in the library for use by trainees. Pop - periodicals and journals are made available in the library.

Department-wise Teaching strength

| Department | Designation | |
|-------------------------------|--|-----------------------------|
| I) Physics | Head of the Dept. Lecturers Demonstrator | 1 6 1 |
| ii) Mathematics | Head of the Dept. Lecturers | 1 3 |
| iii) Chemistry | Lecturer | 1 |
| iv) | | M |
| eteorology & Oceanography Hea | ad of the Dept | 1 |
| Non-Teaching staff | | |
| i) Asstt. Librarian | | 1 |
| ii) Lab. Asstt. | | 2 |
| iii) Tracer | | 1 |
| iv) UDC | | 1 |
| v) Lab. Attendant | | 1 |
| vi) Gest Operator | | 1 |
| vii) Daftry | | 1 |
| viii) | | Ship Modelling Instructor 1 |
| ix) Sweeper | | 1 |

Teaching courses and students

The Academy conducts only 3 year B.Sc. (Special) Degree course for the (10 + 2) 'X' cadets of Indian Navy. The details of cadets admitted for this course as on 31 Dec 89 are as follows:-

| SI No. | Semester | No. of Cadets |
|--------|-----------------|---------------|
| •(a) | Sixth (40 NAC) | 79 |
| (b) | Fourth (42 NAC) | 25 |
| (c) | Third (43 NAC) | 37 |
| (d) | Second (44 NAC) | 24 |
| (e) | First (45 NAC) | 23 |

. , 1 2

A- Cuncolim Education Society's College of Arts & Commerce Cuncolim.

The College is run by the Cuncolim Education Society. It was established in August, 1987.

1) Accomodation (Class Rooms):

- 1. The college building belongs to the society which runs the college.
- 2. The ownership is with the society.
- 3. The land of the building is on lease hold.

2) Playground/Facilities for Sports:

1. The College is using the village Playground which is situated at Marcut, Cuncolim. The follow sports facilities are provided:

| Volleyball Court | Within the college campus |
|------------------|---------------------------|
| Basketball Court | Within the college campus |
| Kabaddi Ground | Within the college campus |
| Kho-Kho Ground | Within the college campus |
| Badminton Court | Within the college campus |
| Table Tennis | In the college campus |
| Football | On the Village Ground |
| Cricket | On the Village Ground |

2. Village ground is used for the outdoor games.

3. Teaching staff:

| Category | Full time | Part-time |
|--------------|-----------|-----------|
| Permanent | Nii | Nil |
| Probationary | 7 | 1 |
| Temporary | 4 | Nil |

4. Details of teaching staff

Principal: Shri Dinkar L. Naik, who is also Lecturer in History.

| Department | No. of Lecturers |
|---------------------------------------|------------------|
| Commerce | 2 |
| Sociology | 1 |
| Political science & Foundation course | 1 |
| Economics | 2 |
| History | 2 |
| Hindi | 1 |
| English | 1 |
| Commerce & Accountancy | 1 |
| Commerce, Mathematics & Statistics | 1 |

5) Details of Non-teaching staff

| Designation | Number |
|-------------|--------|
| Librarian | 1 |
| U.D.C. | 1 |
| L.D.C. | 2 |
| Peon | 3 |
| Watchman | 1 |

6) Library:

Total number of Text Books/references books/periodicals/ Academic journals in the Library as 20.4.1990.

| Text books | 583 |
|-----------------|-----|
| Reference Books | 347 |

7) N.C.C.. Sports, Debates, Cultural Activities, N.S.S., Educational and Extensional Extension works, etc.

1. _____N.C.C.: College does not have any N.C.C. Unit

- 2. Sports: College provides facilities for both indoor and oudoor games, such as table-tennis, footl Basketball, Volleyball, Cricket, Badminton, etc. The college participated in the various sports evi conducted by the University.
- 3. <u>Debate</u>: Participated in Inter-collegiate Debates & Quiz Competitions organised by the Various CI and few prizes were won.
- <u>4. Cultural Activities:</u> Annual Social: Students presented various Cultural Programmes. College Sinc and Panty Dress Competitions were held which provided ample opportunities to the students to fur develop their talents.
 - 5. N.S.S: College has a N.S.S. Unit which carries on the normal N.S.S. Activities.
 - **<u>6.</u>** <u>Educational and Extension:</u> Some Literary classes were conducted by the N.S.S. Unit.

Statistial details regarding courses and students:

| Sr. No. | Branch of study | Degree to be awarded | Duration of degree course | | 90 (Sex | ts admit wise) Ilnd Yr. | | No. IIIrd Yr | ·. |
|---------|-----------------|-------------------------|---------------------------------|------|---------|-------------------------------|-------|-----------------|----|
| | | | | Boys | Girls | Boys | Girls | Boys | Gi |
| 1 . | Arts | B.A. | 3 yrs. | 24 | 46 | 18 | 36 | 16 | 1 |
| 2 . | Comme | erce <u>B.Com</u> . | 3 yrs. | 63 | 54 | 66 | 45 3 | 37 | 1 |
| | | | Total | 87 | 100 | 84 | 81 | 53 | 2 |

Percentage of Result

| April 1990 | T.Y.B.A | 66.66% |
|------------|------------|--------|
| | T.Y.B.Com. | 34.04% |

A-13 <u>Govt. College of Arts, Science & Commerce, Sanquelim-Goa.</u>

This is a Government College, which was established in June 1988 to impart instruction in approved subjects leading to B.A., B.Sc. and B.Com. degrees. The institution is run by the Governmen Goa in the Government owned building having 8 lecture - cum - tutorial rooms.

The College provides facilities for various sports activities and has a play ground adjoining the coil(building.

Details of teaching staff.

Principal: Dr. B.A. Gomes, who is also a lecturer in Economics.

| Department | Designation | | No. of t | teachers |
|--------------------------------------|-------------|-------|----------|----------|
| i) Economics | Lecturer | | 2 | |
| ii)Mathematics | Lecturer | | 1 | |
| iii) English | Lecturer | | 2 | |
| iv) Geography | Lecturer | | 1 | |
| v) Physics | Lecturer | | 2 | |
| vi) Chemistry | Lecturer | | 1 | |
| vii) Geology | Lecturer | | 2 | |
| viii) | Botany | Lectu | rer | 1 |
| ix) Zoology | Lecturer | | 1 | |
| xi) Business Management | Lecturer | | 1 | |
| xii) Pol. Science | Lecturer | | 1 | |
| xiii) History | Lecturer | | 1 | |
| xiv) Physical Education | Lecturer | | 1 | |
| <u>Details of Non-teaching staff</u> | | | | |
| i) Librarian | | | 1 | |
| ii) Accountant | | | 1 | |
| iii) Head Clerk | | | 1 | |

| iv)U.D.C. | | | 1 |
|-------------------|------------------------|---------------------------|--|
| v) Cashier | | | 1 |
| vi)Jr. Sten | 0 | | 1 |
| vii)L.D.C. | | | 1 |
| viii) | | | Storekeeper 1 |
| ix) Laborat | ory Asstt. | | 3 |
| x) Jr. Lib. A | sstt. | | 1 |
| xi) Lib. Att | end. | | 1 |
| xii)Driver | | | 1 |
| xiii) | | | Peon 3 |
| xiv) | | | Sweeper 2 |
| xv)Watchm | an | | 2 |
| xvi) | | | Groundsman 2 |
| xvii) | | | Mali 2 |
| xviii) | | | L |
| ab. Attdt. | | | 3 |
| <u>Library</u> | | | |
| i) Reference l | books | | 1522 |
| II) Text books | 3 | | 374 |
| iii) Daily Ne | ewspapers | | 10 |
| iv) Popular | magazines | | 17 |
| v) Subject | Journals | | 18 |
| vi) Langua | ge Journals | | 6 |
| <u>Enrolment</u> | | | |
| Branch of Destudy | egree to be awarded | Duration of degree course | No. of students Percentage admitted in 1988-89 |
| Arts | B.A. | 3 Years | F.Y.B.A. S.Y.B.A. |

| | | | GIIIS | 58 | 42 | |
|---------|-------------------|---------|------------|----------------|----------|---------|
| Commer | ce <u>B.Com</u> . | 3 Years | | F.Y.B.C | om S.Y | .B Corn |
| | | | Boy Gir | ys 52 Is 42 | 66 25 | |
| | | | 94 | | 91 | |
| Science | B.Sc. | 3 Years | F.Y.B.Sc. | | S.Y. | B.Sc. |
| | | | Boys | 9 | 11 | |
| | | | Girls | 10 | 6 | |
| | | | 19 | | 17 | |

21

Extra-curricular activities:

The college has the following co-curricular associations

- 1. The English Literary Association
- 2. The Hindi-Marathi-Konkani Association
- 3. The Science Association; and
- 4. The Economic-Commerce Association

Under the auspices of these Associations, a number of activities have been held during the year. 1 activities debates, quiz, singing, General Knowledge, spelling, Bee Competitions, etc. paper readil Guest-Lectures, exhibitions, Special talks have been held.

Sports:

- 1. The College has participated in the inter-Collegiate Foot-ball. Table Tennis, Badminton, Cr(Country race, Khokho-(Ladies) and other Athletic tournaments.
 - 2. The College has held the Annual "Sports Day" in the month of January, 1990.
 - Organised friendly matches of foot-ball and cricket with local clubs_

N.S.S. Activities.

The inaugural function of the N.S.S. unit of the College was held on 5th August, 1989.

During the academic year '89-90 100 students enrolled as N.S.S. Volunteers. The N.S.S. activil spread throughout the year consisted of two main activities: NSS Special Camp for Rural Development E NSS Regular activities. One of the main activities taken up during the camp was the literary Surv Besides this survey, Manual work was also undertaken during the camp.

This year, under the normal NSS activities, the students collected Rs. 254 for the Goa Cancer Socil Dona Paula by selling one rupee coupons.. They also cleaned the college campus occasionally.

The N.S.S. Volunteers observed the National Youth Week from the 12th to the 19th January, 19 They organised various competitions like Drawings, Singing, Essay and Sports.

NSS Day was observed on the 15th of January, 1990. The volunteers organised various entertainm programmes for the less-priviledged children around the College and various prizes were given to them.

A-14 GOA COLLEGE OF HOME SCIENCE, BAMBOLIM

The college was established in July, 1988, temporarily housed in the Government Medical Coll(complex. There are 3 lecture rooms and 3 tutorial rooms.

| Details of Teaching staff: | | | |
|----------------------------|-----------|----|-----------|
| Category | Full-time | | Part-time |
| Permanent | | | |
| Probationary | | | |
| Temporary | 4 | | |
| Visiting Lecturer | | 14 | |
| Details of Teaching Staff | | | |
| Principal - Kum. Z. Pabani | | | |
| Principal - | 1 | | |
| Lecturers - | 3 | | |
| Non-Teaching staff: | | | |
| U.D.C. | 1 | | |
| LDC | 1 | | |
| Asst. Librarian | 1 | | |
| Lab. Assistant | 1 | | |
| Class IV | 4 | | |
| Library: | | | |
| Text Books - | 482 | | |
| Reference Books | 151 | | |
| Periodicals - | 8 | | |
| Academic journals | 8 | | |

N.C.C., Sports, Debates, Cultural Activities, N.S.S., Educational and Extensions works etc:

The students took part in the Inter-collegiate Sports Tournaments. They participated in various cultu activities like Creations, Happenings etc.

Statistical details regarding Teaching courses & Students.

| Sr.No. | Branch of Degree to study be awarded | | Duration of degree course | No. o in 198 | of studen 39-90 | ts admit | ted |
|--------|--------------------------------------|---------------|---------------------------------|-----------------|--------------------|------------|-------|
| | | | | 1st Yr. | 2nd Yr. | 3rd Yr. | Total |
| | Home Science | B.Sc. (H.Sc.) | 3 years | 21 | 15 | 12 | 48 |

A-15 Govt. College of Arts & Commerce, Khandola, Marcela, Goa.

The college started in July 1989 with 124 students on its roll in the faculties of Arts and Commerce.

Teaching staff:

| Principal: | rincipal: Dr. John B. Femanc who is lecturer in Chemistry. Full- | | | |
|-------------------------------|--|--------------------|--|--|
| Category Permanent | | time | Part-time | |
| Probationary | | | | |
| Temporary (Le | ecture Basis) | 4 | | |
| Non-teaching | g staff | | | |
| Head Clerk | | | | |
| Accountant | | | 1 | |
| U.D.C. | | | 2 | |
| Steno | | | 1 | |
| L.D.C. | | | 1 | |
| Lib. Attenden | t | | 1 | |
| Driver | | | 1 | |
| Peons | | | 3 | |
| Sweepers | | | 2 | |
| Watchmen | | | 2 | |
| <u>Library</u> Total numbe | r of text books/refe | erence books/perio | odicals/academic journals in the library | |
| Text-books | | | 595 | |
| Reference boo | oks | | 603 | |
| Periodicals/M | azagines | | 17 | |
| Newspaper | | | 16 | |
| Journals | | | 2 | |
| General | | | 437 | |

A-16 Govt. College of Arts & Commerce, Quepem - Goa.

Govt. College of Arts & Commerce, Quepem - Goa is established in 1989. The college is affiliate(Goa University and imparts instructions in courses leading to B.A. & <u>B.Com</u>. degrees

The College is run by Government of Goa. The Govt. has acquired land admeasuring 33,950 sq.r for constructing of College building/Canteen/Library and Sports Complex. The first and the second ph of building will be ready by April 1991. There are 3 lecture rooms. In addition to these there ar also roc for administrative staff.

Details of teaching staff

Principal - Shri PN. Tirnble, who is lecturer in Economics.

Teaching staff

Academic journals

| Category | Full-time | Part-time |
|--|-----------|-----------|
| Permanent | | |
| Temporary | | |
| Ad-hoc | 4 | Nil |
| <u>Designation wise</u> | | |
| Principal | | |
| Lecturers | 5 | |
| Details of Non-teaching staff: 14 | | |
| Library | | |
| Total No. of Text/Reference books | | 2040 |
| Periodicals | | 28 |

Enrolment and results

| Branch of study | Degree to be awarded | Duration of Degree course | | s admitted 3rd Total |
|-----------------|----------------------|------------------------------|------------|-----------------------------|
| Commerce | B.Com | 3 years Boy Girls | s 37 24 | 62 |
| Arts | B.A. | 3 years Boy Girls | s 17 33 | 50 |

9

B-1 GOA MEDICAL COLLEGE, PANAJI

The Goa Medical College is run by the Government of Goa. It was established in the year 1963.

Accomodation

The building belongs to the Govt. of Goa. The hand of the building is on freehold.

The College has its own playground situated at Bambolim Campus. It has the following play fields.

- i) Basket Ball
- ii)Volley Ball
- iii)Outdoor badminton 2 nos

iv) Table Tennis tables - 3 nos

Facilities for sporti

College provides facilities for playing. It has national players and trained coaches.

Hostel facilities:

The college has hostel facilities for boys and girls. 220 boys and 181 girls are provided with Ho accomodation.

Residential Accomodation for Principal and Guests

The Dean is provided with residential quarters.

Teaching staff:

(1) Number of the teaching staff:

| Category | | Full-time |
|-----------------|---|-----------|
| Permanent | | 22 |
| Probationary | | 1 |
| Quasi-permanent | • | 9 |
| Temporary | | 56 |
| Adhoc | | 30 |

Number of teaching staff belonging to S.C./ - 4

Details of Faculty Improvement:

The teaching Faculty of the existing Department of Goa Medical College comprises appropria qualified staff with the requisite experience and **is** in concurance those prescribed by the Medical Cou **of India. Every** effort **if being made to fill up the existing vacancies by recruiting people with the requi qualifications.**

In addition, there is a proposal by the Government to introduce superspeciality Departments in the (Medical College once the 750 bed hospital is completed. Necessary arrangements are being math obtain the approval of the Government for creation of appropriate posts to man the above.

Details of teaching staff

Dr. V.J. Monteiro is the Dean of the college.

| Designation | No. of staff |
|---------------------|--------------|
| Professor | 14 |
| Associate Professor | 15 |
| Assistant Professor | 22 |
| Lecturer | 24 |
| Demonstrator | 27 |

Details of Library and non-teaching staff

| Librarian | 1 |
|-----------------------|---|
| Assistant Librarian | 3 |
| Library Assistant | |
| Jr. Library Assistant | 5 |
| | |

Library:

| Total No. of books | 12102 |
|------------------------|-------|
| Total No. of Journals | 158 |
| Total No. of back vols | 9133 |

N.C.C., Sports, debates, cultural activities, N.S.S., Educational and Extension work.

Statistical details regarding teaching course and students.

| Sr. No. | Branch of study | Degree to be awarded | Duration of degree course | No. of students admitted in 1989-90 |
|---------|-----------------|----------------------|---------------------------|---|
| 1 | Medicine | M.B.B.S | 51/2 yrs | I MBBS - 70 II MBBS - 78 III MBBS - 124 |

RESULTS

April, 1989

| | No. of st | udents appeared | No. of stud | dents passe | ed |
|--|-----------|--------------------|---------------------|------------------|------------|
| | Boys | Girls | Boys | Girls | Percentage |
| I MBBS | 12 | 5 | 8 | 5 | 78.24 |
| II MBBS | 27 | 38 | 23 | 27 | 76.92 |
| III MBBS | 18 | 19 | 5 | 11 | 43.24 |
| M.D. | 6 | 9 | 5 | 6 | 73.33 |
| M.S. | 6 | - | 4 | - | 66.66 |
| Diplomas | 3 | 4 | 3 | 4 | 100.00 |
| October, 1 | 1989 | | | | |
| No. of students appeared Boys Girls | | No. of stu Boys | dents pass Girls | ed Percentage | |
| | | | | | |

| I MBBS II MBBS III MBBS M.D. | Boys 40 7 39 5 | ents appeared Girls 28 13 37 | No. of stude Boys 28 5 22 4 | nts passo Girls 21 13 26 8 | Percentage 72.05 90.00 63.15 80.00 |
|---|----------------------------|------------------------------|--|---|--|
| M.S. Diplomas April'90 | 6 4 | 1 1 | 4 | 1 | 71.42 100.00 |
| I MBBS | 13 | 11 | 7 | 8 | 62.50 |
| II MBBS III MBBS M.D. M.S. Diplomas | 29 25 7 3 | 30 14 8 1 | 26 14 6 2 3 | 29 9 7 1 | 76.27 58.97 86.66 75.00 80.00 |

(A) DEPARTMENT OF MEDICINE

1) Research staff in the Department:

| | Designation | Qualification |
|------------------|------------------|----------------------------|
| Dr. N.G.K.Sharma | Professor | M.B.B.S. M.D.(Gen.Med) |
| Mrs S. Parashar | Assoc. Professor | M.B.B.S. D.C.H. M.D. |

M.B.B.S. Dr. C.P.Kapoor Assoc. Professor M.D.(Gen. Med) Dr. N.G. Dubhashi Asst. Professor M.B.B.S. M.D.(Gen.Med) Dr. (Mrs)Lata Ka mat -do-M.B.B.S. M.D.-1973 Dr.S.Y.Natekar M.B.B.S. Lecturer M.D. Dr. Rufino Monteiro -do-M.B.B.S. 1982(Bom)

M.D. 1985(Bom)

Details of Research students:

Name of the Teacher No of students (Research guide)

Dr. N.G.Sharma 3

Dr. (Mrs)S.Parashar 3

Dr.C.P.Kapoor 3

Dr. N.G.Dubhashi 2

Dr. (Mrs) Lata Kamat 2

3. Research Projects by P.G.students

- 1. Study of arrhythmias complicating acute myocardial infarction.
- 2. Serum copper and zinc in alcoholic disease
- 3. Serum copper and zinc in alcoholic liver diesease
- 4. lactose deficiency in patients of chronic diarrhoea
- 5. Hepatitis B surface antigon in patient of alcoholic liver desease and in viral hepatitis
- 6. Norbactin 400 mg in acute diarhoeas
- 7. Endoscopic & Histological evaluation of Hon ulcer dispepsia
- 8. Prognostic valve of pre-hemispheral discharge 24D Echocardiographic assessment of patients acute myo-infraction.
- 9. Cardiac functions in chronic iron deficiency anaemia a study of systolic time intervals.
- A study of snake bite poisoning.
- 11. Complications of Hypertension a clinical study.
- 12. Complication of Diabetes Mellitus a clinical study.

(b) Staff Members

- 1. Risk factors of Ischemic Heart Disease in patients of low socio economic status. 2. epidemiological study for the cause of high incidence of renal failure in South Goa.
 - 4. Visits abroad.
 - Dr. N.G.Dubashi was awarded Commonweallth Medical Fellowship in Cardiology by the Commo

Scholarship Commission, London. He worked in the Department of Cardiology, St. George's Hospital, London in the field of pacemakers and Echocardiography from 4.10.1989 to 6.8.1990.

5. Participation in Seminar, Conferences, Workshops:

Dr. N.G.K.SHARMA - Attended Annual Conference of the Association of Physicians of India at

Jabalpur in January 1990.

Dr. (Mrs)L.Kamat - Attended workshop on Haemato-Oncology organised by Tata Memorial

Hospital Bombay in November 1989

B DEPARTMENT OF SURGERY

1. Teaching and Research staff in the Department:

| Name | Designation | Qualifications |
|--|-------------------------------|------------------------|
| a. Dr. W. K. Belokar | Professor of Surgery | MBBS,MS,FICS,M.Ch(Uro) |
| b. Dr. Vasco D'Silva | Assoc.Prof.ofSurgery | MBBS,MS,FICS |
| c. Dr. Oswald De Sa | -do- | MBBS,MS |
| d. Dr. V.N. Jindal | AssortiNedMESMSMCh Surgery | |
| e. Dr. A.N. Jadhav | Asstt. Prof. of Surgery | MBBS, MS |
| f. Dr. D.P. Amonker | -do- | MBBS, MS |
| g. Dr. Carmo Colaco | Lecturer in Surgery | MBBS, MS |
| h. Dr. F.P.Noronha | -do- | MBBS, MS |
| I. Dr. P Gupta | Lecturer in Neuro- Surgery | MBBS, MS,M.Ch |
| 2. <u>Details of Research Students:</u> Name of the teacher (Research Guide) | No. of students | Full time |
| Dr. W.K.Belokar | | 4 full-time |
| Dr. Vasco D'Silva | | -do- |
| Dr. Oswald De Sa | | -do- |
| Dr. A.N. Jadhav | | -do- |
| | | -uu- |

3. Research Projects: by PG. Students

- 1. Clinico Pathological study of Carcinoma Breast
- 2. Clinic() Pathological study of Colo-rectal Carcinoma
- 3. Clinical study of Intestinal Obstruction in Goa
- 4. Etiopathologic studies on Non-traumatic small bowel perforations.
- 5. Clinico-pathogical Co-relation of Deaths due to Head Injury.
- 6. Clinical study of closed V/S open surgical drainage of acute liver abscess.
- 7. Clinico-pathogical study of thyroid swellings.
- 8. Prognosis of Acute Surgical Emergencies by APACHE-2 score.
- 9. Clinico Pathogical study of peripheral Arterial Disease.
- 10. Clinico-Cyto Pathological study of Breast lump.
- 11. Clinical comparative study of Millings vis-a-vis Frayers' Prostatectomy.
- 12. Clinical study of complications of Peptic Ulcer.
- 13. Complications of Diabetes Mellitus a clinical study.
- 14. Diagnostic aids and their clinical correlation in peritonitis.

Participation in Seminars, Conference, Workshop etc.

| Dr. W.K. Belokar: | Participated in the workshop on Clinics Epidemiology in Goa Medical College in Sept. '89. ASI at Varanasi in Dec. '89 Workshop on "Critical Care' April'90 in G.M.C. |
|-------------------|--|
| Dr. A.N. Jadhav: | Participated in the Association of Surgeons of India, Annual Conference in New Delhi in Dec. '88 |

5. Publications:

Namo

- Dr. Vasco D'Silva: 1. Neurofibroma of the duodenum, Ind.Journal of Surgery April, 1989
- Dr. Oswald De Sa: 1. Neurofibroma of the Duodenum, Ind. Journal of Surgery April, 1989
- Dr. D.P. Amonkar: 1. Neurofibroma of the Duodenum, Ind. Journal of Surgery April, 1989.

Decianation

Educational Qualification

(C) DEPARTMENT OF OBST. AND GYNAEC

1. Teaching and Research staff in the Department:

| Name | Designation | Educational Qualification. |
|--|---|---|
| Department of Obst. & Gynaec. | | |
| Dr. M.N. Pal, Dr. (Mrs) E.Dias, Dr. D.N. Buhariwalla Dr. Prasad Nevrekar, Dr. Milan Bhandare, Dr. Anjali Kamat Dr. Savita Chandra. | Prof. & Head(OBG) Assoc. Prof. (OBG) Assoc. Prof. (OBG) Assn. Prof. (OBG) Asstt. Prof. (OBG) Lecturer(OBG) Asstt. Prof. (PPP) | MBBS, DGO,MD,MNAMS,FICS MBBS, MD. MBBS, MS. MBBS, DGO, MD. MBBS,DGO, DFP,MD. MBBS, DGO, MD. MBBS, MD. |
| ICMR (HRRC) | | |
| 1. Dr. Prasad Lad, | Research Medical Officer (ICMR) | MBBS (BOM.) |

2. <u>Contributory teachers:</u> Details on the above lines in respect of contributory teachers may be shol the original place of work, designation and qualifications of the contributory teachers may be indicat Number of lectures given by them may also be indicated term-wise.

22nd & 23rd June 1990 1) Dr. K.A. Dinshaw, Prof. of Radiotherapy Tata Memorial Hospital delive lectures on Cancer of breast, Brachytherapy and Cancer of cervix,

<u>29th June 1990</u> 2. Dr. S.H. Advani from Tata Memorial Hospital, Bombay delivered lectures Progress in Cancer Chomotherapy, Non-Hodgking Lymphemia, Diagnosis of Leukemia and Paedia tumor and Bone Marrow transplantation.

On 30th June 1990 3. Dr. T.K. Saikia from Tata Memorial Hospital, Bombay delivered lecture Treatment of all Gem Cell Tumor and Adult solid tumor.

3. Visiting teachers.

- a) Dr. Hemalata Rangachari, Prof. of Gynaec. Medical College, Hyderabad.
- b) Dr. K. Lalita, Prof. of Gynaec. Medical College, Trivandrum.
- c) Dr. R.S. Mahale, Prof. of Gynaec. Mangalore.

4. Details of research students:

| Name of the teacher (Research guide) | M.A.M.Sc. by research No. of students No. of students | | | lents |
|--------------------------------------|---|-----------|-----------|-----------|
| 3 , | Full time | Part time | Full time | Part time |
| 1. Dr. M.N. Pal | Full time | nil | 4 | nil |
| 2. Dr. (Mrs.) E. Dias | | | 1 | |
| 3. Dr. D.N. Buhariwalls | | | 3 | 17 |
| 4. Dr. Prasad Nevrenkar | | 7 | 3 | |
| 5. Dr. Milan Bhandare | | | 2 | 71 |

5. Details of students who have completed their research project

| Sr.No. | Name of Candidates | Guide | Topics |
|--------|---------------------------|------------------------------|---|
| 1. | Dr. Meera lyer (MD) | | Prof. M.N. Pal Review on Proterm Labour in GMC. |
| 2. | Dr. Justino Pereira | -do- | USG in IUGR. |
| 3. | Dr. Sandeep Kenkre | | Dr.(Mrs)E.Dias Comparative studies of Fdy's cathetc Emcredil in second Trimaster terminal |
| 4. | Dr. Guruprasad Pednekar(M | 1D) Dr. D. N. Buhariwalla | Significance of Abnormal GTT in pregnancy. |

| 5. Dr. N.M. Hoskote(MD) | -do- | Role of MST/in high risk pregnancy. |
|-----------------------------|-----------------------|---|
| 6. Dr. Dattakumar Kunde(MD) | -do- | Myomectomy in GMC a review. |
| 7. Dr.Jayashree Pavse(MD) | Dr. Prasad | Colposcopic evaluation of cervical. |
| 8. Dr. Eugene d'Silva | -do- | Review on placenta praevia in GMC. |
| 9. Dr Seema Kharangate | -do- | Review of previous LSCS in GMS. |
| 10.Dr. Sangeeta Taneja(MD) | Dr. Milan Bhandare | Morbidity after casearean section operation |
| 11.Dr Ajit Mopkar(MD) | -do | Review on PROM. |

6. Research Projects:

The Department is engaged in the conduct of the follwing I.C.M R. Multicentric Research Projects:

- (a) Intervention study to Improve The Existing MCH & FW Services At PHC level.
- (b) Improving Utilisation of Spacing methods (IUD & OC) Through the Strategy of Training & COL
- (a) Dr. M. N. Pal)Prof. & Head (OBG) attended the workshop on WHO/NIHFW Training in Fa Welfare at Goa. (November 21-24-1989.
- (b) Dr. Milan Bhandare, Asstt. Prof.(0BG) attended the 32nd All India Gynaecology Conference, he Mysore.
- (c) Dr. Anjali Kamat, Lecturer(OBG) attended the Staff College Course from 2nd January to January 1990 at New Delhi.
- (d) Infertility Seminar-1990 at Goa Prof. Michael Hull from Royal College of Obstetrics .& Gynaeca U.K. delivered a Guest lecture on Ovulatory Dysfunctions.
- (e) In the 33rd Annual All India Obstetrics and Gynaecological Congress, Patna, Dr. Anil Pint(Resident read a scientific paper on Ectopic Pregnancy.
- (f) Besides a C.M.E. Programme was organised on 8th August 1990 at Ribandar Hospital fol Medical Officers from Directorate of Health Services

| (i)Dr. M.N. Pal Prof. & Head (OBG) | Introduction & Panel Discussion |
|--|---|
| (ii) Dr. D.N. Buhariwalla Associate Prof. (OBG) | Panel Discussion |
| (iii) Dr. Milan E3handare, Asst. Prof. (OBG) | delivered Lecture on Demonstration Antenatal Care. |

(iv) Dr. (Mrs) Anjali Kamat,

Lecturer(OBG) delivered lecture on
Postnatal Care and first Aid Manage'
of Obstetrics emergencies

Management of common Gynaecologil Diseases.

(v) Dr. (Mrs.) Savita Chandra, Asstt. Prof. (PPP) delivered lecture on Methods of Famil)
Welfare (Non-Surgical & Surgical)

10. Publications

Dr. M.N. PAL

- 1. Review of Teenage Pregnancy in Goa. J. Obst. & Gyn. Ind. 39,473:1989
- 2 Influence of MCH on rural obstatics J. Obst. & Gym Ind 39, 126:1989.
- 3. True isolated Levocardin with Abdominal situs invercus, Ind. Paed. 26, 592 1989.

Health Management Training

Dr. M.N. Pal, Officer-in-charge (HRRC) attended a Senior Level Health Management training at Indi Institute of Health Management & Research at Jaipur.

Other Details

- 11. Contribution of the department of individual member of staff to be over all growth of the Univers in such are as co-curricular activities like N.S.S. sports **or** cultural activities.
- a) Dr. M.N.Pal, Prof. & Head (OBG) is appointed by the Ministry of Defence, Govt. of India as Honors Consultant of Armed Forces Medical Services.

Dr M.N. Pal, Prof. & Head Member of National Committee

- b) FOGS' Member on National Ethical and Medico Legal Commitee.
- c) FOGS! Member of Perinatal Mortality Committee.
- d) National Advisory Committee on Adolescent Gynaec. & Obstetrics. <u>Dr. M.N. Pal, Prof. & He</u> Member of Under Graduate Faculty
 - e) Member of Advisory Committee on Medical Education of Goa University.
 - f) Member of Faculty of Medicine of Bombay University.
 - g) Member of Board of studies in Midwifery, Bombay University.
 - h) Member of Board of Studies of Surgery & Allied, Goa University.
- i) Dr. M.N. Pal, Prof. & Head is appointed member of State Committee by ti ie Govt. of Goa for ensuri quality Welfare Services in Goa.
- I) Submitted his report as Chairman on Under Graduate Medical Evaluation Committee of G University.

'S) DEPARTMENT OF PAEDIATRICS

Teaching and Research staff in the Department

a) Dr. H. B. Rao - Professor & Head, Department of Paediatrics Goa Medical College, Panaji

Qualifications:

i) M.B.,B.S.

ii) M.D. (Paediatrics)

(iii) Post Doctoral Fellow in Paediatric Endocrinology State University of

New York - U.S.A.

b) Dr. Philomena Assistant Professor of Paediatrics

Pereira D'Souza Oualifications

i) M.B.B.,B.S.

ii) M.D. (Paediatrics)

c) Dr. Maria Piedade Rego Lecturer in Paediatrics

Silveira

Qualifications

i) M.B.,B.S

ii) M.D. (Paediatrics.) iii) D.C.H.

d) Dr. Kiran P. Sawardekar Lecturer in Paediatrics

Oualifications:

i) M.B.,B.S.

ii) M.D. (Paediatrics)

iii) D.C.H.

e) Dr. Nandita de Souza Pool Officer of the Council of Scientific & Industrial Research •

Qualifications:

i) M.B., B.S. D.C.H., M.D. (Paediatrics)

ii) (DNB)

f) Dr. Ameeta Mascarenhas Sr. Resident in Paediatrics

Qualifications:

i) M.B.,B.S

ii) M.D.(Paediatrics)

I) M.B ,B.S.

Oualifications ii)

ii) M.D. (Paediatrics)

iii) D.C.H.

h) Dr. Muriel Sequeira

g) Dr. Virendra Gaonkar

Spirithanis

i) M.B., B.S.

Qualifications ii) M.D. (Paediatrics)

iii) D.C.H.

2. Visiting teachers

Dr. Armida Fernandes, Professor of Paediatrics (Neonatology). L.T.M.G., College, Bombay, visited the department for the day.

3. Details of Research students (M.D. Paediatrics)

- a) Dr. Ameeta Mascarenhas submitted dissertation on "K.A.P. Study on Mothers".
- b) Dr. Muriel Sequeira submitteed dissertation on "Febrilie convulsions Iry children". Both w(accepted for the purpose of M.D. degree in Paediatrics as partial requirements.

• Dr. Rajashree Sakhardande and Dr. Ameeta Mascarenhas appeared for the M.D. degree examinatio Paediatrics in January, 1990. Both of them passed the examination.

4. Research Projects

The following research project is being conducted in the department:-

- a. Dr. Nandita de Souza
- i. Lactation practices in the Neonatal wards of Goa Medical College Hospital.
- b. The following dessertations for M.D. degree in Paediatrics are under preparation:

| Name | litie |
|---------------------------|---|
| 1. Dr. Sushma Dukle | Mantoux reaction following BCG vaccination. |
| 2. Dr. Medha Prabhudessai | Maternal factors influencing birth weic |
| 3. Dr. Sparsh Kapur | Screening tests for bacterial etiology in infantile diarrhoeas. |
| 4. Dr. Swati Naik | A Study of enteric fever in children |

5. Participation in Seminars, Conferences, Workshops, etc.

All the doctors of the department of Paediatrics attended the following symposium held in Goa.

- A. Nutrition Update sponsored by the Goa Association of Paediatricians and in March, 1990.
- b. Sumposium on "Acute respiratory infection" sponsored by the Goa Association of paediatrician January 1990.
- c. A symposium on "Diarrhoea and Nutrition in children" sponsored by Goa Medical College Russel Scientific Institute and others in Feb 1990.
 - I) Dr. Kiran P Sawardekar attended the following workshops and conferences
- A. Training programme for key personnel from selected teaching institutions in India for establishr of Diarrhoea Treatmnt **Unit at** Kalavati Saran Children Hospital at New Delhi for 1 week **in** September 19
- b. Training Programme in Neonatal Resuscitation for National Faculty members for Nati Neonatalogy Forum at Manipal in February, 1990.
 - c. National Neonatology Forum Annual Conference in Manipal in February, 1990.
 - II) Dr. Nandita de Souza attended

Menon Foundation Symposium held at Madras from 23.2.90 to 25.2.90.

ii) Dr. Virendra Gaonkar attended

National Neonatology Forum Annual Conference in Manipal in February, 1990.

6. Publications

The following papers were published from the department of Paediatrics in 1990, so far:-

1. True isolated Laevocardia in children - Indian Paediatrics. Professor Rao was one of the co-au& of the article.

E DEPARTMENT OF ORTHOPAEDIC SURGERY

1. Teaching and Research Staff in the department:

| Name | Designation | Educational Qualifications |
|-------------------------|---------------------|--|
| 1. Dr. U.G. Nachinolcar | Professor & Head | D. Ortho. (Madras) M.S. Ortho. (Born) F.A.C.S. |
| 2. Dr. S.K. Sardessai | Associate Professor | M.S. Ortho (Born) |
| 3. Dr S. Choudhry | Assistant Professor | M.S. Ortho. |
| 4. Dr. C. Baretto | Lecturer | M.S. Ortho (Born) |

2. Research Projects:-

- a) New Reliable Plate for Fixation of osteotomy in Malunited Colle's fracture
- b) Fixation of High tibial osteotomy with modified Kohsino Blade Plate.
- c) Study on Fractures of clavicle

(3) Participation in Seminars, Conferences, etc.

- i) Annual Conference of Indian Orthopaedic Association at Ahmedabad
- ii) Workshop of Isoclastic total Hip Joint. Replacement at Madras.

4. Publications

Difficulties & Problems in Implant Removal by U.G. Nachinolcar and S.M. Bandekar. Published in Journal of Indian Orthopaedic Association.

(F) DEPARTMENT OF OPTHALMOLOGY

1. Teaching and Research staff in the department as on 1st December, 1989.

| Name | Designation | Qualifications |
|---------------------|--------------|-------------------------|
| Dr. A.K. Mukherjee | Prof. & Head | M.B.B.S.,D.O.M.S. M.S. |
| Dr. Pradeep G. Naik | Lecturer | M.B.B.S.,D.O.M.S., M.S. |

Deletion of staff

Dr. A.K. Mukherjee Prof. & Head left the Department of Opthalmology in January, 1990 after retirem(on superannuation. Dr. Pradeep G. Naik, Lecturer took over the charge as the Head of the Department.

2. Participation in Seminars, Conferences, Workshops, etc.

Dr. Pradeep G. Naik, Lecturer attended three months special training in IOL at AIIMS, New Delhi.

(G) DEPARTMENT OF E.N.T.

1. Teaching and research staff in the department:

Dr. C.P. Das. Assistant Professor, Dr. Jagdish Naik & Dr. Jorson Fernandes - Senior Resdidents.

2. Contributory teachers:

Various teaching faculty members of Dental College & Hospital.

3. Participated in Seminars, Conferences, Workshops, etc.

Participated in the Annual Conference of Otalaryngologists of India at Pune.

Participated in W.H.O. workshop of H.I.V. Virus.

Participated in the childhood diarrhoea sponsored by Roussel Foundation.

H. INSTITUTE OF PSYCHIATRY & HUMAN BEHAVIOUR

1. Teaching and Research Staff in the Department

| Sr.No. | Name | Designation | Educational Qualifications |
|---------|------------------------------------|---------------------------|--|
| 1 | 4Z Femandes | —; Joao Maria | Asst. Professor M.D.(Bom) F.I. P.S. |
| 2. | Dr(Kum) Pushpabai J. Dukle | -do- | M.B.B.S. M.D. (Born) D.P.M. |
| 3. | Dr. Damodar S. Kukalekar | Community Psychiatrist | M.B.B.S. M.D. (Born) D.P.M. |
| 4. | Shri PK. Chakraborty | Clinical Psychologist | M.A. (Psychology) Diploma in Medical and Social Psychiatry. |
| RESEARC | HSTAFF | | |
| 1 | Dr.Nina Sukhija | Research Officer | M.B.B.S. D.P.M. |

| 2. | Dr. Doreen Dias | -do- | M.B.B.S. |
|----|----------------------|------------|---------------------------------|
| | | | M.D.(Psychological Medicine) |
| 3. | Mrs. Zamira da Costa | Laboratory | Laboratory |
| | Campos | Technician | Technician course. |

2. Details of research students:

| Name of the teacher | No. of students | | |
|---------------------|------------------|-----------|--|
| (Research guide) | <u>Full time</u> | Part time | |
| Dr. J.M. Fernandes | | M.D2 | |
| Asstt. Professor | | D.P.M4 | |

3. Research Projects:

- a) Clinical trial of !Sulphiide in Schizophrenia, sponsored by M/s. Carter Wallace, Goa.
- b) Clinical trial of 'Prothiaden in Depression', sponsored by M/s. Books Ltd., Bombay
- c) Clinical trial of 'Etoperidone in Depression sponsored by M/s. Etonior Ltd. Bombay (Trial underwa

4. Visitors to the Department:

| Name | Designation | Qualification |
|-------------------------------|--|---------------|
| 1. Dr. Joao Manuel Figueiredo | AND IN PSychiatry Yale University School of Medicine, USA | |
| 2. Dr. H.S. Dhavale | Prof. in Psychiatry TN. Medical College/ B.Y. L.Nair Ch. Hospital Bombay, Central, Bomb | M.D. |

5. Publictations of individual staff members

| 1. Dr. J.M. Fernandes Asstt. Professor | Hazards of alcohol and drug (Paper presented at state level Seminar on the role of NGO in the prevention of alcoholand drug abuse programme 1989). |
|---|--|
| 2. Dr. P.J. Dukle, Asstt. Professor | Phenomology of short acute Psychosis in Neurological status Thesis for M.D. |
| 3. Dr. Damodar S. Kukalekar Community Psychiatry | Association of Pulmonary T.B. with Peptic ulcer. |

I DEPARTMENT OF RADIOLOGY TEACHING AND RESEARCH STAFF

| Name | Designation | Qualifications |
|---------------------------|--------------|----------------------------|
| a) Dr. G. K. Mishra | Assoc. Prof. | MBBS. M.D. |
| b) Dr. Mahesh G.Sardessai | Asst. Prof. | MBBS, DMRD, M.D., DMRT. |
| c) Dr. Jeevan Vernekar | Lecturer | MBBS, M.D., MNAMS. |
| d) Mr. Shyamsunder | Physicist | M.Sc. DRP |
| e) Mr. Bhagatsingh | Physicist | M:Sc. DRP |

II Visitors to the Deptt

Dr. K.A. Dinshaw - Tata memorial Hospital

III Details of Research Students

| Name of the teacher. | PG. students | PG. students | |
|------------------------|--------------|--------------|--|
| a) Dr. G. K. Mishra | M.D. 4 | DMA 2 | |
| b) Dr. M. G. Sardessai | 2 | 2 | |

J Department of Anaesthesiology

1. <u>Teaching & Research staff in the Department:</u>

| The Department of Anaesthesiology has | 1 Professor |
|---------------------------------------|--------------------------|
| , | 2 Assistant Professors |
| | 2 Lecturers (one vacant) |
| | 1 Registrar Anaesthetist |
| | PPP. (Vacant) |
| | 7 Senior Residents. |

They are as follows:-

| Sr. No. | Name | Designation | Qualifications |
|---------|-----------------------------------|------------------------|-------------------------------|
| 1 | Dr. Ramakant N. Shetti | Professor | M.B.B.S., D.A.,M.S., F.I.C.S. |
| 2. | Dr.(Mrs)Bhakti Ram Naik | Assistant Professor | M.B.B.S., D.A. M.D. |
| a. | Dr. (Mrs) Marilyn P. Nazareth. | Assistant Professor | M.B.B.S., D.A., M.D. |
| 4. | Dr. (Mrs) Dalia Bhandare | Lecturer | M.B.B.S., D.A., M.D. |

| 5. | Dr. L. Irineu D'Cunha | Senior Resident | M.B.B.S., D.A. |
|-----|-----------------------|--------------------|-----------------------------|
| 6. | Dr. Chitra Juwarkar | -do- | M.B.B.S., M.D. |
| 7. | Dr. Anand Kamat | -do- | M.B.B.S.,M.D., M.N.A.M.S. |
| 8. | Dr. Maria Olga Viegas | -do- | M.B.B.S., D.A. |
| 9. | Dr. Suryaji Mandurkar | rdo- | M.B.B.S., D.A. M.B.B.S., |
| 10. | Dr. Arti Nadkarni | -do- | M.B.B.S., D.A. |
| II. | Dr. Prashant Kakodkar | -do- | W.D.D.O., D.A. |

<u>Details of Research Students:</u>

| Name of the Teacher (Research Guide) | Name of students | Registered for Anaesthesia | full ti _{me} part |
|---|--|--|--------------------------------------|
| i) Dr. R.N. Shetti | Dr. Shirley D'Souza Dr. Clara Baretto Dr. K.M. Pandit Dr. Deepa Kunde Dr. Maria Gomes Dr. Anand Sagar | M.D. M.D. M.D. M.D. M.D. M.D. | Full time |
| ii) Dr.(Mrs)Bhakti Ram Naik. | Dr. Nita GeorgeDr. Prinoy David | M.D. M.D. | Đ. |
| iii) Dr.(Mrs)Marilyn P Nazareth | - Dr. Peres D'Silva S. - Dr. Sanjay Bhandankar - Dr. | M.D. M.D. M.D. | 41 It |
| in Dr. D. N. Chatti | | D.A. | |
| iv) Dr. R.N. Shetti | - Dr. Smita Hoskote | D.A. | |
| y) Dr(Mrs)Bhakti R. Naik | - Dr. Uttam Dessai | D.A. | |
| vi) Dr. (Mrs) Marilyn P Nazareth | Dr. Lawrence AZavedoDr. Joaquim K. BarbosaDr. Manuala Souza | D.A. D.A. | 1t 11 |

3. Research Projects:

The following thesis topics are in progress:-

- i) Use of pulse eximetery in relation to Hemoglobin percentage in anaesthetic practice.
- ii) Evaluation of Intra Theca] Buprenorphine.
- Hi) Evaluation of Intra Muscular Buprenorphine.
- iv) Intra Occular pressure under various muscle relaxants.
- v) Use of Nitro gulcerine for reducing vogal inhibrition
- v1) Incidence of Post Spinal Headache.

Vistors to the Deptt.

Two Consultants from U.S.A. (American specialist in Critical Care)

Dr. David Dowton Dr. Jim Van Hook

5. Participation in seminars, conferences, workshops etc.

- i. PreSented 2 papers at the 38th Annual conference of Indian Society of Anaesthetists held at Manipa
- ii) Department has participated in lecture by the Indian Society of Anaesthetists (Goa State Branch).
- iii) Department has participated activities of Indian Medical Association and Staff Society of G Medical College.
- iv) Department has participated in South Zone Conference of Indian Society of Anaesthetist, present 2 papers by Members.
- v) Dr. R. N. Shetti visited along with Dr. N.G.K. Sharma, Shere-i-Kashmir Institute of Medical Scienc and some Hospitals in New Delhi to learn the planning and working in Sept. 1989.
- vi) Dr. R. N. Shetti delivered lecture Dr. Surndran Memorial oration at Kerla State Association Se 1989.
- vii) Dr. R.N. Shetti Attended as expert for selection of Teacher at Sree Chitra Tirunal Institu Trivandrum.
 - viii) Organised Intensive Care Unit seminar at Goa Medical college, Panaji-Goa.
 - ix) Dr. R.N. Shetti guest speaker at C.M.C. Hubli.
 - x) Speaker at Annual Conference of Indian Medical Association.
 - xi) Dr. R.N. Shetti, Hon.Secretary of Indian Medical Association Goa State Branch.

6. Publications:

Two articles published in Indian Journal of Anaesthesia.

7. Other details.

Dr. R.N. Shetti is a member of Board of studies.

(K) <u>DEPARTMENT OF TB. & CHEST DISEASES</u>

1. Teaching & Research staff of the Department:

Teaching staff:

| Sr. No. | Name | Designation | Oualification |
|----------------|---------------------|-----------------|-----------------------|
| 1. | Dr. A.S. Bagga | Prof. & Head | M.D., T.D.D. |
| 2. | Dr. A.M. Mesquita | Assoc. Prof. | M.D. |
| 3. | Dr. Durga Lawande | Asstt. Prof. | M.D. |
| 4. | Dr. A.L. Da Costa | Lecturer | M.D. |
| Research staff | | | |
| 1. | Mr. B.P. Srinivasan | Pharms. Chemist | M.Sc(PharmE |
| 2. | Mrs. Milan Saudagar | Palynologist | M.Sc.(Paly) |
| 3. | Miss Nita Mazumdar | Psychologist | M.A., Ph.D. (PsY). |

Details of Research students:

| Sr. No. | Name of the teacher | M.D. by Research | |
|---------|---------------------|------------------|-------------------|
| | | No. of students | Ful!time/Part tin |
| 1 | Dr. A.S. Bagga | Six | Full time |
| • | Dr. A.O. Dagga | OIX | i dii tiiric |

Research Projects:

in Demography

(a) National Short Course Chemotherapy - project has been started from August 1988. Dr. A.S. Bagg is the Principal Investigator of the project.

Participation in Seminars, Conferences, Workshops, etc.:

(a) Dr. A.S. Bagga - participated in the IXth National Congress on Respiratory Diseases held Hyderabad in November, 1989.

(L) DEPARTMENT OF PREVENT* AND SOCIAL MEDICINE

1 Teaching & Research staff in the Department

| 1. Teaching & Nescarch stair in the Department | | |
|---|--|--|
| Name & designation | Educational Qualifications | |
| 1. Dr. S.B. Dixit, Professor & Head | : M.D. (SPM) | |
| Dr. Agnelo Ferreira, Lecturer cum Epidermiologist | : M.D. (PSM) M.N.A.M.S. (India) | |
| Mr. Vidal D'Souza, Lecturer in Health Education | : M.A. (Sociology) Diploma in Population Education. Po: graduate certificate in Health | |
| 4. Mr, Harikumar P Lecturer | M.Sc. (Demography) | |

| 2. Name of the Teacher (Research guide) | Name of Student | Course | Title of Projel |
|---|---------------------------|--------|--|
| Dr. S.B. Dixit | Dr. Prostam Naik | M.D. | Epidemiology Opthalmic condition amo children in Gc |
| Dr. S.B. Dixit | Dr. Neeta Kakodkar | D.P.H. | Health Statute school childrE Semi .urban population of Goa |
| Dr. S.B. Dixit | Dr. Veena Coutinho | M.D. | A Longitudina study of the Nutritional stai and Horbidity pattern amoni the underfive population of coastal area li Goa. |
| Dr. S.B. Dixit | Dr. Shivanand Priolkar | D. PH. | An Epidemiological study c Poliomyelitis i a community development block in Goa. |

3. Research Projects: The department is presently engaged in this following

projects at various stages.

- Maternal determinants of birth winghts.
- Gender preference in Goa
- Role of pheripheral centres in tubectomy.

4. Visitors to the department:

Mr. Alok Mukhopadya, Executive Director of Voluntary health association of Indian and Yoshitoro Uramoto, Programme Officer and UNICEF visited teh department and held discussion on matter of healt1

5. Visits abroad:

Mr. Vidal d'Souza, lecturer in Health Education has undergone a one months course in He Education and Promotion under WHO fellowship, in the University of California, Los Angeles and Univer: of Berkeley in USA during August/September, 1989.

- Dr. S.B. Dixit, Professor & Head was awarded a WHO fellowship on "Observation & Training in STC V.D. Division Hospital and Siriraj Hospital in Bangkok, Thailand and CDC division on Jakarta and Division, Bali in Indonesia.

6. participation in seminars, conferences, workshops etc.

Mr. Harikumar, Dr. Agnelo Ferreira, Dr. Shivanand and Priolkar attended and presented a paper eaci the XIX National conference of IAPSH held at Guwahati Assam during November 1989. Dr. S.B. Dixit, Geeta Kakodkar and Dr. Veena Coutinho attended & presented a paper each at the 34th Ann Conference of IPHA at Madras during February '90 Dr Dixit also chaired two scientific sessions.

7. Publications:

A Paper entitled "Influence of MCH care in the rural obstetrics was published in the Indian Journa obstetics and Gynaecology by Dr. G.K. Kamat & Dr. S. B. Dixit.

M DEPARTMENT OF SKIN & V.D.

1. Teaching and Research Staff in:the Department
Dr V.L. Rege, Asstt, Profesor
& Acting Head, M.D., D.V.D.

2. Research Projects:

1. Drug Trial of Benzoyl peroxide 20% lotion - Clinical Trial.

3. Participation in seminars, conferences, workshops, etc.

- Indian Association of Dermotologists, Venereologists & Leprologists KT Branch Annual Conferer on 9.12.1989.
 - 2. 18th National Conference of IADVL & CME Prdoramme at Jaipur from 18th to 21st January, 1990.

!NI 1. Teaching and Research staff in the Department of Pathology: As on 1st December, 1989.

| Name | Designation | Qualifications |
|-----------------------------|--------------|-------------------|
| 1. Dr. Suzette Menezes | Professor | Medica-Cirrugiao |
| 2. Dr. Nisha S. Nadkarni | Assoc. Prof. | M.B.B.S.,M.D. |
| 3. Dr. Sonia M.P. Rosario • | Asstt. Prof. | M.B.B.S., M.D.DCP |
| 4. Dr. Maria Jose Rebell° | Lecturer | M.B.B.S., M.D. |
| 5. Dr. R.G. Wiseman Pinto | Lecturer | M.B.B.S., M.D. |
| 6. Dr M.V. Mallaya | Lecturer | M.B.B.S. M.D. |
| 7. Dr. Avril Dias | Demonstator | M.B.B.S. M.D. |
| 8. Dr. Francisco Couto | Demonstrator | M.B.B.S., M.D. |
| 9. Dr. Anita Fernandes | Demonstrator | M.B.B.S. M.D. |
| 10. Dr, Smtta Hegde | Demonstrator | M.B.B.S., M.D. |
| 11. Dr. Mohan Pai Raikar | Demonstrator | M.B.B.S. M.D. |
| 12. Dr. Karen Pinto | Demonstrator | M.B.B.S. M.D. |

13. Dr. Marlon Pereira Demonstrator M.B.B.S.

14. Dr. Pramila D'Souza Resident

Pathologist M.B.B.S.

15. Dr. Shubangi TambwekarPG. Student M.B.B.S.

16. Dr. (esh MandrekarPG. Student M.B.B.S.

2. DETAILS OF RESEARCH STUDENTS:

Name of the Teacher No. of students

(Research guide) Full time Part time

Dr. Mrs Suzette Menezes One-Full time

Dr. Mrs. Nisha S. Nadkarni One-Full time

Details of students who have completed their research project submitted dissertations or thesis:

1) Dr, Mohan Raikar completed his dissertation "Immuno-globulin Profile in alcoholics and clink correlation." under the guidance of Dr. suzette Menezes.

2) Dr. karen Pinto completed her dissertation as "Clinico - Pathological study of salivary gland Tumot under the guidance of Dr. Mrs. Nisha S. Nadkarni.

3. Research Project.

Research Projects are being conducted on our own and not sponsored by the University and otionganisations.

4. PARTICIPATION IN SEMINARS, CONFERENCE, WORKSHOP ETC.

Workshop is Epidemiolofy from 27th to 30th September 1989 by visiting faculty of C.M.C. - Vellc attended by Dr. Suzette Menezes, Professor and Head.

Workshop on "Histopathology Techniques and Intelligent Use of Microscope" on 1-6-89 to 2-6-89 J.M. Medical Collee, Belgaum attended by:

Dr. Mallaya M.V.

Dr. Couto Francisco

Dr. Karen Pinto

Dr. Premila D'Souza

VII CME & PG. Course in Pathology from 3/6/89 to 6/6/89 at J.N. Medical College, Belgaum attend

bv: Dr. M.V. Mallaya

Dr. Francisco Couto Dr.

Karen Pinto

Dr. Premila d'Souza.

by: VIII CME & PG. Course in Pathology from 1-6-90 to 4-6-90 at J.N. medical college. Belgaum attend

- Dr. M.V. Mallaya
- Dr. Francisco Couto
- Dr. Karen Pinto
- Dr. Premila D'Souza

Workshop on "Grossing in Surgical Pathology" from 5/6/90 to 6/6/90 at J.N. Medical College, Belgl attended by:

- Dr. Mallaya M.V.
- Dr. Couto Francisco
- Dr. Pinto Karen
- Dr. D'Souza Premila

Workshop on Autopsy Pathology from 12th March'90 to 17th March'90 at Grant Medical coll Bombay attended by: Dr. Mohan Pai Raikar

IAPM Conference held in Bombay from 7/12/89 to 10/12/89 attended by:

- Dr. Nisha Nadkarni as a delegate
- Dr. Wiseman Pinto as a delegate
- Dr. Mallaya M.V. as a delegate

PUBLICATIONS

- R.G.W. Pinto & Suzette Menezes: Malignancies in children A 15 year old study in Goa Me(College- An abstract at IAPM Conference, Bombay.
- M.V. Mallaya, N. Nadkarni: Bronchogim Carcinoma metastastying to big tow. An Abstract of I) Conference, Bombay.
- N. Nadkarni, M.V. Mallaya, Menezes S.: Lesser Trolat sign Adenocarcinema of stomach with erul sebarrhic Kerotosis An abstract IAPM Conference, Bombay.

0 Department of Biochemistry

1. Teaching and Research staff in the department

| Name | Designation | Qualification |
|---------------------------|--------------------|---------------|
| a) Dr. S.Pamnani | Professor | MBBS, MD |
| b) Dr. S.Chakraborti | Asst. Professor | MBBS, MD |
| c) Dr.Mrs. RR Nadkarni | Demonstrator | MBBS |
| d) Dr. Mrs, A.A. Naik | Demonstrator | MBBS |
| e) Dr. B.R. Shah | Demonstrator | MBBS |

2. Research Projects.

- 1. Lipid peroxidation induced protoclysis in human erythro cytess 20.2.1989. Financed by R.D. B Smarak Kosh, Bombay.
 - 2. Glucose intolerance Lipid profile Urban and Rural areas in Goa.
 - 3. Biochemical profile of patients undergoing stress test at Goa Medical College.
- 4. Effeec of undernutrition on protein, protein Kinoase C dependent Phospherylation in rat bri Financed by Roussel Scientific Institute, Bombay.

3. Publications:-

- 1. Membrane Associated protease activity of human erythracytes; Naik A.A. and chakraborti, (1990) (Ind.J.Red.Res)
- 2. Phenyl hydrezine mediated degradion of bavine serum albumin and membrane proteins of hurr erythrocytes, Chakraborti, s., Naik, A.A. and Reddy G.R. (1990) Biocheim, Biophys. Ada

4. Any other details-

First session of M.D. Biochemistry course has been started since July, 1989. Besides MBBS. & N department is also teaching and training M.Sc., Biochemistry Part - I & II, 1st BDS B.Pharma (Part - III a Lab. Tech. Students.

D %TEACHING AND RESEARCH STAFF IN THE DEPARTMENT OF PHYSIOLOGY:

| Sr.No. | Name of the staff | Designation | Educational Qualifications |
|--------|--------------------------------|--------------|--|
| | Dr. Mrs Jolly F Mascarenhas | Professor | M.B.B.S. (Born) M.Sc. (Med0(Bom) |
| 2. | Dr. R. A.Dhume | Assoc. Prof. | Medico Cirurgiao (Goa) M.B.B.S. (Born) M.D. (Human Phys). (Born) |
| 3. | Dr. Mrs. M.E. Abraham | Asst. Prof. | M.B.B.S. M.D. (Born) |
| 4. | Dr. V.K. Mulgaonkar | Lecturer | M.B.B.S. M.D. (Born) |
| 5. | Dr. Mrs A.S. Borker | Lecturer | M.B.B.S. M.D. (Born) |
| 6. | Dr. Mrs. A. Noronha | Demonstrator | M.B.B.S. (Jiwaji) M.D. (Born) |
| 7. Dr. | Mrs. F. Monteiro | Demonstrator | M.B.B.S. (Born) M.D. (Born) |
| 8. | Dr. Mrs. S.D. Sahakari | Demonstrator | M.B.B.S. (Born) M.D. (Born) |
| | | | |

9. Dr. Mrs M.D. Nagwekar Demonstrator M.B.B.S. (Karnataka) M.D. (Born)

10. Dr. J.R. Pednekar Demonstrator M.B.B.S. (Born) M.D. (Born).

2 Details of Research students:

| Name of teacher (Research Guide) | | No. of students | Topic of dissertation |
|-------------------------------------|---|-----------------|--|
| Dr. Mrs. J.F. | | 1 | Role fo Gonadal harmones on Mascarenhas taste preference, food intake and body weight in female rats |
| Dr. R.A. Dhume | 1 | | determination of peak expiatory flow n norms in young and aged Goans. |
| Dr. Mrs. M.E. Abraham | 1 | | Effect of stress on ingestive behaviour body weight and weight of various organs in rats. |

3. Research Project:

At present the Department of Physiology is engaged with ICMR Research Project entit "Hippocampus as Congitive Map-Implications of Interruption of Hippocampus-Septum_Hippocami Cholinergic loop in spatial memory tested with Rats in 4-arm radial one maze" under Dr. R.A. Dhur Associate Professor of Physiology who is the Principal Investigator of the Project with the follw Co-investigators: Dr (Mrs) J.F. Mascarenhas, Head of the Department, Dr. Mrs. A. Noronha, Demonstra and Dr Mrs. M.D. Nagvekar, Demonstrator, The duration of the project was for a period of three ye beginning from September 1986 and which ended on 31.8.1989.

Small individual projects mainly in Neurophysiology are being conducted by the individual teach staff members.

4. Publications:

A) Papers published

- 1. "Four-Arm Radial open maze (FAROM) as a tool assessing the effect of atrophine is spatial mem of the rats" Ind. J. Physiol. Pharmac., Volume 33, Number 1. 1989.
- 2. "Effect of dorsal hippocampal lesion compared to dorsal hippocampai blockade by atropine reference memory in vision deprived rats". Indian J. Med. Res. 90, Oct. 1989, pp. 379-385.
 - 3. "Effect of stress on behaviour in rats" Ind. J. Physiol, Volume 33 Number 2, 1989.
 - "Effect of stress on maternal behaviour" Indian J. Physiol. Pharmac., Volume 33, Number 2, 1989.
- 5. "Effect of immobilization stress on food intake, body weight and weights of various organs in Ind. J. Physiol. Pharmac., Volume 33, Number 3, 1989.

6. "Ingestive behaviour of starved rats after single intraperitoneal injection of fresh plasma from well-firats" Ind. J. Physiol. Pharmac., Volume 33, Number 4, 1989.

CI <u>DEPARTMENT OF FORENSIC MEDICINE</u>

1. Teaching Research staff in the Department:

Name Designation Educational Qualifications

a) Dr B.N. Reddy Professor M.D.(Forensic Medicine Osmania)

D.F.M.

b) Dr. RS. Audi Assistant Medico-Cirurgiao

Professor (Portuguese medical qualifications).

M.D. (Path & Bact. Bombay).

D.RB. (C.P.S.) M.D.(Forensic Medicine

c) Dr.M.S. Usgaonkar Lecturer M.D.(Forensic Medicine)

d) Dr. E. Rodrigues Demonstrator M.D. (Forensic Medicine)

(a) Research students:-

(a) Name of the teacher:- Dr. B.N. Reddy.

(b) No. of students:- Two M.D. (Forensic Medicine)

c) Full/part time. Full time.

3. Participation in Seminar,
Conference, Workshopirc.

Dr. RS. Audi, participated in seminar

"Medical ethics and negligence" organised by Ind. Association of surgeons and gynaecologist of Goa.

in 1990.

4. Publications Isolated Levocardia with abdominal

situs inversus. Indian Paediatrics 26th June 1989 page 592-594 by Dr. RS. Au

etal.

(R) DEPARTMENT OF MICROBIOLOGY

1. Teaching and Research staff in the Department:

1) DrInderpt Singh Prof & Head M.B.B.S.,M.D. (Microbiology

2) Dr.(Mrs)M.P. Verenkar Assoc. Prof. M.B..B.S.,M.D.(Path & Bact)

3) Dr. Savio Fldorigues Asst. Prof. M.B.B.S., M.D. (Microbiology)

4) Dr.(Mrs)Neena Kharangate Demonstrator M.B.B.S.,M.D.(Microbiology

5) Dr. V.A. Naik -do- M.B.B.S.,M.D.(Microbiology)
6) Dr.(Miss)Maria Jose Pinto -do- M.B.B.S.,M.D.(Microbiology)
7) Dr.(Mrs)Nilangi Virginkar -do- M.B.B.S.,M.D.(Microbiology)
8) Dr. Kishore Naqvenkar -do- M.B.B.S.

2. Details of Research students:

| Name of the teacher (Research Guide) | M.D. by research (Full time) | | |
|---|------------------------------|--|--|
| I) Dr. Inderjit Singh | 4 | | |
| ii) Dr.(Mrs)M.P.Verenkar | 4 | | |

Dr. Kishore Nagvenkar, Demonstrator, Dr. Manpreet P.G.Student, have completed their thesis respectively.

Kaur, PG. Student, and Dr.(Mrs) Anuja Kurx

3. Research Project:

- i) W.H.O. Collaborative study on antibiotic refistance in India.
- ii) Antimicrobial Sensitivity of Cifran sponsored by Ranbaxy Lab Ltd.
- iii) Role of Aeromas special in diarrhoea in Goa.
- iv) Shigellosis in Goa-a thesis by Dr. Manpreet Kaur.
- v) Aeruginocine typing of Pseudomonas aeruginosa isolates-a thesis by Dr. (Mrs) Anuja Kunde.
- vi) Vibrosis in Goa by Padamjit Singh.
- vii) Clinico bacteriological correlation from Paediatric cases of acute diarrhoea a thesis by Dr. Noi Noronha

4. Participation seminars, conferences, workshops, etc.

- i. Department participated in seminar organised by Roussel Pharmaceuticals (India) Limited, 'paediatric Diarrhoea and Malnutrition.'
 - ii) Dr. (Mrs.) M.P. Verenkar, Associate Professor attended workshop on AIDS in Delhi in April, 1990.

5. Other details:

Dr. Savio Rodrigues underwent training in Estimation of 14 T8 at all India Institute Medical Resear New delhi from 19th to 24th February, 1990.

S DEPARTMENT OF PHARMACOLOGY

1. Teaching and Research staff:

- (1) Dr. V.G. Dhunne, Professor & head, M.D.
- (2) Dr. N.V. Agshiker, Associate Professor, M.D.
- (3) Dr.(Mrs) R. Diniz D'Souza, Assn. Professor, M.D.
- (4) Dr. (Mrs) S.S. Hedde, Lecturer, M.D.
- (5) Dr. J.S.C. Pereira, Lecturer, M.D.
- (6) Dr.(Mrs) S.A. Bhonsule, Demonstrator, M.D.
- (7) Dr.(Mrs) RN. Bhandare, Demonstrator, M.D.

- (8) Dr. P.V. Rataboli, Demonstrator, M.B.B.S.
- (9) Shri V.R. Naik, Pharmaceutical (Research) chemist, M. Pharm

2. Visiting Teachers:

Dr. B.B. Gattonde, Hon. Professor of Clinical Pharmacology, M.D.

3. Details of Research Students:

| Name of the teacher (Research guide (MD) | M.A.M.Sc. b | | No. of students | |
|---|-------------|-----------|-----------------|-----------|
| (.toodaron gardo (m.z.) | Full time | Part time | Full time | Part time |
| 1 | 2 | 3 | 4 | 5 |
| Dr, V.G. Dhume | Full time | | 2 | |

4. Research Projects:

The Department is conducting following research projects from the funds alloted by the St Governments.

- (1) Mechanism of ethanol-induced gastric lesions in rats and mice.
- (2) Monitoring of adverse Drug Reactions.
- (3) Therapeutic Drug Monitoring of Anti-epileptic agents.
- (4) Mechanical of desensitization to beta againsts in bronchial asthma.

5. Participation in Seminars, Conferences, Workshop etc.

- (1) Role of paediatric diarrhoea in malnutrition' held on 3-2-1990 in Panaji. Jointly organised by G Medical College and Roussel Scienticfic Institute, Bombay.
- (2) Biological Evaluation of Marine Products on 28-9-1989, organised by Department of Oce Development, Govt. of India, at CDRI, Lucknow.

e. Publications:

- (a) A compasion of four analgesics in post-episiotomy pain. Bhonsule, S.A. Nevrekar, PR., Agshill N.V. Pal, M.N. and Dhume, VG. Ind, J. Physiol. Pharmac (1990): 34: 34-38
- (b) Effect of captopri on oxyphenbutazone and ethanol-induced gastric lesions in rats. Bhonsule, S. Pereira, J.S. Hede. S.S. and Diniz D'Souza R.S. European J. Pharmacology (1990) 177: 87-90.
- (c) The actions of human a trial natriunetic factor on hepatic arterial and portal vascular beds of 1 anesthetised dog. Withrington, PG. Dhume V.G. Croxton, R, and Gerbes A.L. Br. J. Pramacol (1990) 99: E 814.
- (d) Comparasions of the effects of taptopril and enalapvil on oxyphenbutezone and ethanol Induc gastic lessions in rats. Diniz D'Souza R.S.; Bhonsule S.A. and Dhume V.G. (accepted for publication in 11 J. Physiol, Pharmac 1990).
- (e) Protective effect of propranoia on ethanol induced gastic lesion in mice. Bhandare, P.N. Dir R.S. Mainker, A.V. and Dhume, V.G. (Under publication in European J. Pharmacol 1990).

T. DEPARTMENT OF ANATOMY

| Name of Teacher | Designation | Educational Qualification | Research Undertaken present |
|------------------------------|--------------------------------|---|--|
| 1. Dr.G.J. Bhandari | Associate Professor | M.B.B.S. M.Sc.(Med) | See Appendix 'A' |
| 2. Dr.R.B. Dessai | Assistant professor | Medico Surgeon Lic. in Med M.Sc.(Med) | Histochemistry of nasal glands after |
| 3. Dr.A.V. Mainker | Assistant Professor | M.S.(ANAT) | stress. See Appendix 'A' |
| 4. Dr. (Mrs)M.V. Bargi | Lecturer Lecturer | M.B.B.S. M.S.(ANT) M.B.B.S. | |
| 5. Dr. (Mrs)A.A. Nagarsenkar | Demonstrator | M.B.B.S. | |
| 6. Dr. Mrs.U.P Bhate | Demonstrator | M.S.(Human Anato | my) |
| 7. Dr. P.R. Pal | Demonstrator Demonstrator | M.S.(Human Anot | omy) |
| 8. Dr. Mrs. M.P.C. Dias | M.S. Human Anat. Demonstrator | M.B.B.S. M.S. Human Anoto | omy |
| 9. Dr. Mrs.R.N. Dubhashi | | W.S. Human Anote | этту |
| 10.Dr.P.E. Natekar | | M.B.B S M.S. | Attended Cytogenel Workshop for a month at St. John'l Medical College Bangalore. |
| Sr. Name ofGuide No. | Name of P.G.Student | Educational Qualification University | Title of Thesis/ Dissertation and da of Submission (if an |
| 1. Dr.V.G. Monteiro | Dr. (Miss) Fatima D'Souza | M.B.B.S. | Programmed Cell Death |
| 2. Dr. G.J. Bhandari | Dr. (Mrs) Aruna Mukherjee | M.B.B.S. | Estimation of Stature from tibial length and measurements of foot in Ethric group of India. |
| 3. Dr. A.V.Mainker | Dr(Miss)Deepti Shasthri | M.B.B.S. | Topic not allowed. |

APPENDIX-'A'

LIST OF PAPERS PUBLISHED/SUBMITTED FOR PUBLICATION/ACCEPTED FOR PUBLICAT Period from 1-4-1989 till 31-3-1990) Applicable to all staff members and PG. students of Department.

1. Mishra, Y.C. Nadkarni, N and Mainker, A.v. (1990): **Mucoepidermoid Carcinoma of Minor**

Salivary Glands: Journal or Pierre Fanchard Academy. 4;1, 165 - 167

2. Mishra, Y.C. Nadkarni, N.S., and Mainker, A.V. (1989): Primary Oral Malignant Melanoma. -

case report: Annats of Dentistry 48;2,

12-15

3. Mainker, A.V. Bhandari, G.J. Audi, PS. Pal, M.S. True isolated laevocardia with abdom and Rao, H.B. (1989):

situs inversu Indian Paediatrics 26,

592-594

4. Bhandare, P, Diniz -D'Souza, R. Mainker, A.V. and

Dhume V.G.:

"Protective effect of Propronolol on Ethanol- induced gastric lesions in mi Manuscript accepted for publication k

EUROPEAN JOURNAL OF

PHAFIMACOLOGY

B -2 GOa CoHap of Pharmacy,

Panap-Goa.

The College was established in the year 1963 it imparts instruction in the subjects leading to B.Pharn 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, offices, Libra' etc. Although the college makes use of Govt. grounds for outdoor games, there are facilities for Volley-be games in the college-compound. There are also Hostel facilities are provided to 60 boys and 35 girls.

Details of Teaching staff:

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

Designationwise Teaching strength:

| i) Professors | 2 |
|--------------------------------------|-----------------------|
| ii) | Asstt. Professors 3 |
| iii) | L |
| ecturers | 12 |
| Non-teaching staff: | |
| i) Sr. Laboratory Technician | 2 |
| ii) | Technical Assistant 4 |
| iii) Head Clerk | 1 |
| iv)Accountant | 1 |
| v) U. D. C. | 2 |
| vi)Stenographer | 1 |
| vii) | Librarian 1 |
| viii) | Asstt. Librarian 1 |
| ix Store Keeper | 2 |
| x) Doc. Assistant | 2 |
| xi) | L.D.C. 6 |
| xii) nstructor of Physical Education | I 1 |

Library

Total number of text books/reference books/periodicals/academic journals in the Library

Books 3703

Journals 36

Enrolment and Results

| Branch of study | Degree awarded | Total e Boys | enrolme Girls | nt Total | Percentage of final year MarApr,89 | of results Oct. Nov89 | Mar Apr 90 |
|-----------------|-------------------|-----------------|------------------|-------------|---------------------------------------|--------------------------|------------|
| l year | | 18 | 12 | 30 | | | |
| 11 year | | 09 | 16 | 25 | | | |
| III year | | 09 | 10 | 19 | | | |
| IV year | B.Pharm | 09 | 08 | 17 | 92.3% | 66.6% | 100% |

B-3 <u>College of Engineering, Goa,</u> <u>Farmagudi-Goa.</u>

The College was established in 1967. It is managed by the Government of Goa to impart instructior the approved subjects leading to the degree of Bachelor of Engineering (B.E.) in Civil, Mechanic Electrical, Electronics and Tele-communication branches.

Facilities for all outdoor games are provided by the college. During the year 470 boys and '80 g were provided with accomodation in the College hostels

Teaching staff:

Head Clerk

vi)

| 10 | eaching starr: | | | |
|----------|---|-----------|-----------|---------------|
| N | umber of Teaching staff: | | | |
| Ca | ategory | Full time | Part time | |
| P | ermanent | 25 | | |
| Te | emporary | 21 | | |
| <u>D</u> | etails of Teaching staff: | | | |
| P | rincipal: Dr. G.K. Pacholi | | | |
| -, | A Participation of | | 1 | |
| I, |)Principal | | 3 | |
| ii |) Professor & Head of Department | | 5 | |
| i | ii) Professor | | | |
| i | v)Assn. Professor | | 13 | |
| v |) Lecturers | | 24 | |
| ٧ | ri)Workshop Superintendent. | | 1 | |
| <u>D</u> | etails of Non-Teaching staff: | | | |
| i) | Store Officer | | 1 | |
| II |) Store clerk | | 1 | |
| iii |) Jr. Stenographers Deputy Registrar | | | 2 1 |
| | Asstt. Accounts Officer | | | 1 |
| ٧ | y) Accountant | | | _ |
| | | | | 1 |

| vii) Library Attendants | 2 |
|-----------------------------------|------------------|
| viii) UDCs | 4 |
| ix) LDCs | 10 |
| x) Draftsmen - | |
| xi)Technical Assn. | 7 |
| xii) Laboratory Assn. | 20 |
| xiii) Lib. Assistant | 3 |
| xiv) Class IV | 62 |
| <u>Library:</u> | |
| ry: Total_number of text Books | 28079 |
| Reference books | 1000 periodicals |
| Academic journals | 54 |

Sports

A Full fledged Physical Training Instruction from the sports Department of Goa, is provided which is incharge of the complete sports activities of this Institution. Sports materials for football, Volleyball, hocki cricket etc. is available and is used by the students for playing.

A playground for football and hockey are made available with facilities of a 400m. track for athletic ϵ separate ground for cricket is available. The basket-ball and volleyball courts are available to cond tournaments. The indoor stadium for indoor games like badminton table-tennis, weight lifting and carron available.

| Statistical details regarding Teaching courses and the students. | | | | | |
|--|-----------------|---------|-----------|------------|---------|
| | 1st year | | IInd year | IIIrd year | IV year |
| (B) | 125 | (ETC) | 18 | 19 | 26 |
| (G) | 025 | | 04 | 05 | 03 |
| (B) | | (Elect) | 19 | 16 | 31 |
| (G) | | | 02 | 10 | 03 |
| (B) | | (Civil) | 35 | 44 | 63 |
| (G) | | | 15 | 05 | 09 |
| (B) | | (Mech) | 46 | 52 | 62 |
| (G) | | | | 01 | |

B-4 <u>Nirmala Institute of Education, Altinho, Panaji- Goa.</u>

The Nirmala Institute of Education was, established in June 1963. The college is affiliated to C University and imparts instruction in Courses leading to B.Ed. and M.Ed. degrees

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

Since most of the students are over 25 years of age, no outdoor games are conducted by the institt However, provision is made for Indoor games. Hostel facilities are provided only for girl students.

Details of Teaching staff

i) Books

Principal: Dr. (Miss) Jennifer Fonseca, who is also a lecturer

| Teac | hing staff: | |
|--------------|---------------------------|-----------|
| Cate | egory | Full-time |
| Perm | nanent | 9 |
| Prob | ationary | 1 |
| Tem | oorary | 2 |
| Desig | <u>gnationwise</u> | |
| Princ | ipal | -1 |
| Lectu | urers | - 11 |
| Deta | ils of non-teaching staff | |
| 1) | Librarian | - 1 |
| 2) | Head Clerk | - 1 |
| 3) | Accountant | - 1 |
| 4) | Senior Clerk | - 1 |
| 5) | Junior clerks | 2 |
| 6) | Class IV staff | - 6 |
| <u>Libra</u> | ary | |
| "\ D | .1 | 2052 |

- 9650

ii) Periodicals

Enrolment and Results

| Branch of Study | Degree to be awarded | Duration of Degree Course | | No. of students admitted in 1989-90 final year | | Percent result of | • |
|-----------------|----------------------------|---------------------------------|--------|--|-------|----------------------|--------|
| | | | Girls | Boys | Total | Apr'89 | Apr'90 |
| Education | B.Ed. | One year | 21 | 65 | 106 | 97% | 97% |
| Education | M.Ed. | Two years | 1st 08 | 02 | 10 | 80% | 100% |
| | | | 2nd 07 | 05 | 12 | | |

B-5 Goa College of Fine Arts, Altinho, Panaji - Goa.

This is a Government of Goa Institution established in June 1972 and imparts instruction in approv subjects leading to B.F.A. (Painting) and B.F.A. (Applied Art) degrees.

It functions in its own building having nine classrooms. Outdoor sports activities are conducted on 1 Police playground which is adjacent to the college premises. For hostel facilities, there are 2 flats for bc and seats for girls students are alloted in Government Polytechnic and Pharmacy college girls hostel.

Details of Teaching staff 1 i) Principal Sr. Lecturer ii) iii) L ecturers. 16 Non-teaching staff i) A.A. Officer 1 ii) Reg.Cum-Head clerk iii)Accountant 1 iv) Librarian 1 v) A/Clerk vi) UDC 1 1 viii Jr. Stenographer 2 viii) LDCs 2 ix)Drivers x) Class IV staff. 11 Library 1) Textbooks/reference books 5512 2) Periodical/academic journals 2190

Statistical details regarding Teaching Courses and Students:

| Sr. No. | Branch of Study | degree to be awarded | Duration No. of students admitted ir of degree 1989-90 (sex-wise) course. | | |
|---------|--|-------------------------------------|---|--|--|
| | | | 1st 2nd 3rd 4th 5th total yr yr yr yr | | |
| 1 | 2 | 3 | 4 5a 513 5c 5d 5e 5f | | |
| 1 | Bachelor of Fine Art and Applied Art. | B.F.A. Painting/ Applied Art, | 5 years. (Boys) 22 24 24 26 23 119 (Girls) 15 11 14 09 14 65 | | |

Results of the college percentage-wise in respect of final year University examination in differe sub ects.

| | March/April, | 89 | Oct./Nov89 | March/Ap | r'90 | |
|----------------------|--------------|-------|-------------------------------|-----------|------|-------|
| Course | Appeared F | assed | Per. Appeared- Passed Per. Ap | peared Pa | ssed | per |
| 1. B.F.A. Paintin | | 06 | 100% | 09 | 06 | 66.6' |
| 2. B.F.A. Applied | | 18 | 95% | 30 | 30 | 100% |

B-6 Mahadevrao Salgaocar college of Law

The College was established in June 1973 and since then it has been imparting instruction leading the first degree in Law(LL.B.) Besides this Diploma Classes of the Goa Institute of Managemet Studies ϵ also conducted by the College.

The College is managed by the Devi Shreevani Education Society, Vasco Da Gama in its 0% two-storeyed building having 4 class rooms. Grounds are taken on hire for indoor and outdoor games.

Details of teaching staff

Principal: - Shri M.N. Samant

Teaching Staff: Nine

| Category | | Full time | | Part tim | e | | |
|------------------------|-------------------------|--------------------|-------|-----------------------------------|------|--------|----------|
| Permanent | | 4 | | | | | |
| Temporary | | | | 5 | | | |
| Details of I | Non-teaching staff: | | | | | | |
| Superintend | ent | | | 1 | | | |
| Accountant | | | | 1 | | | |
| Typist-clerk | | | | 1 | | | |
| Steno | | | | 1 | | | |
| Class IV staf | f | | | 7 | | | |
| Librarian | | | | 1 | | | |
| Asstt. Librar | ian | | | 1 | | | |
| Enrolment | and result | | | | | | |
| Branch of E study | Degree to be awarded | Duration of degree | | No. of s 1989-90 1st |) | ts adm | |
| Law | LLB. | 3 years | Boys | 182 | 51 | 48 | 281 |
| | | | Girls | 51 | 12 | 15 | 78 |
| Percentage of Results: | | April 1989 | | October | 1989 | | April 90 |
| LL.B. | | 80% | | 75% | | | 40% |

Library:

| Total number of text-books | -2265 |
|----------------------------|-------|
| Reference Books | -969 |
| Periodicals | -2480 |
| Academic Journals - Legal | -32 |
| General | -19 |

B-7 <u>Vidya Vikas Mandal's Govind Ramnath Kare College of Law Margao - Goa.</u>

The College was established in June, 1979, It is run by Vidya Vikas Mandal and imparts instructior the approved subjects leading to LL.B. degree.

The institution is run in a private building having four classrooms and other space for office, library el In the absence of its own playground, sports activities are held on the neighbouring grounds.

Details of Teaching staff:

Offg. Principal: Arun S. Nadkarni

Total Teaching Strength: 9

| | Full time | Parttime | Lecture basis Peni |
|-------------------------------|-----------|----------|--------------------|
| Probationary | 1 | | |
| Temporary | | 6 | |
| lecturer basis | | | 1 |
| Details of Non-Teaching staff | | | |
| Head Clerk | | 1 | |
| Librarian | | 1 | |
| Sr. Clerk | | | |
| Jr. Clerk | | 1 | |
| Class IV staff. | | 5 | |

Enrolment and Results

| Branch of No. of students adm study in 1989-90 | nitted | | Percentage Apr'89 | Percentage Results. Apr'89 Oct'89 | | |
|---|--------|-------|----------------------|---|--------|--|
| | Boys | Girls | | | | |
| F.Y.LL.B. | 97 | 38 | 17.98% | •23.26% | 16.67% | |
| S.Y.LL.B. | 27 | 07 | 32.26% | 38.89% | 42.11% | |
| T.Y.LL.B | 33 | 09 | 77.78% | 100.00% | 50.00% | |

Library

| Library books | 3376 |
|-----------------|------|
| Reference Books | 756 |
| Periodicals | 8 |
| Journals | 9 |

B-8 Goa Dereo 8, p₁₁ Hospital, Bamboilm.

The Goa Dental College & Hospital is run by the Government of Goa. It is established in June, 1989.

Suresh B. Shetye, Hons Dean from 1.7.89 to 20.4.90

Accomodation (Class Rooms)

The College building belongs to the Government, It is owned by Goa Medical College, Governmen1 Goa. It is exclusively used for the degree College.

Teaching staff:

1. Number of teaching staff:-

| Category | | | |
|----------|-------------------|-----------------------------|----|
| Ad-hoc | i) Professor | | 5 |
| | ii) Asstt. Profes | sor | 3 |
| | iii)Lecturer | | 8 |
| | iv) | Demonstrator | 1* |
| | | 17 * belonging to Scheduled | |
| | | Castes | |

2. Details about faculty Improvement Programme:-

Dr. S.T. Talim, Ex-Dean and Dr. S.A. Kale, Professor were invited as Visiting Professors. They conduc teaching programme in the subjects of Operative Dentistry and periodontia respectively for the benefi1 students of this Institution.

Dr. PK. Chandra, Professor of Orthodontia in this Institutions was deputed to attend 44th Indian Der Conference at Calcutta to present his scientific paper entitled "Sliding tube - new method of Can Retractor"

Dr. Ajit D. Dinkar, Assn. Professor of Oral Medicine/ Diagnosis of this Institution was deputed to attE symposium on "Research Method in Clinical oncology" at Tata Memorial Hospital, Bombay.

3. Details of Teaching staff beginning with Principal

Dr. K.P kamat, Dean of the College is also a teacher in Peridontia

| Department | No. of teachers | | | |
|----------------------|-----------------|--|--|--|
| Prosthetic Dentistry | 4 | | | |

| Oral Surgery | 3 |
|------------------------------------|-----|
| Orthodontia | 2 |
| Operative Dentistry | 2 |
| Radiology | 1 |
| Oral Medicine Diagnosis & Radiolog | y 1 |
| Peridontia | 2 |
| Orthodontia | 1 |

4. Non-teaching staff:

The details of Library and other non-teaching staff as on date.

| Designation | Number of staff |
|-------------------------|-----------------|
| Asstt. Accounts officer | 1 |
| Office Superintendent | 1 |
| Asstt. Librarian | 1 |
| Accountant | 1 |
| Staff Nurses | 7 |
| Jr. Engineers | 2 |
| U.D.C.s | 23 |
| Jr. Stenographers | 1 |
| Store Keeper | 1 |
| Dental Technicians | 2 |
| X-ray Technician | 1 |
| Artist cum Photographer | 1 |
| L.D.C.s | 7 |
| Jr. Library Assistant | 1 |
| Lab. Assistants | 3 |
| Assn. Electrician | 1 |

| Plumber | 1 | |
|---------------------------------------|---|-----|
| Mechanic | 1 | |
| Drivers | 3 | |
| Radiographer | 1 | |
| Peons | 3 | |
| Sweepers | 7 | |
| Cleaners | 2 | |
| Library Attendants | 2 | |
| Watchmen | 2 | |
| Hyginest/Chairside | 2 | |
| Sr. Resident | 1 | |
| Jr. Residents | 2 | |
| 5.Library: | _ | |
| Total number of text books in Library | , | 621 |
| Total number of Reference books | | 570 |
| Total number of Periodicals | | 10 |
| Total number of Academic Journals | | 68 |

6. N.C.C./Sports, Debates, Cultural Activities, N.S.S. Educational and Extension work, etc.

The Institution participated in inter-collegiate sports. On the cultural front, traditional fresher's welco **party** was organised, Ganesh Festival was celebrated with pomp and gaiety. Various **competitions h during** Ganesh festival had good response from the students community. Annual social **gathering was h in** Dinanath Mangueshkar Hall at Kala Academy, Campal **Panaji**.

7. Statistical details regarding teaching course and students:-

| Branch of | Degree to be | Duration of degree |) | | | dents a) (Sex-v | dmitted vise) | ł | |
|--------------|-----------------|--------------------|----------------|----------|--------|---------------------|------------------|---|---------------------------------------|
| study | awarded | course | | l yr. | | llyr. | Illyr. | | Final |
| | | | | | | | | | B.D.S. Semester I & II total |
| Dentistry | B.D.S. | Four years | Male Female | 12 10 | 3 8 | 5 15 | 3 23 | 2 | 25 15 17 |

8. Result of the college percentagewise in respect of the Final Year University Examination:-

(Result of March/April/May, 1989 and October/November, 1989 and April/May, 1990):-

1. April/May, 1989 75%

2. October/November, 1989 84.61%

3. April/May, 1990 90%

8-9 Goa College of Architecture, Miramar, Panaji - Goa.

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

It functions in a private rented building. There are 4 studies and 1 lecture room.

The open Ground at Campal is being used for sports activities as the college does not have its \boldsymbol{c} playground.

The hostel facilities are provided on share basis with the polytechnic and the Pharmacy wherein students were provided with hostel accommodation. Planning, Urban Design, Landscape, etc.

Details of Teaching Staff

Principal, Shri A.K. Srivastava

No. of teachers by designation

Professor

| Asstt. Professor | 2 |
|-------------------------------|---|
| lecturers | 4 |
| Details of Non-Teaching staff | |
| Head Clerk | 1 |
| Model Room Asst. | 1 |
| Jr. Stenographer | 1 |
| UDC | |
| LDCs | 2 |
| Drivers | 2 |
| Class IV staff | 4 |

Statistical details regarding Teaching courses and students.

| Branch of | Degree to | Duration | of | Numl | per of | studen | ts admi | itted No. |
|------------------------|-----------|----------|-------|-------|---------|--------|---------|-----------|
| Study | be | degree | | in 19 | 89-90 (| Sex-w | ise) | |
| _ | awarded | course | | 1st | 2nd | 3rd, | 4th 5 | th Total |
| | | | | yr | yr | yr | yr | yr |
| | | | | 5-a | 5-k | 5-с | 5-d | 5-e 5-f |
| 1. Architecture B.Arch | | 5 years | Boys | 4 | 7 | 14 | 7 | 8 |
| | | · | Girls | 17 | 13 | 7 | 8 | 12 |
| | | | Total | 21 | 20 | 21 | 15 | 20 |

NCC, Sports, Debates, Cultural activities, NSS, Educational and Extension Works etc.

The students participated in Sports such as foot-ball/Cricket, etc. and other Cultural activii conducted by other College such as Creations, Happenings etc, The Goa College of Architecture, Miran Panaji stood IInd overall for Creations for Festival in December, 1989. Naresh Naik and Sachin Rai seemed first place at G.I.M.S. Quiz and second place in U.N. Beno Quiz.

Master Naresh Naik represented Goa University at the West Zone National (Cultural) in Quiz for the'; year in succession.

The Students Council had published a News-letter. A team of 30 students participated in the Natic Association of students of Architecture Convention 1989 at Bombay. The team was led by Prof. Madhavi Dixit Naware

13-10 <u>Kale Academy College of Music,</u> Pana i Goa

The Kala Academy College of Music at Campal was established in 1987 by Government. It temporarily affiliated to the Goa University to impart instruction in the Indian Classical, Vocal a instrumental music leading to the degree in Bachelor of Music, which is a five year course of study.

Details - teaching staff

Principal - Shri C.S. Naringrekar Teaching staff Two

| Category | Full-time | Part-time |
|---|-----------|---------------------|
| Permanent | 1 | |
| Probationary | 2 | |
| Temporary | | 5 |
| Details of Non-teaching staff Non-teaching staff | | (Visiting Lecturer) |
| Two | | |

Library There is no separate library for the college of music. All the relevent text books/referer books/periodicals/academic journals are provided to the college students by the Kala Academy G Library.

Enrolment During the year there were only 7 boys and 2 girls for the first year and 5 boys and 2 g for the 2nd year of the course.

C-1 Xavier Centre of Historical Research, Alto Ponrorim

1. Xavier Centre of Historical Research is an autonomous registered society with its aims objectives of promoting research and publications in history, with special emphasis on the Portugui period, church in India, and third world issues. The Xavier Centre completed its first decade of activities November 4.1989.

The Goa Xavier Co. Pvt. Ltd. that owns all the property of the Society of Jesus in Goa, has mi available to the Xavier Centre of Historical Research the building and the surrounding plot. The land the building are made available to the Xavier Centre of Historical Research on a rent-free and indefii lease to carry out its objectives as defined in its memorandum of Association. The Chairman of the C Zavier Co. Pvt. Ltd. is also the Chairman of the Xavier Centre for Historical Research.

The Xavier Centre shifted to the new premises in January 1983. The Premises have an office block v a courtyard. The ground floor has the offices (Institute Office, Director's office, and Administrator's offk 2 conference rooms, one lounge, a computer-cum-microfilm room, and a reprography room. The up floor holds the auditorium cum-museum of the Xavier Centre and the XCHR Sussen Historical Resea Library. Attached to the Library is the Reading Room and a Manuscripts Rooms.

Library

The Library reference facilities continue to be made available without any fees. A PC-AT has b(added to existing two PC-XTs. The computerisation of the library is in progress. CDS/ISIS supplied CENDIT (New Delhi) is being implemented for this purpose. Xeroxing facilities and microfilm reader available to the scholar using the library and microfilm facilities for a fee.

The XCHR-Sussen Historical Research Library holds a total of 13,000 books, 200 cyclostyled volun of Government reports and various history seminars, 45 volumes of xeroxed archival material, and loose maps of historical and geographical value. The journal section of the library holds 395 titles.

The Portuguese documents of Mhamai House Papers numbering over 100,000 papers have bi arranged chronologically into files.

The microfilm section has about 8,500 documents on microfilms, and more are being added from t to time. These cover material from archives in India and abroad.

The mini.museum of the xavier Centre was inaugurated in March, 1986. It concentrates on the Gi Christian art, but also includes valuable collections of stamps, coins and medallions.

Attached to the office block and facing south is the residential block for the resident Jesuit staff of Xavier Centre, Plus four rooms for the visiting scholars and other guests.

- 2. Academic staff: 1. Director: Dr. Teotonio R. de Souza, M.A., Ph.D.
- 2. Library-in-charge & Administrator: Fr. Charles. Borges, S.J., M.A., Ph.D. (History)
- 3. Library Assistant: Mr. Alex Pires
- 4. Research Assistant Mrs. L.M. D'Souza

Non-Academic Staff

Office Assistant 1

Office Attendant 1

3. Staff Activities: Director: Dr. T.R. de Souza

- 1. Was invited as Historian Advisor for the Meeting of the Theological Advisory Committee of 1 Federation of Asian Bishops Conference in Singapore in the first week April 1989.
- 2. Gave a talk at a seminar on "Democratisation in Latin America" organised by the Goa University April 17-18, 1989.
 - 3. Was invited to the National Convention of Catholic.
- 4. Participated in the Meeting of EATWOT's Working Commission of Third World Church History London on June 30 July 9 1989. At this meeting Dr. T.R. De Souza was elected to the 3-member execut of a new working commission on Church History in the Third World and was appointed Joint-Editor c volume History of the Church in the Third World, and Executive Editor of the Asia volume to be publist by Nurns & Oates Ltd. in London.
- 5. Conducted a course on "Third World Perspectives in Church History" for "Peace and Just Workshop" in Thailand at the end of August and early September 1989.
- 6. Was invited to write a foreword and to preside over the function of release of the book "Arjuna: 1 profile of a Village" written by Mrs. Theresa Albuquerque, the Secretary of the Hems Society (25th Octol 1989).
- 7. Conducted a course on "Indian Church History" at Vidyajyoti Institute of Religions(Delhi) during first half of December, 1989.
 - 8. Addressed a Seminar at Hong Kong on "Church and the Making of History" (Dec.29 Jan., 1990)
- 9. Delivered lectures on "Latin Church in India" Past and Present" and on "The Traditions of St. Thor Christians" at the local experts committee of Catholic Conference of Bishops of India in Panjim on Feb 1990.
- 10. Was appointed Vice-President of the First Managing Committee of the Archdiocesan Trust fc Christian Art Museum in Goa.
 - 11. Gave six lectures to M.A. (History), Part II, from April, 5-7, 1990
- 12. Completed and published a volume on Economic History for the Goa Through the Ages 5-volu project of the Goa University. The volume was released by Prof. Sheik All at the New University Campu Taleigao on April, 10,1990.

<u>Administrator: Fr. Charles Borges.</u> was awarded Ph. D. degree by the Bombay University in Auc. 1989 for his thesis on "The Economics of Goa Jesuits: 1542-1759".

Presented paper at the seminar on "Ocean, Religion and Archaeology" Organised by the NIO (Goa) 5th August, 1989.

Participated in the seminar of the Goa University and the Department of Archives on "Foreign Relatii of Goa" (17 Feb.1990).

Spoke at the international seminar on "Relations between the Arabian Gulf and the Continent of Ind at Ras Al Khaimah (UAE) (23-25 March, 1990)

Assn' Administrator: Fr. Cajetan Coelho

he arrived at the centre in January 1989 after some years of research in Belgium and Holland. He I been awarded a research fellowship by the University of Pondicherry and is working there for his Pt under the direction of Dr. K.S. Mathew, History Department.

5. Projects:

1. The Indian Council of Historical Research, New Delhi, granted two projects to the Centre: translation of the works of **the** Portuguese historian Joao de Barros, and the documentation and translat **of the records of the Jesuits in India prior to their** suppression in 1759. Mrs. Lilia de Souza and Mrs. 1'.& **Lourdes Lobo are in charge of** these **respectively.**

6. Portuguese Language Courses'

These are held twice a year since 1981. The May 1989 course was attended by 4 students October 1989 by 13 students. The Centre will organise a series of six crash courses from basic **advanced levels for a group of** twelve students/scholars deputed by the Indo-Portuguese cultural Societ Cochin, and **sponsored by the** Calouste Gulbenkian Foundation of Lisbon from October this year **till Al 1991**.

7. XCHR Seminar:

A national seminar on "Jesuits in India: In Historical Perspective" was organised at the Xavier Retr House, Baga from the 2-4- November, 1989 to celebrate the tenth anniversary celebrations of the cen Twenty-four scholars presented their papers, while there were twelve other participants. It ended wit valedictory function at centre premises in Porvorim, addressed by the Vice-Chancellor of the C University, Dr. B. Sheik Ali.

8. Consultancy Services

There have been regular visitors to the Xavier Centre seeking historical information. There have IN requests for information through correspondence: Fr. Francisco Zurbano. S.J., (Santuario de Lop Azpeitia, Spain) on all publication in Goa on St. Francis Xavier; Catherine Dubreil of Editions Antebi (Pa for a inconographic volume on the Jesuits; Prof. J.B. Segal (Edgware, England) asked for information relations between the Jews of Cochin and the Portuguese authorities during the period of Portugul domination in India; Jivan editor requested an article on "The Jesuits in India: a historical glance". 7 Indian Council of Historical Research and the Tata Institute of Social Sciences referred two books for expert comments of Dr. De. Souza.

9. Visitors:

Over 150 Scholars and some regular students of the Goa University who visited the Centre, inclur several from abroad, like Bishop Joseph Coutts (Hyderabad, Pakistan), Fr. Noel de souza (Rome), mariti historian Genevieve Bouchon (Paris), Herman Kellenbenz (Director of Fuggar Archives Dilleng Germany), Mario Miranda (Artist, Bombay), Fr. Jose Bacelar e Oliveira (Ex-Rector, Catholic Univer: Lisbon, trustees of the Fundacao Oriente (Lisbon°, Dr. Fernanda Almeida Moro (anthropologist, Bra David Higgs (Univ. of Toronto), Jayanti Maitra (researcher, Abu Dhabi), Robert Newman and Caroline If (abthropologists, Australia), Profs. L.V. Mitrokhin and G.K. Shirokov of the USSR Academy of Sciences, and Mrs. J. Blanco (Director, Calouste Gulbenkjan Foundation).

10. Scholars in residence:

Olaf Montelius (Sweden; Jan Kieniewicz (Poland), Margaret Bakos (Porto Alegre; Brazil), and Jeremiah Mhume (theologian, Tanzania). They stayed at the centre to consult the Library and to disci research matters.

11. Publications of the Centre (Articles and Books); T.R. de Souza, "Embassies and

Suorogates", Indica, Vol.26, nos. 1-2 (March-September 1989); 39-3f.

TR. de Souza, "M.N. Pearson, The New Cambridge History of India, 1.1: The Portuguese Asia; Aspe in History and Economic History, (ed.), Portuguese Asia: Aspects in History and Economic Hist(Stuttgart, 1987" (Book Review), Indica, Vol. 26, nos. 1-2 (March-Sept. 1989): 155-159.

"Goa Through the Ages: An Economic History", II (Goa University Publications Series, No. 6) Teotonio R de Souza, New Delhi, 1990 (pp. 314).

James Fernandes, "In Quest of Freedom", New Deslhi, Concept Publ. 1990.

Charles J. Barges, "Then and Now: Jesuits in India" Company (Chicago, U.S.A.) Vol. 7, No.3. pp. 8-

12. Ph.D. Research:

Four Scholars continue their Ph. Ddirection of Dr. T.R.de Souza.

C-2 Goa Institute of Management studies

The Institute which was established in June 1977 is run by the Devi Shreevani Education Socil Vasco-da-Gama in the same building where Mahadevrao Salgaonkar College of Law is located. 1 Director S. Narsimha Raj is the only teaching member of the Institute.

The Library of the Institute has over 2,100 books.

Details of Teaching staff.

| Details of Teaching Staff. | |
|--|---|
| Management/HAM | 1 |
| Economics | 1 |
| Management/Personal Management | |
| Financial MGT. | 2 |
| Managerial Statistics | 1 |
| Statistics | 1 |
| Operations MGT. | 3 |
| Office MGT. CO.Law Secy Practice | 1 |
| Materials MGT. Co. Law & Secy Practice | 1 |
| Computer Data Processing | 1 |
| Accounting Systems | 1 |
| Business Accounting | 1 |
| Costing | 1 |
| Business Law | 1 |
| Marketing | 1 |
| Production Management | 1 |
| Personnel Management/ Industrial Relations | 1 |
| Non teaching staff. | |
| Clerk/Typists | 2 |
| Asst. to Director | 1 |

Enrolment of students

DBM 26

DAM 22

Resufts:

| Course | Exam. Jan'90 | | Exam May/June '9 | 0 |
|--------|----------------|----------|------------------|-----------------------------|
| | (1st Semester) | | (11 Semester) | |
| | Appeared | Passed A | Appeared | Passed |
| DAM | 18 | 9 | 20 | (results not announced yet) |
| DBM | 15 | 2 | 20 | 2 (4-R) |

C-3 Vidya Vikas Mandal's Institute of Management Training and Research

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

It is run in private building which has four classrooms in addition to one room each for Directo office, College office, teachers commonroom and students common room.

As the institute runs part-time courses on Saturday's and Sundays only it provides no other faciliti like playground, hostels etc.

Teaching staff:

| Category | Full time | Part time. |
|------------------|-----------|------------|
| On Contract | 1 | |
| On Lecture basis | | 8 |
| <u>Library</u> | | |
| L'Il con Brothe | | |

Library Books

Reference Books 211.

Periodicals

Journals

Details of Non-Teaching staff.

2. S

hri G.A. Kavlekar Part-time.

Details of Teaching staff.

| Management | 1 |
|--------------------|---|
| Commerce | 3 |
| Economics | 1 |
| Accountancy | 1 |
| Maths & Statistics | 1 |
| Engineering | 1 |

Statistical details regarding Teaching Courses and

students:

| Branch of D Study | Degree to be awarded | Duration o Diploma | f | No. of stude | dents n 1989-90 (Sex-wise) | | | |
|----------------------|----------------------|-----------------------|----------|--------------|-------------------------------|--|--|--|
| 1. | Management | D.B.M. | One Year | Boys - 7 | Girls - 14 | | | |
| 2. | Management | D.A.M. | One year | Nii | Nil | | | |
| Percentage results. | | | | | | | | |

Final Results - May June 1989

| | R | tegistered | Appeared | Passed | Percentage |
|--------------------|---------------|---------------|---------------------|--------|------------|
| | D.B.M. Sem.I | 6 | 4 | 1 | 25% |
| S | iem.II | 11 | 8 | 4 | 50% |
| | D.A.M. | Nil | Nil | Nil | Nil |
| | Final Results | - January 90 | | | |
| | D.B.M. Sem.I | 24 | 14 | 1 | 7% |
| ı | | 5 | 5 | 2 | 40% |
| | D.A.M. Sem.II | 1 | 1 | 1 | 100% |
| Final Results - Ma | | - May-June 90 | | | |
| | D.B.M. Sem.I | 9 | 9 | 3 | 33% |
| | Sem.II | | Result Not Yet Out. | | |

C-4 NATIONAL INSTITUTE OF OCEANOGRAPHY, DONA PAULA.

GENERAL

The year 1989-90 has been another year of successful completion of most of the programmes planned. The seventh plan has come to an end in the year 1989-90. During the course of the Seventh period, CSIR has resolved that CSIR laboratories should make efforts to earn more from outside agenc to meet the R & D expenditure. The extent of external finding has also been considered as a measurithe credibility of the laboratory. In this respect, it is worthwhile to mention that NIO has earned an amoof Rs. 22.92 crores against the CSIR grant of Rs. 24.636 crores during the seventh plan.

During the period under report, the oceanographic studies in the Exclusive Economic Zone (EEZ) In the thrust area in the R&D programmes. Hence, most of the ship time was utilised for the work in the E. This year, efforts were mainly concentrated to cover the EEZ along the east coast of India. Apart from thrust area programme, the Institute has continued with the two National programmes, one on the Sur for Polymetallic Nodules (PMM) and other on Antarctic Oceanography.

Under the PMN Project, surveys were carried out in the Central Indian Ocean. The focus, during year was on high resolution exploration in the Pioneer Area to generate data on abundance, grade bathymetry which would form the basis for the first stage of relinquishing 20% of the pioneer area to International Seabed Authority. Four cruises on the board the chartered vessel NandRachit w undertaken for this purpose. Apart from this, collection of baseline data for the environmental studies initiated and a cruise on board Sagar Kanya was undertaken for this purpose. A significant addition to exploration capability was the installation of the hydrosweep equipment, a state-of-the-art muitibeam sv mapping system on Sagar Kenya. This equipment will ensure the collection of realtime bathmetry c from the Pioneer Area.

Participation in Antarctic research programme was continued. Two scientists from the Instil participated in 9th Indian Scientific Expedition to Antartica and one scientist worked at Antartica during winter.

Three bilateral programmes progressed satisfactorily. Under the Indo-FRG programme on "Quarter upwelling and climate in Arabian Sea" the particle flux studies were extended to the Bay of Bengal wh deepsea sediment trap moorings were deployed. This region is of particular importance because of large river-borne sediment discharge from the Ganges. In addition, both the monsoons play an impor role in the oceanic processes which contribute the particles. During the year, two cruises were underta for this study on board ORV <u>Sagar Kanya</u> and D.S. <u>Nand Rachit</u>, for the deployment and retrieval of moorings. An Indo-FRG Working Group meeting was held in Bremen in March 1990 to discuss progress and a future direction of the ongoing programme.

Under the Indo-USSR collaborative programme, NIO scientists participated in 4 cruises on board (Sagar Kanya and Soviet research vessels in the Indian Ocean as part of the Trans-Indian Ocean 1 travesses studies. The data collected were analysed and detailed upper cust structural maps have prepared. Under this programme 3 Soviet Scientists visited the Institute during the year, Under the prc on "Air-sea interaction in relation to monsoon dynamics", data collected during 1988 were analysed modelling studies were carried out.

The Indo-US project on "Bioactive substances from the Indian Ocean" also progressed satisfactor During the year, more emphasis was laid on the collection of marine organisms from the intertidal subtidal regions along the southeast and south west coasts, and Lakshadweep islands. Identification chemical ecology of the organisms collected have been carried out along with isolation characterisation of a few compounds. The Indo-US project on "Accelerated corrosion of metals and al in the marine environment" initially sanctioned for three years for 1986 to 1989 has been extended for more years. Under this project the effect of crude oil on the rate of corrosion of mild steel was evaluate

The Institute has undertaken a major programme to assist the Caribean countries known as Caribbean Oceanographic Exploration (CORE) Project at the initiative of the Commonwealth Soler Council in collaboration with Caribbean Commonwealth and Govt. of India. The objectives of programmes are to (1) enhance the capability of Caribbean countries in investigation, understanding keutilising their living and non-living resources; (2) to train Carribean Scientists in areas of oceanography (3) to carry out the Oceanographic resources survey in the Caribbean Sea. Under this project, Caribbean scientists were given training at NIO for a period of 3 months from October to December, 198'

During the period under report, the Institute has undertaken 14 new sponsored projects for vark agencies like MNGC, NPC, Calcutta Port Trust, etc. The total contract value of these projects is Rs. 5006 lakhs. The cash flow during the year from external sources was Rs. 823.617 lakhs against CSIR gran1 Rs. 523 lakhs.

The research vessels <u>Gaveshani</u> and <u>Sager Kanya</u> have successfully completed 8 and 3 crui: respectively in the Arabian Sea and Bay **of** Bengal during the year, Since R.V. Gaveshani v decommisioned in October, 1989, a vessel <u>Nand Rachit</u> was chartered for continuing with ongo programmes.

About 140 research papers were published luring the year. The Institute's regular publications I Mahasagar, Newsletter, collected reprints, etc. were brought out. The journal Mahasagar v discountinued as NIO's publication.

This year again, young scientists Dr. Rajiv Nigam and Dr. V. Purnachandra Rao received the CI Young Scientist award and the UNESCA/ROSTCA award respectively. Eight scientists of the Institute hi acquired Ph.D. awards.

The Research Council (RC) had two sittings during the year-Apart from evaluating the ongo programmes, the RC also finalised the 8th plan programmes during the meetings.

By the end of the year 1990 the Institute will be completing 25 years and therefore, year 1990 Is be observed as the Silver Jubilee Year.

-5 <u>Directorate of Archives</u> <u>Archaelogy & Museum</u>, Panaji-Goa.

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

1. Teaching and Research Staff in the Department:

Dr. PP. Shirodkar, Director, M.A., Ph.D.

2. Details of Research students:

M.A./M.Sc. by Research
NO. of students

Ph.D. by Research
No. of students

O. Of students

Name of the teacher (Research Guide) Dr. RP Shirodkar Full-time Part time

Full time Part tin

3

- 3. <u>Research Projects: Goa through the Ages Projects</u>, Vol.1, (Political History) sponsored by the G University. The Director Archives is its Editor,
 - 4. Visitors to the Department: 12 Indians and 11 foreigners.
- <u>5. Visits abroad:</u> Macau. The Director visited Macau as a Guest of Honour on the occasion of Modernisation Ceremony of Macau Archives.
- <u>6. Seminars:</u> (a) The Director of Archives participated in the Seminar on political thought in west India organised by the Department of Political science, Goa University and read a paper "Luis de Mene**!** Braganza The Great Goa Liberal". One of the sessions was chaired by him.
- (b) He participated in the Xith Annual Conference on place Names Society of India and presentel paper "Ethomology of place names of Goa."
 - (c) He read a paper on "Media and Society" under the auspices of the Goa Union of Journalists.
- (d) He presented a paper 'Jesuits record in Goa Archives" at the Seminar organised by Xavier Cer of Historical Research on "Historical perspective". One of the sessions was chaired by him.
- (e) He presented a paper on "Survey of the Ancient port of Gopakpattan of Silaharas and KadambN at N.I.O. Workshop.

Seminar on History of Goa and Symposium on India and Brazil.

The Director organised a seminar on "History of Goa" and Symposium on "India and Brazil" on 27t1 28th Feb., 1990 in collaboration with History Deptt. of Goa University. While the Seminar was inaugural by the Vice-Chancellor of Goa University, the symposium of India and Brazil had an internationally repul Brazillian Scholar Dr.(Mrs) Fernanda de Camargo e Almedida-Moro, in the chair. One of the sessions v chaired by the Director. The following staff members of the Directorate presented their research papers the occasion.

- 1. Dr. PP Shirodkar, Director Brazil's colonial Administration as reflected in Goa Archives"
- 2. Shri V.R. Mitragotri, Assistant Superintending Archaeologist "Cultural Contracts of Goa with **No** and South India".
 - 3. Shri M.L. Dicholkar, Archivist (Publication). "Sambhaji Angre and the Portuguese, (1733.1742)."

Any other Details

The Director of Archives discovered five-kilometre long port wall of the Ancient Gopakpattan. worked as Co-editor of Goa People of India Project of Anthropological survey of India and also contribut an article "Estimology of Place Names in Goa" in the said book.

He delivered a talk on "Archaeological Traditions of Goa" on All India Radio on 16th October 1990. I attended the National Committee of Archivists meeting and Regional Records Survey Committee Hyderabad in Aug. 1989.

CHAPTER IV

OTHER ACTIVITIES GOA UNIVERSITY LIBRARY

A. LIBRARY

The University Library came into existence with the establishment of the Goa

In fact, the start was made by annexing the library of the Centre of Post Graduate Instruction and Resea University of Bombay to the Goa University Library, whereby a collection of 37627 books and periodii formed the basis of the present Library.

This section of the University is actually the central point of educational and research as it caters to needs of various post-graduate students, research scholars and faculty members. To this effect, it is IN replenished with newer and latest additions, year after year. Today, the total collection has reached 55746 volumes of books, covering a number of disciplines under Humanities, Science and Social Scie covering wide range of subjects like Philosophy, Sociology, Politics, Economics, Education, Langua and Literature in English, Hindi Marathi, Konkani, French and Portuguese, Mathematics, Computer Scier Physics, Chemistry, Geology, Marine Science, Microbiology, Management studies, Arts, History Biographies.

The Library has a separate journal section which subscribes 428 journals. Some journals are received as gratis. Besides, the Library consists of thesis and several dissertations. More journals being procured so as to strengthen the research activities of the University. In addition, the special ne of historical research are catered through Late Shri P.S.S. Pissurlencar Collection Library which consist 4486 books, journals, documents, photostat copies and microfilms. The Goa University has the folly collections of books and journals which enrich the University's corpus.

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

k) A collection of 68 books and some periodicals mostly in Portuguesse, from Gulbenkian Founds through Embassy of Portugal in India.

The USIS Library, Alliance Francaise and British Council Library also donate books regularly to University Library. This includes more than 200 books specially on Latin American Studies in the collection which are in Spanish.

Working Days.

The Library is kept open for all the days except Sunday, throughtout the year. Besides the not working hours of the Library, the reading rooms are kept open for extended hours so as to facilitate its by the readers. During the examination days, the Library is kept open even on Sundays and Pu 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 Γ on 1st, 3rd and 5th Saturday of the month.

Readers and use of Library:

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

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

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

Other Materials:

Several maps are also collected by the Goa University Library.

Bibliography and Documentation Service:

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

University Binder:

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

Classification and Cataloguing:

Books are classified according to Dewey Decimal Classification and subject and author (ml catalogues are maintained. There are separate catalogues for the collection. Moreover the lib! Collection (Books & Journals) is on Computer now Serious readers/research students can a themselves of facility of having a print-out of the holdings of the Library: authorwise, subjectwise etc.

Goa University has brought out the following publications under the Goa University Publication Seri(

1. Bibliography of Dr. Pissurlencar Collection edited by B.S. Shastry and V.R. Navelkar.

Part I - A descriptive bibliography of the writings of Dr. Pissurlencar

Part II - List of Historical writings in Dr. Pissurlencar collection

Part III- Letter from Dr. Pissurlencar collection

2. "Goa through the Ages" - Vol. 2 edited by Teotonio R. de Souza

Ed. by B. Sheik Ali: These are additions to the existing "Goa wins freedom" and "Goan Society throl the Ages" edited by B.S. Shastry.

B. KONKANI ENCYCLOPAEDIA

The University has undertaken a project preparation of Konkani Encylopaedia to cater to the need the Scholars as well as of the common man knowing Konkani. Encyclopaedia information will classified into various subjects. The Encylopaedia will contain entries relating to general knowledge emphasis will be laid on information regarding the Konkani speaking region, its people, history, geograr art and culture, customs and manners, etc.

The Encyclopaedia will consist of about 3000 pages in three volumes of around 1000 pages each. source material will be based on information available in English, French, Portuguese, Hindi, Mari Kannada, etc. and from specialised works. Original articles on local topics that have not been already d with in other works, will be written by scholars conversant with subject. Illustrations will be given, when necessary.

The first volume, containing 1000 entries has already in press and the same is expected to be ready

This project will be first of its kind in Konkani and will go a long way in providing valuable informatio Konkani readers. Staff:

- Dr. M.L. Sardessai, M.A. D.Lit Chief Editor.
- 2. Dr. T.D. Halamekar, M.A. Ph.D. Executve **Editor**
- Shri Mukesh P Thali, Research Assistant
- 4. Shri Shailendra N. Mehta, Research Assistant
- 5. Shri Pandarinath Sursure (upto 1st June, 1990) Editorial Assistant

- Kum. kanchan Sheldenkar, Editorial Assistant
- 7. Kum Kalpana Kurtarkar (from 23rd July, 1990) Editorial Assistant.

Administrative Staff:

- 1. Kum Pratima N. Naik
- 2. Shri Ladu Sawant. Participation in Seminars,

Conferences, Workshops, etc

Dr. T. D. Halarnekar

Seminars

- 1) Presented paper on "Management of voluntary organisations" in the seminar organised by Konk Kendra at Kudchodem. in May, 1990.
- 2) Presented a paper on "Medium of instruction at primary level" in the seminar organised by Konk Kepemkar at Kepem in September, 1990.
- 3) Active participation in the seminar on "Konkani Lexicon" organised by Konkani Project, April, 19 in Panaji.

Publications

Published articles in Mazagines and Newspapers

Other details

- 1) Appointed as convenor of (Second Time) Konkani Teachers Training course, organised by Konli Bhasha Mandal in February, 1990.
- 2) Member of the organising committee for All India Konkani Writers Sammelon held at Pednen March, 1990.
- 3) Members of the syllabus committee constituted by Govt. of Goa to des:gn official language trair course for government servants.
 - 4) Member, N.S.S., Advisory Committee, Goa University.
 - 5) Member, Publications Committee, Goa University.
 - 6. Delivered talks on A.I.R. Panaji periodically.

Participation in Seminars, Conferences, Workshops, etc.

Dr, M.L. Sardessai

Seminars

- 1) Presided over Seminar on "Konkani Poetry" organised by Goa Konkani Akademi at Dhavale, Pond in March 1990.
- 2) Presented a paper on Konkani Grammar at a Seminar on "Comparative Linguistics" at Allianc Française of Panjim, organised by Alliance Française and French Embassy in March 1990.
- 3) Participated in a Seminar on "Medium of Instruction in Primary schools" organised **by** till Directorate of Education, in May, 1990.

Publications

Research Article on "Krishnadas shyama: The Maharshi of Konkani Literature" in Goa Post on 30tl March 1990.

Other Details

- 1) Presided over Kavi Sammelan organised by Goa University, in January, 1990.
- 2) Presided over Seminar on "Konkani Stage" organised by Goa Konkani Akademi at Velinga, ii February, 1990.
- 3) Delivered lectures on "History of Konkani Literature" at S.P. Chowgule College, Margao in Januar 1990.
 - 4) Lecture on Konkani Language to Konkani Teachers, Margao in May, 1990.
- 5) Lecture on "History of Konkani Language and Literature" to Konkani Teachers attending Konkan Shikshak Sanad courses organised by Konkani Bhasha Mandal, on 13 May, 1990.
 - 6) Recitation of poems on TV. Panaji, in June, 1990.
- 7) Inaugurated and conducted Teacher's Training Course organized by Goa Konkani Akademi, in Jun(1990.
 - 8) Presided over the Fifth Anniversary of Bharatiya Yuva Manch Panjim, in May,

1990. c 1. Director of students' Welfare & Cultural Affairs

- Dr. F.A. Fernandes, Lecturer, Department of English was appointed as the Director of Students WeKarl for the year 1989-90 upto 15th September, 1989.
- Dr. B.S. Shastry, Head, Department of History was appointed as the Director of Students' Welfare fo the year 1989-90 from 16th September, 1989. Mrs. Shantishree Pandit was appointed as the Culture Assistant for the year 1989-90. The various activities undertaken during the year 1989-90 are as follows

The Students' Council of Goa University was constituted as provided for under University Statute S.4' and the following were elected as the office bearers for the year 1989-90. are as follows.

Narendra Keshav Sawaikar
 Chitra Kashinath Shirwaikar
 Deepak Shankar Amonkar
 Sandesh Shankar Kanekar
 Chairman
 Gen Secretary
 Executive Member
 Executive Member

5. Raju Krishna Naik Executive Member 6. Shankar V. Naik Executive Member 7. Lalita Pandharinath Bharne Executive Member

Our University team participated in the West Zone Inter-University Youth Festival held at Rajasthai Agricultural University, Udaipur from 11th to 15th October, 1989. The students rendered an outstandin(performance in classical vocal (solo), classical instrumental (Sitar), Western Vocal(Solo), and group sonc (Western), the University team secured 2nd position in the Music event among 23 Universities whicl participated in the Festival.

Our University participated in the West Zone Inter University Debate Contest on AIDS held at th(University of JOdhpur, Rajasthan, Cadet Arjun Nair won the first prize. He was nominated to represent IndiE at Inter-national elocutions competition held in Malaysia.

Miss Delia Fernandes a student of this University, participated in the Youth Programme of thE Leadership for World Youth held in Japan from January to March, 1990.

Two students, Anita Jacob and Anand Lobo of the University Participated at the National ConferencE on Nehru held at Dnyanalok at Mysore from 15 to 18 August, 1989.

Two students, Uday Thapar and Savio Jude A. Menezes participated in the Inter-University Declamation Contests held in Gandhinagar (Gujarat) on 11th October 1989.

Shri Menezes stood third and was selected for the final contest held at New Delhi

A team of students of this University participated in "Incident 90", in February, 1990 held at Mangalore, organised by the karnataka Regional Engineering College, Mangalore.

The election of PGSU were conducted as provided for under Ordinance 0.3 of the Goa University, and the following were elected.

1. Shri Sunil Shridhar Prabhudessai Chairman

2. Shri Sunil Hari Prabhu Gen. Secretary

3. Fran Gerald S. Varella Sports/Cultural Sec.

4. Maria Ethel D'Costa Lady Representative

PGSU organised by Centennial celebration of the French Revolution under the auspices of the dept. of French, Pol. Science and History.

PGSU participated in "Happenings" at Engineering College, Farmagudi from 12 to 14 February 1990 PGSU participated in 'Creation 89' organised by Dhempe College, Miramar in December 1989. PGS1.1 participated in Inter-Collegiate sports tournaments. PGSU organised essay, Posters and Poetry Competitions in December 1989. PGSU organised the Annual Soda! Gathering 'Guni fest' in March 1990.

2. Director of Sports

Introduction:

| University level sports have attended new heights within a short span of three years Kum. Susane dE Souza is the Director of Spurts and is assisted by the following staff: | |
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| | |

1. Shri Avertano Barrett° Assistant Sport Officer

2. Shri Dattaram Betkar L.D.C. - Cum storekeeper

3. Kum. Filomena Costa L.D.C.

4. Shri Sadanand Chopdekar Peon

The budget provision for the year 1989 - 90, was Rs. 3.50 lakes within which department of six implemented some of existing schemes.

A resume of activities implemented during the year 1989-90 is as follows:-

I. ADVANCE SUMMER COACHING CAMP:

The sports activities of the Directorate of Sports for the year 1989-90, commenced with organisation of the II Goa University Advance summer Coaching Camp which was held from 1st to 2 May, 1989. The camps were of two types, viz, residential camps and half-day camps.

The following camps were proposed:

| RESIDENTIAL CAMPS | HALF-DAY CAMPS |
|---------------------------|---------------------|
| 1. Footbal (Men) | 1. Kabaddi (Women) |
| 2. Athletics(Men & Women) | 2. Football (Women) |
| 3. Cricket (Men) | 4. Volleyball (Men) |

The camps were conducted as follows:

A) RESIDENTIAL CAMPS:

| Sr.No. | Discipline | No. of Boys | No. of Girls | No. of coaches |
|--------|----------------------|-------------|--------------|----------------|
| | Footbal(M) | 25 | | 1 |
| 2. | Athletics(M&W) | 8 | 7 | 1 |
| | Total | 33 | 7 | 2 |
| | Total No. of Boys | | 33 | |
| | Total No. of Girls | | 7 | |
| | Total No. of Coaches | | 2 | |
| | Total No. of Wardens | | 2 | |
| | | Grand total | 44 | |

B) HALF - DAY CAMP

| 1. Volleyball (Men) 16 | | | 1 |
|------------------------|----|----|---|
| Total | 16 | | 1 |
| Total No. of Boys - | | 16 | |
| Total No. of Coaches | | 1 | |
| Total | | 17 | |

The Residential Camps were held at Sanguem at the Sports Complex of the Directorate of Sports a Youth Affairs and the residential accomodation was done at Miracle's High School Sanguem Goa. T camp was held in two sessions the morning and the evening Shri M. M. Muttawali, State Football Coa from the Directorate of Sports and Youth Affairs and Shri Joy Joseph, Athletics coach appointed in t University by the Sports Authority of India, conducted the coaching programme.

Video films on latest techniques and skills and Inter-national performances, were displayed to t trainees.

Medical check-ups were conducted regularly. Special lectures were delivered to the trainees, frc 11.00 am to 12.00 noon, by experts in various allied subjects, such as in Sports medicine, Sports Trainir Sports psychology, etc.

The half-day volleyball camps for men was conducted simultaneously at the Campal Sports Oomph Panaji, by Shri Ladislau Gonsalves, NIS Volleyball Coach.

The Closing Ceremony of both, the Residential and Half Day Camps, was held on 21st May, 1989, 4.00 pm at the Hands of Dr. B. Sheik Ali, Vice-Chancellor, Goa University.

Special mentoes and certificates were presented to the trainees and to the participating teams, at t hands of the chief-Guest.

A total expenditure of Rs. 54,542.92 (Rupees Fifty Four thousand Five Hundred and forty Two and pal Ninety Two only) was incurred towards the conduct of the above camps, out of which an amount of F 36,784,00 (Rupees Thirty Six thousand seven Hundred Eighty Four only) was sanctioned by t Association of Indian Universitites. New Delhi.

II. ORGANISATION OF INTER COLLEGIATE TOURNAMENTS

The organisation of the first ever University Cross Country Championship and the Swimmi Competitions for men and Women, were the highlights of the 1989-90 Inter Collegiate Tournaments.

Following Competions were organised during the year: 1. CROSS COUNTRY CHAMPIONSHIPS T Cross Country Championships which were flagged of at 6.00 am on the 18th August , 1989, at the Ni University premises Taleigao Plateau, 62 men and 16 Women from 13 affiliated Institutions, participat despite rains, to cover the 20 kms in the men's section and 7 kms in the women's section through hills a vales, across Bambolim, Kakra, Siridao, Curca, 2 STC to finish at Medical College, Bambolim.

Arrangement were made for providing accomodation to participants and officials.

The various Government departments, such as, the Directorate of Sports and Youth Affairs, the Spc Authority of Goa, the Directorate of health Services, the information Department and a large number

sports lovers rendered valuable cooperation during the championship. Special Trophies, Medals certificates were presented to the winners at a short ceremony.

2. OTHER INTER COLLEGIATE TOURNAMENTS: Following other competitions

were conducted from August, 1989 to February, 1990.

1. Footbal(Men) 2. Footbal(Women) 3. Badminton (Men)

4. Badminton(Women) 5. Table-Tennis(Men) 6. Table-Tennis(Women)

7. Volleyball(Men) 8. Volleyball(women) 9. Basketball (Men

10. Basketball(Women 11. Kabaddi (Men) 12. Kabaddi (Women)

13. Best Physique Power lifting & Weight-Lifting. 14. Hockey(Men)

15. Hockey (Women) 16. Kho-Kho (Men). 17. Kho-kho (Women)

18. Cricket (Men) 19. Cricket (Women) 20. Chess (Men & Women)

21. Judo (Men) 22. Tennikoit (Women) 23. Tennikoit (Women)

24. Swimming (Men & Women) 25. Atletics (Men & Women).

The closing ceremonies of each and every event were organised wherein trophies, medals certificates were presented to the winners by eminent personalities

3. IV GOA UNIVERSITY ATLETICS CHAMPIONSHIP

In the IV University Athletics Championship 280 athletes participated from 28 affiliated Institutions.

4. SWIMMING CHAMPIONSHIP

The first Inter-Collegiate Swimming Competitions for Men and Women, was organised on February, 1990, at Campal swimming pool. It was the last event of the year.

A total expenditure of Rs. 89,856.31 (Rupees Eighty Nine thousand Eight Hundred and Fifty Six p Thirty one only) was incurred towards the conduct of all the above stated Inter Collegiate Competitions.

III PARTICIPATION IN INTER-UNITERSITY COMPETITIONS

participation at the Inter-University Competitions had to be restricted during the year 1989-90.

Following teams were deputed for the Inter University Tournaments:-

1. Football (Men) 2. Volleyball (Men) 3. Cricket (Men) 4. Basketball (Men)

A complete sports kit was provided to the members of the teams selected for the Inter-Unive competions.

The performance of the teams at the Inter-University Competitions were indeed creditable.

1. FOOTBALL (MEN):

In Football, being last years' Winners, our team was seeded to play directly at the Inter-University le alongwith the winner and runnerup teams of the four zones viz North, South, East and West Zones, league-cum-knockout basis.

The team defeated Mahatma Gandhi University by 4-0 Garhwal University 5-0 drew 0-0 Marathawada University.

Calcutta headed the pool with 7 points whereas Goa University secured the second position witl points. The over all performance of our Team was extremely good.

2. CRICKET (MEN):

The Cricket Team qualified for the first time, to the quarter final round, of the West Zone Inter-Univen Cricket Tournament held at Surat, Gujarat.

The University cricketeers displayed good talent and they defeated top teams such as Zha University by 154 runs, M.S. Baroda University by 27 runs and Poona University by 4 wickets.

In the quarterfinals they lost to Rajasthan University by 6 wickets.

Two of our outstanding players viz shri Shailendra Mayenkar from DM VNS Bandekar College who v captain of the University team and Shri Marian Anthony of G.V.M. College Ponda were selected to play the combined University West Zone Cricket Team, which won the All India Inter zonal Inter Univer Cricket Tournament for the vizzy Trophy held at Jammu. The Volleyball team defeated Saunasl University. The basketballers deafeated Amravati by 53-34.

IV SPORTS MATERIALS:

Consumable and non-consumable sports equipment of good quality, as per the technical requirem of the concerned games, was purchased worth Rs. 24, 918.00 (Rupees Twenty Four Thousand N Hundred and Eighteen Only).

V. <u>INSTITUTION OF TROPHIES:</u>

This year following Trophies and shields, inclusive of gold, silver and bronze medals and certifical were presented to the winners of the various Inter Collegiate Tournaments.

It was also decided to present special silver Rolling Shields worth Rs. 10,000/- each (Rupees Thousand only) to the winners of various Team and Individual at the Inter Collegiate competitil organised by the University. Accordingly, an All Goa competition was held for selecting a suitable des for the proposed shield, wherein a cash prize of Rs. 500/- was presented to the winner Shri Domnic Cor lecturer, Goa College of Fine Arts, whose design for the shield was approved by the Goa Univer Authorities.

In response to an appeal from the University authorities, eminent sports promoters volunteered donate an amount of 1:16. 10,000/- each, towards the preparation of these prestigious shields as under:-

1. FOOTBAL (MEN)

:- Rs. 10,000/- donated by Mr. Shivana Salgaonkar in honour of his late lathe' Mr. V.M. Salgaonkar.

| 2. TABLE TENNIS | :- Rs. 20,000/- donated for two shields (Men & Women) by TB. Cunha Trust i honour of late Shri T.B. Cunha. |
|-------------------|--|
| 3. VOLLEYBALL | :- Rs. 10,000/- donated by Goa Sports (Men) Club, Assolna. |
| 4. FOOTBALL (Men) | :- Rs. 10,000/- donated by the Kuwait Goans Sports Club, Kuwait. |

Shri Selwyn Bothelo, St. cruz has confirmed a donation of Rs. 10,000/- ir

honour of his late father.

Further, as per the recommendation of the Sports Council of the Goa University, it has **been** decided present a small replica of the Shield to any Institution that wins the Inter Collegiate Tournament in respective sports discipline, for five consecutive years.

V. ALLOCATION OF GRACE MARKS TO UNIVERSITY SPORTSMEN

5. Athletics (Men)

The scheme for allocation of grace marks to sportsmen at the University examinations on par with 1 NSS and NCC schemes was implemented.

ANNEXURE - I

EXPENDITURE OF GOA UNIVERSITY

(Rs in Lakhs)

| Budget Estimates (1989-90) | Revised Estimates (1989-90) | Actuals (1989-90) | Budget Estimates (1990-91) |
|-----------------------------------|----------------------------------|----------------------------------|------------------------------------|
| Recurring Non- Total Recurring | Recurring Non- Total • Recurring | Recuring Non- Total Recurring | Recurring 'Non- Total Recurring |
| PLAN: | | | |
| 145.24 515.44 660.68 | 124.23 389.97 514.20 | 113.37 457.33 570.70 | 45.00 390.00 435.00 |
| | | | |

37.33 5.50 42.83 30.93 -3.43 34.36 26.30 5.68 31.98 195.56 23.00 ^{218.56}

LIST OF THE MEMBERS OF THE EXECUTIVE COUNCIL

1. Vice-Chancellor

Chairman (Ex-officio)

2. Dr. PN. Srivastava

Member, Planning Commission Yojana Bhawan, New Delhi Member

2. Justice Dr. G.F. Couto

Judge, High Court of Judicature of Bombay, Goa Bench Panaji-Goa.

Member

Shri Shivanand V. Salgaoncar SALGAOCAR HOUSE,

Vasco-da-Gama.

Member

4. Dr. G.J.S. Abraham, Dean, Goa Medical College,

Panaji-Goa.

Member

6. Shri A.J.S. Sahney

Secretary to Governor of Goa, Raj Bhawan, Dona Paula, Goa. Member

7. Dr. Adi H. Doctor

Dean, Faculty of Arts, Humanities & Social Sciences, Goa University, Bambolim. Member

8. Shri S.A. Jawaid

Dean, Faculty of Engineering & Architecture, College of Architecture `Savitri Niwas' Miramar, Goa.

Member

9. Shri M.S. Kamat

Principal, M.E.S. College of Arts & Commerce, Zuarinagar.

Member

10. Dr. A.K. Pandey Professor of Hindi.

Goa University, Bambolim

Member

11. Secretary

(Finance), Member Govt. of Goa, (Ex-officio)

Secretariat, Panaji-Goa.

12. Secretary

(Education) Member Govt. of Goa, (Ex-officio)

Secretariat, Panaji-Goa.

13. Re gistrar, Member-Secretary

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ANNEXURE III

LIST OF THE MEMBERS OF THE ACADEMIC COUNCIL

1. The Vice-Chancellor Chaiman Goa University (Ex-officio)

2. De an, Faculty of Pure Member Sciences (Ex-officio)

3. Dean, Faculty of Applied Member sciences (Ex-officio)

4. Dean, Faculty of Member Medicine (Ex-officio)

5. Dean, Member Faculty of Arts, Humanities & (Ex-officio) Social Sciences.

6. Dean, Member Faculty of Engineering & (Ex-officio) Architecture.

7. Dean, Member Faculty of Law (Ex-officio)

8. Dean, Member Faculty of Fine and (Ex-officio

Performing Art.

9. Dean, Member Faculty of Education (Ex-officio

10. Dean, Member Faculty of Commerce & (Ex-officio)

Faculty of Commerce & (Ex-off Business Administration

11. D r. C. Mande Member

Professor & Head, Department of Physics Goa University, Bambolim.

12. Dr. M.A. Shahi Member

Prof. & Head, Dept. of Economics, Goa University, Bambolim.

Member

13. Dr. B.V. Nemade, Prof. & Head, Dept. of English, Goa University, Bambolim.

Member 14. Dr. P.B. Wader.

Prof. & Head, Dept. of Marathi, Goa University, Bambolim.

Member 15. Dr. B.S. Shastry. Prof. & Head. Dept, of History Goa University, Bambolim, 13 ke.n4⁴2— Member 16. Shri D.S. Mende Principal, **Dempo Charities Trusts** Dempo College of Commerce & Economics, Altinho. Panaji, Goa. 17. Shri G.V. Nadkarni Member Principal, **Dempo Charities Trust's** Dhempe College of Arts & Science, Miramar, Panaii. Member 18. Shri D.V. Borkar Principal. Shree Damodar College of Commerce & Economics, Margao. Member 19. Dr. A. K. Heblekar Principal, PE.S. College of Arts & Science, Farmagudi, Ponda. Member 20. Shri G. G. Mayekar Principal, V.N.S. Bandekar's College of Commerce, Mapusa. Member 21. Dr. V. N. Kamat Dalai Reader in the Department of Chemistry, Goa University. Member 22. Dr. A.V. Afonso Reader in the Department of Philosophy, Goa University. 23. Shri V.V. Kamat Member Lecturer in the Department of Computer science & Technology, Goa University. Member 24. Major R. De Silva, Lecturer in the Department of Business Administration, Goa University. Member 25. Dr. B. **R.** Mishra, Lecturer in the Department of Hindi, Goa University. 26. Dr. K. P Kamat Member Professor,

Goa Dental College & Hospital, Bambolim.

27. Dr. N.G. Dubashi Asstt. Professor Goa Medical College, Panaji.

Member

28. Shri G.K. Pacholi Professor, College of Engineering, Goa, Farmagudi. Member

29. Shri PK. Onkar Lecturer,

Smt. P Chowgule College of Arts & Science, Margao.

Member

30. Shri K. M. Sadre, Lecturer, St. Xavier's College of Arts & Science, Mapusa. Member

31. The Director National Institute of Oceanography Dona, Paula, Goa Member

32. Dr. J.D. Sethi, Ex-Member, Planning Commission, 59/18 East Patel Nagar, New Delhi - 110 008. Member

33. Dr. RN. Chopra,Historian,C/2, Kaveri Apartments,Alkananda, New Delhi - 110 019.

Member

34. Dr. S.S. Johl, Professor of Eminence, Punjab Agricultural University, Ludhiana, India. Member

35. The Librarian Goa University Member (Ex-officio)

36. The Registrar Goa University.

Member-Secretary (Ex-Officio)

ANNEXURE IV

LIST OF THE MEMBERS OF THE COURT

1) Vice-Chancellor Chairman Goa University (Ex-officio) 2) Dr. S.G. Deo Member Dean, Faculty of Pure Sciences, Goa University. 3) Shri M.G. Joshi Member Dean, Faculty of Fine Art, Goa College of Art, Panaji-Goa. 4) Dr. (Miss) J. Fonseca Member Dean, Faculty of Education, Nirmala Institute of Education, Altinho, Panaii.Goa. 5) Shri M.N. Samant Member Dean, Faculty of Law, M.S. College of Law, Miramar, Panaji, Goa. 6) Dr. S.M. Bijli Member Dean, Faculty of Commerce & Member Business Administration, Goa University. 7) Dr. T.S.S. Rao Member Professor of Biotechnology, Department of Marine Science. Goa University, Bambolim. 8) Dr. R.A. Sinari Member Professor of Philosophy Department of Philosophy Goa University, Bambolim. 9) Dr. O.J.F. Gomes Member Professor of Konkani. Department of Konkani, Goa University, Bambolim. 10)Dr(Miss) S. Mavinkurve Member Professor of Microbiology, Goa University, Bambolim. Dr. A.K. Pandey 11) Member Professor of Hindi, Department of Hindi, Goa University, Bambolim.

12) Shri G.V. Nadkarni

Principal,

Member

Dempo Charities Trusts' Dhempe College of Arts & Science, Miramar, Panaji-Goa.

 Shri Joseph Emanuel Principal, Goa College of Pharmacy Panaji-Goa. Member

14) Shri V.R. Shirgurkar Principal, Smt. Parvatibai Chowgule Cultural Foundation's College of Arts & Science, Margao-Goa. Member

15) Shri A.G. Jumde, Principal, Goa Vidya Prasarak Mandal's College of Commerce & Economics, Ponda-Goa. Member

16) Fr. N. Pereira Principal, St. Xavier's College of Arts & Science, Mapusa-Goa. Member

17) Dr. M.J. Audi Reader, Department of Political Science, Goa University, Bambolim, Goa. Member

18) Dr J.S. Budkule Lecturer, Department of Chemistry, Goa University. Bambolim, Goa. Member

19) Shri S.R. Phal Reader, Department of Sociology, Goa University, Bambolim,Goa. Member

20) Shri G.K. Kelkar Lecturer, Dhempe College of Arts & Science, Miramar, Panaji-Goa. Member

21) Dr. R.A.S. Dhume Lecturer, Dhempe College of Arts & Science, Miramar, Panaji-Goa. Member

22) Dr. M.S. Usgaonkar Type IV, Block-B, Quarter No. 5, Goa Medical College Complex, Bambolim, P.O. Santa-Cruz, Goa. Member

23) Shri S.K. Naik Lecturer, Smt. Parvatibal Chowgule Cultural Foundation's College of Arts & Science, Margao-Goa. Member

24) Dr. Ulhas G. Nachinolkar Member Professor, Goa Medical College, Panaji-Goa. 25) Shri R.T. Virkar Member Lecturer. Shree Damodar College of Commerce & Economics, Mar6ao-Goa 26) Shri G.K. Pacholi Member Professor. College of Engineering, Goa, Farmagudi, Ponda-Goa. Member 27) Shri Varkey Jacob Lecturer. V.N.S. Bandekar College of Commerce, Khorlim, Mapusa, Goa Member 28) The President, Vidhya Vikas Mandal C/o DCI, Pharmaceutical Pvt. Ltd., PO. No. 42, Margao-Goa. Member 29) The President, Nirmala Education Society, Nirmala Institute of Education. Altinho, Panaji, Goa. Member 30) The Chairman, University Students' Council Goa University, Bambolim, Goa. Member 31) Shri Rashpal Malhotra Centre for Research in Rural & Industrial Development. 2A, Sector-19A, Madhya Marg, Chandigarh - 160 019 (India). Member 32) Dr. Bhagat Singh, Ex-Vice Chancellor Punjabi University, 134,A, Punjabibag, Patiala (Punjab). Member 33) Shri Hari Jaisingh Editor. Indian Express Newspapers, (Bombay) Pvt. Ltd., Express Towers, Nariman Point, Bombay. Member 34) Smt. Kishori Amonkar Vibhav Apartments, Prabhadevi, Bombay - 25.

35) Shri A.K. Wasnik Chief Officer, Margao Municipal Council, Margao-Goa.

Member

35-A) Shri Chandrakant Velip Labour Commissioner's Officer Junta House, Panaji -Goa.

Member

36) Smt. T. Almeida Headmistress, Manovikas High School, Margao-Goa. Member

37) Smt. Anju Auduth Timblo C/o Hotel Cidade de Goa, Dona Paula, Panaji-Goa. Member

Member

naji-Goa.

38) Shri G.D. Dangi Deputy Registrar, Goa

39) gistrar Secretary Goa Univtrsity, Bambolim,Goa. Re Member (Ex-Officio)

ANNEXUAE V

Member

LIST OF THE MEMBERS OF PLANNING BOARD

1. Vice-Chancellor

Goa University Chairman (Ex-officio)

2. Prof. M.S. Agwani Vice-Chancellor,

Jawaharlal Nehru University New Mehrauli Road, New Delhi

3. Dr. S.G.Deo Member

Dean, Faculty of

Pure Sciences, Goa University.

4) Dr. V.K. Pai Panandikar Member

Director, Centre for Policy Research,

Dharma Marg, Chanakya Puri, New Delhi - 110 021

5} Prof. R.P. Bambah, Membei

Vice-Chancellor, Punjab University, Chandigarh - 160 014.

6) Registrar Member-Secretary

Goa University (Ex-Officio)

ANNEXURE VI

LIST OF MEMBERS OF FINANCE COMMITTEE

1. Vice - Chancellor Chairman
Goa University (Ex-officio)

2. Registrar Member
Goa University. (Ex-officio)

3. Secretary (Education), Member Govt. of Goa, (Ex-officio) Secretariat, Panaji-Goa.

4. Secretary (Finance) Member
Govt. of Goa, (Ex-officio)
Secretary, Panaji, Goa.

5. Dr. G.J.S. Abraham, Member (Member of E.C.)

6. Dean of Faculty of Member
Commerce and (Ex-officio)
Business Administration,

7. Shri A.J.S. Sahney, Member Secretary to Governor &

Visitor Goa University, Dona Paula, Goa.

Goa University.

8. Finance officer Member Secretary Goa University (Ex-officio)

ANNEXURE VII

LIST OF OFFICERS OF THE GOA UNIVERSITY

His Excellency, Dr. Gopal Singh, 1) Visitor Governor of Goa. Dr. B. Sheik Ali. 2) Vice Chancellor M.A.(Alig), Ph.D. (Alig.& London) 3) Registrar Dr. S.K. Gandhe B.Com, M.A., M.Sc. Ph.D. 4) Finance Officer Shri C.H. Noronha M.A., B.Com. Shri V.G. Jagdale 5) Controller of Examination M.A. Shri G.D. Dangi 6) Deputy Registrar B.A., B.Com. Shri V.R. Navelkar 7) Assistant Librarian M.A., M.Lib.Sc. 8) Systems Analyst Shri D.P. Nayak Dr. T.D. Halarnkar 9) Executive Editor M.A., Ph.D. 10) Assistant Registrar(Law) Shri U.V.K. Shankhwalkar B.A., LL.B. 11) Assistant Registrar Shri C.J. R. Diniz B.A. Shri A.G. Khanolkar 12) Assistant Registrar Shri V.J. Kamat. B.Com. 13) Assistant Registrar Shri M.A. Vaidya B.A. 14) Assistant Registrar 15) Assistant Registrar Shri G.J.S.Talaulikar B.Com. **Deans of Faculties** 1. DrS.G.Deo Pure Science 2. Dr.G.J.S.Abraham Medicine 3. Shri M.N.Samant Law 4. Dr.A.H.Doctor Arts. Humanities & Social Sciences. 5. Dr.M.G.Joshi. Fine Art 6) Prof.G.K.Pacholi Architecture and Engineering 7) Dr.T.S.S. Rao Applied Sciences 8) Dr(Miss)Jennifer. Forma Education

Commerce & Management studies

9) Dr.S.M.Bijli

ANNEXURE VIII

LIST OF AFFILIATED COLLEGES AND RECOGNISED INSTITUTIONS IN GOA.

I.College other than Professional.

- 1.1 Dhempe College of Arts & Science Miramar, Panaji Goa 403 601
- 1.2 Smt. Parvatibai Chowgule Cultural Foundations' College of Arts & Science, Margao-Goa 403 001
- 1.3 St. Xavier's College Mapusa, Goa 403 525
- 1.4 Srinivasa Sinai Dempo College of Commerce & Economics Altinho, Panaji-Goa 403 001.
- 1.5 Carmel College for women Nuvem, Salcette-Goa 403 601.
- 1.6 Murgaon Education Society's College of Arts & Commerce Zuarinagar, Goa.
- 1.7 Shree Damodar College of Commerce & Economics Margao-Goa 403 601.
- 1.6 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.
- 1.13 Govt. College of Arts Science & Commerce Sanquelim-Goa.
- 1.14 Goa College of Home Science Bambolim-Goa.
- 1.15 Govt. College of Arts & Commerce, Khandola, Marcela, Goa.
- 1.16 Govt. College of Arts & Commerce, Quepem, Salcete, Goa.

II. Professional Colleges.

- 2.1 Goa Medical College Panaji, Goa 403 001.
- 2.2 Goa College of Pharmacy Panaji, Goa 403 001.
- 2.3 College of Engineering, Goa Farmagudi, Goa 403 405.
- 2.4 Nirmala Institute of Education, Altinho, Panaji-Goa
- 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 -403001.

III RECOGNISED INSTITUTIONS

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