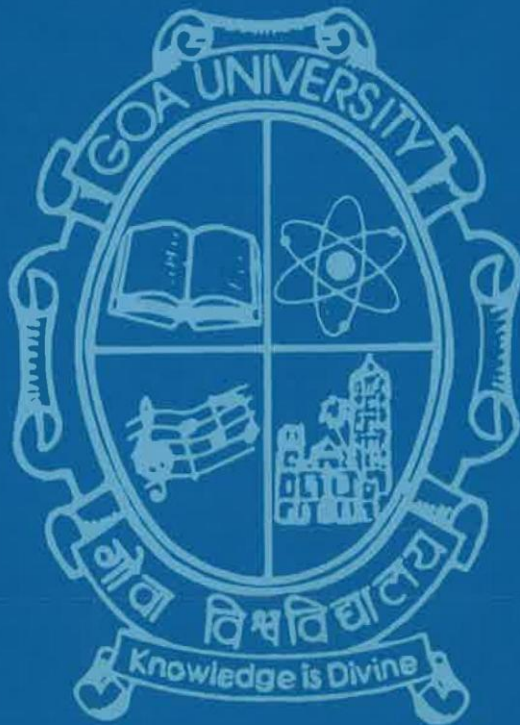


ANNUAL REPORT

1996-97



Department of Commerce  
GOA UNIVERSITY



**GOA UNIVERSITY**  
**1996 - 97**



## PREFACE

I have great pleasure in presenting the Twelfth Annual Report of Goa University for the academic year 1996-97. The report is presented in six parts. Part 1 deals with the "General Administration", Part 2 with Authorities of the University, Part 3 with Departments on the University Campus, Part 4 with Affiliated Colleges both professional and non-professional, Part 5 with Recognized Institutions and Part 6 provides the Financial Statement.

The Report has been compiled by the University on the basis of information provided by the various administrative sections, teaching departments, colleges and recognized institutions. It has been our experience that the process of collecting information from the various sources has been both difficult and time consuming. This has often lead to delay in finalisation of the Report. I hope that in future there will be prompt response from all concerned.

The academic year has seen considerable change in the academic climate, both on the campus and in the affiliated institutions. The stress and strain of implementation of restructured course at the undergraduate level have subsided due to close cooperation of all constituents of the University. There has been all round development and consolidation in teaching and research, both at the undergraduate and post-graduate levels. All out efforts have been made to provide infrastructural facilities to encourage research.

I place on record my deep sense of gratitude to the Visitor for the keen interest he has shown in the functioning of the University to such an extent that he visited the Campus on a number of occasions and interacted with the faculty. I am extremely grateful to the State Government for all the encouragement and continued support in the implementation of the objectives of the University. I also place on record my sincere thanks to members of Court, Academic Council, Executive Council and other bodies of the University. My grateful thanks are also due to all the members of teaching and non-teaching staff of the University for making 1996-97 yet another successful year.

Taleigao Plateau  
March 1998

Professor B. S. Sonde  
Vice-Chancellor

# C O N T E N T S

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## PART 1: GENERAL ADMINISTRATION

**1.1 General Information:** Goa University was established on 1 June, 1985 as a affiliating-cum-teaching University. It has completed eleven years of its existence. The University had inherited educational structure of University of Bombay to which all institutions of higher learning were affiliated since the days of Goa's liberation in 1961. Post-graduate education was imparted by the Centre of Post-Graduate Instruction and Research, which formed the nucleus of Goa University. At present Goa University has infrastructure to impart education in faculties of Languages, Social Sciences, Natural Sciences, Life Sciences, Commerce, Management, Medicine, Engineering and Fine Arts. The University offers graduate and post-graduate programmes in Arts, Science, Commerce, Management, Home Science, Education, Law, Engineering, Pharmacy, Medicine including Ayurveda. Fine Arts, Music and Architecture. There are in all 22 University Departments, 2 University Centres, 1 U.G.C. financed institution (Academic Staff College), 35 affiliated colleges (both professional and non-professional) and 8 recognized institutions conducting research. Since 1990 the University has been functioning from its own campus situated at Taleigao plateau.

**1.2 Engineering Projects:** The University Works Division handled major infrastructure projects during the year for smooth functioning of University. Apart from that the division also maintained the existing infrastructure efficiently. Standby generator commissioned to provide continuous power supply needed for research and teaching activities. The following works are in advance stage of completion:

1. Construction of 200 bedded Girls Hostel: The work order was issued to M/s Premier Builders on 31.12.1996 for an amount of Rs 1,93,31,831.00. Stipulated date of completion of work is 04.07.1998. Upto 31.12.1997 work done is Rs. 82,58,044.31. Physical progress of work is 60%. **The work** is expected to get completed in all **respect before** new academic year begins.
2. Construction of 15 Nos. A type quarters: The work order was issued to M/s M.S. Harmalkar on 31.12.1996 for an amount of Rs. 1,28,47,551.00. Stipulated date of completion of work is 03.07.1998. Upto 31.12.1997 work done is of Rs. 64,86,314.00. Physical progress of work is 80%. The work is **expected to get completed in all** respects by 30.04.1998.
3. Construction of 25 Nos. B type Quarters: The work order was issued to Mis P.P.C. Constructions on 31.12.1996 for Rs. 1,89,25,340.00. Stipulated date of completion on this work is 03.07.1998. Upto 31.12.1997 amount of work done is Rs. 72,43,846.00. Physical progress of work is 75%. The work is expected to be **completed in all respects** by 30.06.1998.
4. Construction of Faculty Building for MMS: The work was awarded in November, 1996. The building work is nearly completion stage and expected to be completed in all respects by 28.02.1998.

Besides these major works, the University Works Division has done Re-proofing of Vice-Chancellor's and Registrar's Bungalows and one wing of Guest House. The sanction is also obtained for **U.G.C. funded building** for centre for **Latin American Studies**. **The work has already commenced.**

**1.3 Computerisation of University Functions:** The Computer Centre was entrusted with the voluminous work relating to the F.Y. & S.Y. examinations of B.A., B.Sc. and [B.Com.](#) Pre-processing/Result processing work was successfully handled in addition to routine examination work.

The basic computer training was given to two more batches of the Administrative staff and officers. Besides, Shri Sanjay Bhandodkar, Programmer was sent to Japan for Client Server Application System Development training at the invitation Centre of the International Co-operation for Computerisation, Japan.

**1.4 Conduct of Examinations:** The University has conducted 33 under-graduate examinations in various faculties during the first and second half of 1996-97. 6902 students appeared for the examinations, and out of these, 4403 were declared successful.

The University has conducted 80 post-graduate examinations. 966 students appeared, and out of these, 583 students were declared successful.

The University awarded 13 Pli.D degrees and 20 M.Phil degrees in different subjects during the period June, 1996 to May, 1997.

**1.5 University Library:** The Goa University Library started functioning as University Library from 30<sup>th</sup> June, 1985. The Library of the Centre of Post-graduate Instruction and Research, University of Bombay, which was established in 1965 and having a collection of 37678 books and periodicals, was incorporated into Goa University and forms the base of the Goa University Library. The Library has a total of 80700 books in all disciplines. The University Library has a separate journal section and more than 480 journals are subscribed to, while some journals are received as *gratis*. The University Library also consists of theses and several dissertations. The Goa University rare collections have further enriched the University corpus by addition of collection from:

1. A collection of about 189 books and Journals from Mr. Rui D'Cruz.
2. A collection of books in Mathematics by Prof. B.V. Singbal.
3. A collection of about 179 books from Shri P.M. Arunan.
4. A collection of about 233 books, journals and magazines donated by Prof. B.S. Sonde.
5. A collection of about 168 books donated by Shri Erasmo De Sequeira
6. A collection of about 583 books donated by Dr. V.B. Prabhudessai

The library also includes 170 books specially of Latin American Studies ion the USIS collection The library also receive books from the World Health Organisation, Shastri Indo-Canadian Institute, New Delhi and USIS regularly. More over recently it has been declared a U.N. Depository Library.

Once the application of computers in the Library operation is completed, readers will have easy and quick access to documents in the Library. Presently, the Library's collection is already on computer and reference and bibliographic services are made available to the readers. The library has also acquired a PC under INFLIBNET programme. With the INTERNET facility on the campus, the library has also been identified under the INFLIBNET Programme.

**1.6 Students' Sports Activities:** The Sports Department of the Goa University has completed a decade in the organisation of Inter-collegiate tournament, Inter-University participation and organisation of summer coaching camp etc.

At the end of every tournament a special function was held in an auspicious manner and given trophies, medals and certificates to the winners/runners-up. The result of different competitions held during the year 1996-97 as follows:

- |  |                           |
|--|---------------------------|
| 1. Table Tennis (Men & Women)                          | 10.Cycling(Men)           |
| 2. Badminton (Men & Women)                             | 11.Football (Men & Women) |
| 3. Judo (Men)  | 12.Tennikoit (Women)      |
| 4. Chess (Men)   | 13.Kho-Kho (Men & Women)  |
| 5. Cross Country (Men & Women)                         | 14.Handball (Men & Women) |
| 6. Weight lifting, Power Lifting & Best Physique(Men ) | 15.Swimming (Men)         |
| 7. Kabaddi (Men & Women)                               | 16.Hockey (Men)           |
| 8. Basketball (Men & Women)                            | 17.Tennis (Men)           |
| 9. Volleyball (Men & Women)                            | 18.Cricket (Men & Women)  |

The University participated in the Inter-University competitions and the performances in these games were quite satisfactory.

- |                   |                             |
|-------------------|-----------------------------|
| 1. Football (Men) | 5. Athletic (Men & Women)   |
| 2. Handball (Men) | 6. Judo (Men & Women)       |
| 3. Handball (Men) | 7. Basketball (Men & Women) |
| 4. Cricket (Men)  | 8. Volleyball (Men)         |

The post-graduate students of the Goa University participated in various inter-collegiate tournaments and various inter-collegiate tournaments and various intro mural sports activities were also conducted. All post-graduate students activities at Inter-collegiate tournaments were given practice kit, traveling and dearness allowances as per the rules.

Sports Section has also organised friendly cricket matches in order to keep sportive atmosphere in the University campus. The matches were played as detailed under:

1. Goa University v/s Cardiff Eagle Cricket Club of England on 8<sup>th</sup> January, 1997. The match won by the Goa University.
2. Goa University v/s Directors of Physical Education of affiliated colleges played on 5<sup>th</sup> March, 1997. The match won by the Directors of Physical Education team.

**1.7 Student's Welfare and Cultural Activities:** Directorate of Students' Welfare & Cultural Affairs under the change of Director, Dr. T.D.Halarnakar undertakes curricular, co-curricular and extra-curricular activities of the students of Goa University and thereby creates opportunity to the students to **develop** their talents in various fields of Arts and Culture viz. Music, dance, dramatics, literature, fine art, debates etc. The Directorate also encourages the students to undertake the social activities, in order to enable them to translate their knowledge into practical utility. The Directorate organised the following activities:

1. Election of Goa University Students' Council for the year 1996-97
2. Election of Post-graduate students Union for the year 1996-97
3. Organised Inter-collegiate Youth Festival in January, 1997.
4. Organised Youth Meet of Post-graduate students in February, 1997.
5. Organised audition test for students for their selection on National channel of EL TV, Bombay

The University team participated in:

1. Inter-University Youth Festival, organised by AIU and Department of Youth & Sports, Government of India, New Delhi at Sardar Patel University, Vallabh Nagar, Gujrat, in November, 1996 and won 1<sup>st</sup> prize.
2. Participated in National Youth Festival organised by AIU at University of Bombay in January, 1997.
3. Participated in National Debating competition on co-operation organised by National Centre for Co-operation Training, New Delhi, held at V.M. National Institute, Pune in December, 1996.
4. Participated in National Debating Competition organised by Indian Council of World Affairs, New **Delhi** in January, 1997.

**1.8 Academic Staff College:** The Academic Staff Orientation Scheme (ASOS) has been sponsored by the University Grants Commission under the National Policy on Education, 1986 (NPE). The NPE recognises the need for improving the status of teachers and proposes to provide opportunities for professional and career development.

The intention of the University Grants Commission in sponsoring the ASOS and the establishment of Academic Staff Colleges in 48 Universities in the Country is to bring about qualitative improvement in higher education. The objective of the course is clear to strengthen the teacher's motivation and attitudes in his/her excellence.

The ASC at Goa University conducts Orientation courses for newly appointed teachers and Refresher courses in the specific subjects allotted to the ASC by the University Grants Commission.

During the year 1996-97 the Academic Staff College conducted four Orientation Courses and Refresher Courses in Chemistry, Life Sciences, Physics, Need-based Interdisciplinary Refresher Course in the faculty of Languages, and Need-based Refresher Course in Education.

The following are the faculty member of ASC:

F.A. Fernandes, Ph.D., Director

Ms P. Rebeiro, Ph.D., Lecturer

Senior Professors, well-known Scholars in different fields from other Universities besides the faculty members of the Goa University are invited to deliver Lectures in various courses.

The following Orientation and Refresher courses were conducted during the year:

41st *Orientation Programme*, 16th Aug. to 12th Sept., 1996

42nd *Orientation Programme*, 14th Nov. to 11th Dec., 1996

43rd *Orientation Programme*, 20th Feb., to 19th March, 1997

44th *Orientation Programme*, 23rd April to 20th May, 1997

1st *Refresher Course in Chemistry*, 24th Oct., to 13th Nov., 1996

2nd *Refresher Course in Chemistry*, 5th to 25th, Feb., 1997

8th *Refresher Course in Physics*, 20th Aug., to 10th Sept., 1996

9th *Refresher Course in Physics*, 2nd to 22nd Jan., 1997

4th *Refresher Course in Life Science*, 25th July to 14th Aug., 1996

5th *Refresher Course in Life Science*, 3rd to 23rd, Oct., 1996

6th *Refresher Course in Life Science*, 19th Nov.,1996 to 30th Jan.,1997

1st *Need-based Refresher Course in Education*, 26th Sept., to 16th Oct., 1996

1st *Need-based Refresher Course in Language(Interdisciplinary)*, 1st to 21st March, 1008

The ASC organised a seminar on "*Work Culture and Management of Higher Education*" (for the College Principals in Goa), 1st March, 1997,funded by University Grants Commission.

Dr. F.A. Fernandes attended Workshop on "*Continuing Education in Indian Universities: Retrospect and Prospect*" at New Delhi on 21st & 22nd April, 1997.



## PART 2: UNIVERSITY AUTHORITIES AND BODIES.

### 2.1 List of the members of the University

|  |                          |  |                             |
|--|--------------------------|--|-----------------------------|
| <b>court Vice-Chancellor</b>   | Chairman<br>(Ex-officio) | <b>Orlando Anthony Fernandes</b> , Lecturer, Membe<br>Dhempe College of Arts & Science,<br>Panaji, Goa                         |                             |
| <b>K.M. Mathew</b> , Dean, Faculty of Social<br>Sciences, Goa University.                                | Member                   | <b>Daisy Domic John</b> , Lecturer, Goa<br>College of Home Science, Panaji, Goa  | Membe                       |
| <b>W.K. Belokar</b> , Dean Faculty of Medicine,<br>Goa Medical College, Goa.                             | Member                   | <b>Rita Estavam Godihno</b> , Lecturer, Goa<br>College of Home Science, Panaji, Goa.   | Membe                       |
| <b>S.N. LaD</b> , Dean Faculty of Engineering<br>&Technology, College of Engineering, Goa,<br>Farmagudi. | Member                   | <b>Filip Neves Rodrigues e Melo</b> , Lecturer, Membe<br>Rosary College of Commerce & Arts,<br>Navelim, Salcette, Goa          |                             |
| <b>A.K. Joshi</b> , Dean Faculty of Languages, Goa<br>University.  | Member                   | <b>Shilpa G. Prabhudesai</b> , Lecturer, Shree Membe<br>Damodar College of Corn. & Economics.,<br>Margao, Goa.                 |                             |
| <b>A. Sreekumar</b> , Dean Faculty of Management<br>studies, Goa University                              | Member                   | <b>Vinayak Narayan Shet</b> , Asstt. Professor, Membe<br>College of Engineering, Farmagudi, Goa.                               |                             |
| <b>A.G. Desai</b> ,<br>Professor, Department of Geology, Goa<br>University                               | Member                   | <b>Joydeep Dwijendralal Bhattarcharjee</b> , Membe<br>Lecturer, Govt. College of Arts, Science,<br>& Commerce, Samquelim, Goa. |                             |
| <b>D.J. Bhat</b> , Professor, Department of Botany,<br>Goa University                                    | Member                   | <b>Chairman, Devi Shreevani Education</b> , Membe<br><b>Society</b> , C/o M.S. College of Law, Panaji,<br>Goa.                 |                             |
| <b>Y.S. Prahlad</b> , Professor Department of<br>Mathematics Goa University                              | Member                   | <b>Chairman, Ponda Education Society</b> ,<br>Ponda Goa.   | Membe                       |
| <b>G.N. Nayak</b> , Professor Department of<br>Marine Science, Goa University.                           | Member                   | <b>Sarvesh Kharangate</b> , Chairman,<br>University Students' Council, Arsia Apt.<br>Vidya Nagar, Margao, Goa                  | Membe                       |
| <b>P.R. Sarode</b> , Professor, Department of<br>Physics, Goa University.                                | Member                   | <b>Justice Enrico D'Silva</b> , Borda, Margao, Membe<br>Goa  |                             |
| <b>Dattaram V. Navelkar</b> , Principal, College<br>of Fine Art, Altinho, Panaji, Goa.                   | Member                   | <b>Rear Admiral B.R. Menon(Retd.)</b> ,<br>Chairman, Goa Shipyard Ltd, Vasco.  | Membe                       |
| <b>Xavier P. Devasia</b> , Principal, Fr. Agnel<br>College of Arts & Commerce, Pilar, Goa. <b>Sr.</b>    | Member                   | <b>P.G. Kakodkar</b> , Chairman, S. B. I.,<br>Madam Cama Road, Bombay 400 021.   | Membe                       |
| <b>Margaret A.J. D'Souza</b> , Principal, Carmel<br>College for Women, Nuvem, Goa. <b>Luis J.</b>        | Member                   | <b>Mario Miranda</b> , Loutolim, Salcette, Goa. Membe  |                             |
| <b>Vernal</b> , Principal, GVM's College of<br>Education, Ponda, Goa.                                    | Member                   | <b>Shambu Bhau Bandekar</b> , Ex-Dy.<br>Speaker, H.No. 4/16-A, Tabrawado, P.O.<br>Saligao, Bardez, Goa.                        | Membe                       |
| <b>Mohan M. Sangodkar</b> , Principal, Govt.<br>College of Arts & Corn., Pernem, Goa                     | Member                   | <b>Advocate Babuso Gaonkar</b> , Porvorim, Membe<br>Bardez, Goa.   |                             |
| <b>T.A. Vishwanath</b> , Lecturer, Department of<br>Geology, Goa University.                             | Member                   | <b>Pramod D. Salgaonkar</b> , Dattawadi,<br>Mapusa, Goa.   | Membe                       |
| <b>M.K. Janarthanam</b> , Lecturer, Department<br>of Botany, Goa University.                             | Member                   | <b>Nirmala Sawant</b> , Marcela, Goa   | Membe                       |
| <b>Poll Narayan Reddy</b> , Reader, Department<br>of Commerce, Goa University.                           | Member                   | <b>A.G. Khanolkar</b> , Controller of<br>Examination, Goa University.  | Membe                       |
| <b>Sandeep Shrinivas Burye</b> , Lecturer,<br>Dhempe College of Arts & Science, Panaji.                  | Member                   | <b>Registrar</b>   | Membe<br>Secreta<br>(Ex-Ofi |

The first meeting of the Fourth Court was held on 27<sup>th</sup> March, 1997.

## 2.2 List of members of the Academic Council:

|  |                          |  |                     |
|--|--------------------------|--|---------------------|
| <b>Vice-Chancellor</b> , Goa University.   | Chairman<br>(Ex-Officio) | <b>B.D. Desai</b> , Reader, Department of Chemistry, Goa University.   | <b>Met</b>          |
| <b>W.K. Belokar</b> , Dean, Faculty of Medicine & Dean, Goa Medical College, Bambolim, Goa                             | Member                   | <b>S.M. Tadkodkar</b> , Lecturer, Department of Marathi, Goa University.                                       | <b>Met</b>          |
| <b>S.N. La11</b> , Dean, Faculty of Engineering & Technology & Principal, College of Engineering, Goa, Farmagudi, Goa. | Member                   | <b>Ramballav Roy</b> , Lecturer, Department of Zoology, Goa University.  | <b>Mei</b>          |
| <b>V.N. Kamat Dalai</b> , Dean, Faculty of Natural Science, Goa University.  | Member                   | <b>Gorakhnath Mishra</b> , Principal, Dhempe College of Arts & Science, Miramar, Panaji, Goa.                  | <b>Met</b>          |
| <b>A.K. Joshi</b> , Dean, Faculty of Languages, Goa University.  | Member                   | <b>M.S. Kamat</b> , Principal, M.E.S. College of Arts & Commerce, Zuarinagar, Goa.                             | <b>Met</b>          |
| <b>K.M. Mathew</b> , Dean, Faculty of Social Sciences, Goa University.   | Member                   | <b>J.B. Fernandes</b> , Principal, Govt. College, Khandola, Goa.   | <b>Met</b>          |
| <b>C.S. Naringrekar</b> , Dean, Faculty of Performing Fine Art & Music, Campal, Panaji, Goa.                           | Member                   | <b>Bathini Rajashekar</b> , Lecturer, St. Xavier's College, Mapusa, Goa.                                       | <b>Met</b>          |
| <b>S. Mavinkurve</b> , Dean, Faculty of Life Science & Environment, Goa University.                                    | Member                   | <b>Suma Chitnis</b> , Director, J.N. Tata Endowment Bombay, Mumbai I   | rvici               |
| <b>A. Sreekumar</b> , Dean, Faculty of Management Studies, Goa University.   | Member                   | <b>K.J. Mahale</b> , (Former V.C., Manipur University), A4, Delux Apts.. Caranzalern, Goa.                     | <b>Met</b>          |
| <b>O.J.F. Gomes</b> , Professor & Head, Department of Konkani, Goa University.   | Member                   | <b>P.P. Shirodkar</b> , Director of Archives, Govt. of Goa, Panaji..   | Mei                 |
| <b>A.G. Desai</b> , Professor & Head, Department of Geology, Goa University.   | Member                   | <b>M.S. Dayanand</b> , Lecturer, Dept. of Met Management Studies, Goa University.                              | Met                 |
| <b>A.V. Afonso</b> , Professor & Head, Department of Philosophy, Goa University.                                       | Member                   | <b>Suhas J. Godse</b> , Lecturer, Dhempe Met College of Arts & Science, Miramar, Panaji, Goa.                  | Met                 |
| <b>G.N. Nayak</b> , Professor, Department of Marine Science, Goa University.   | Member                   | <b>Ashok P. Kamat</b> , Lecturer, S.S. Dempo College of Commerce & Economics, Panaji, Goa.                     | Mer                 |
| <b>Y.S. Prahalad</b> , Professor & Head, Department of Mathematics, Goa University.                                    | Member                   | <b>Radhika S. Nayak</b> , Lecturer, Carmel College of Arts, Science & Commerce for Women, Nuvem, Salcete, Goa. | Mer                 |
| <b>R.K. Singh</b> , Dean, Goa Dental College & Hospital, Bambolim, Goa.  | Member                   | <b>Varsha V. Kamat</b> , Lecturer, P.E.S. Mer College of Arts & Science, Farmagudi, Ponda, Goa.                | Mer                 |
| <b>Dean</b> , Faculty of Law.  | Member                   | <b>The Director</b> , National Institute of Oceanography, Dona Paula, Goa.                                     | Mei                 |
| <b>Dean</b> , Faculty of Commerce  | Member                   | <b>The Deputy Librarian</b> , Goa University.  | Met                 |
| <b>B.G. Nayak</b> , Principal, Govt. College of Arts, Science & Commerce, Quepem, Goa.                                 | Member                   | <b>The Registrar</b> , Goa University.   | Met<br>Seel<br>(Ex. |
| <b>Peter De Souza</b> , Reader, Department of Political Science, Goa University.                                       | Member                   |  |                     |

During the year four regular and one extra ordinary meetings of the Academic Council were held.

### 2.3 List of members of the Executive Council.

|   |                          |  |                                  |
|---|--------------------------|--|----------------------------------|
| <b>Vice-Chancellor</b> , Goa University.  | Chairman<br>(Ex-Officio) | <b>A. Sreekumar</b> , Dean, Faculty of Management Studies, Goa University.                 | Member                           |
| <b>Gen. S.F. Rodrigues (Retd.)</b> , Director, Goa International Centre, Dona Paula, Goa. | Member                   | <b>A.G. Jumde</b> , Principal, G.V.M's College of Commerce & Economics, Ponda, Goa.        | Member                           |
| <b>E. Desa</b> , Director, National Institute of Oceanography, Dona Paula, Goa.           | Member                   | <b>V. Shivkumar</b> , Professor & Head, Centre for Latin American Studies, Goa University. | Member                           |
| <b>Secretary to Governor of Goa</b> , Raj Bhavan, Dona Paula, Goa.                        | Member                   | <b>Secretary (Finance)</b> , Govt. of Goa, Secretariat, Panaji, Goa.                       | Member<br>(Ex-Officio)           |
| <b>Ranjana Salgaonkar</b> , Salgonkar House, Vasco-Da-Gama, Goa                           | Member                   | <b>Secretary (Education)</b> Govt. of Goa, Panaji, Goa.                                    | Member<br>(Ex-Officio)           |
| <b>Fr. Romaldo D'Souza</b> , Director, Xavier Institute of Management, Ribandar, Goa.     | Member                   | <b>Registrar</b> , Goa University.   | Member-Secretary<br>(Ex-Officio) |
| <b>V.N. Kamat Dalal</b> , Dean, Faculty of Natural Science, Goa University                | Member                   |  |                                  |

During the year 1996-97 nine regular and one extra ordinary meetings of the Executive Council were held.

### 2.4 List of the members of Planning Board

|  |                          |   |                                  |
|--|--------------------------|---|----------------------------------|
| <b>Vice-Chancellor</b> , Goa University.                                     | Chairman<br>(Ex-Officio) | <b>Alban Couto</b> , 6, Citadel, Cenotaph, rd Lane, Madras - 18   | Member                           |
| <b>D.N. Dhanagare</b> , Vice-Chancellor, Shivaji University, Kholapur.       | Member                   | <b>S.D. Karnik</b> , WRC-ICSSR, J.P. Naik Bhawan, Vidyanagari, Kalina, Santa Cruz (East), Bombay - 400 098. | Member                           |
| <b>V.N. Kamat Dalai</b> , Dean, Faculty of Natural Sciences, Goa University. | Member                   | <b>Registrar</b> , Goa University.  | Member.<br>Secretar!<br>(Ex-Offi |

The first meeting of the Four Planning Board was held on 8<sup>th</sup> March, 1997.

### 2.5 List of Deans of Faculties.

|  |  |
|--|--|
| <b>A.K. Joshi</b> , Dean, Faculty of Languages                     | <b>S.N. Lal</b> , Dean, Faculty of Engineering & Technology. |
| <b>K.M. Mathew</b> , Dean, Faculty of Social Sciences              | <b>A. Sreekumar</b> , Dean, Faculty of Management Studies    |
| <b>M. Mavinkurve</b> , Dean, Faculty of Life Science & Environment | <b>C.S. Naringrekar</b> , Dean, Faculty of Fine Art & Music  |
| <b>V.N. Kamat Dalai</b> , Dean, Faculty of Natural Science         |  |
| <b>W.K. Belokar</b> , Dean, Faculty of Medicine                    |  |

### 2.6 List of Officers of the University:

|                                     |   |
|-------------------------------------|---|
| <b>B.S. Sonde</b> , Vice-Chancellor | <b>V.K. Bagli</b> , Fine Officer (till 10.9.96) |
| <b>D.V. Borkar</b> , Registrar      | <b>A.V. Rao</b> , Deputy Registrar (G.A.)       |

**M.S. Chauhan**, University Engineer  
**T.A. Rane**, Head, Computer Centre  
**V.R. Navelkar**, In-charge Librarian  
**A.G. Khanolkar**, Assistant Registrar & Offtg.  
Controller of Exatniantions  
**U.V.K. Shankwalkar**, Assistant Registrar  
**G.J.S. Talaulikar**, Assistant Registrar  
**M.A. Vaidya**, Assistant Registrar  
**G.D. Nasnodkar**, Assistant Registrar  
**V.N.S. Alornekar**, Assistant Registrar (till  
28.02.1997)  
**Leo Macedo**, Assistant. Registrar  
**Donal Rodrigues**, Assistant. Registrar

**M. Shreedhara**, Assistant Registrar  
**T.D. Halarnkar**, Director of Students'  
Welfare  
**Patricia Sequeira**, Medical Officer  
**A.A. Kakodkar**, Documentation Officer  
**R.N. Tani**, Assistant Director of Sports  
**V.L. Sawkar**, Assistant Engineer  
**Amit Srivastava**, Assistant Engineer  
**S.S. Talaulikar**, Assistant Engineer  
**M. Chakraborty**, Programmer  
**Sanjay Bandomkar**, Programmer  
**Damodar J. Naik**, Assistant Accounts Officer.

Editorial Committee

*A. V. Afonso, G. N. Mishra, A. J.*

*Jayanthan,. V. P. Kamat*

Assisted by:

*U. V. K. Shankwalkar, J. A. C. P. Vaz,*

*Ms. Nancy Canelo*

## 3.1 Faculty of Languages

### 3.1.0 General Information regarding faculty: (Departments and Degrees)

Department of English: (M.A., M. Phil., Ph.D.)

Department of French: (B. A., M.A., Ph.D.)

Department of Hindi: (M. A., M.Phil., Ph.D.)

Department of Konkani: (M.A., Ph.D.)

Department of Marathi: (M.A., M.Phil., Ph.D.)

Department of Portuguese: (B.A., M.A., Ph.D.)

Certificate of proficiency in French, German, Portuguese, Italian and Spanish. Advance Diploma in French.

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### 3.1.1 List of Teaching Staff: (Name, Qualifications, Designation)

#### Department of English

A.K. Joshi, PhD, *Professor & Head*

A.B. Patil, PhD, *Reader* K.S.

Bhat, Ph.D, *Reader* A.P.

Vashishta, PhD, *Lecturer*

K.J. Budkuley, PhD, *Lecturer*

A.R. Fernandes, M.Phil, *Lecturer*

#### Department of Konkani

O.J.F. Gomes, Ph.D., *Professor & Head*

P.S. Tadkodkar, M.A., *Lecturer*

Madhavi Sardssai, M.Phil, *Lecturer*

Chandralekha D'Souza, PhD, *Lecturer*

#### Department of Marathi

S.D. Komarpant, Ph.D, *Reader & Head*

K.M. Sadre, Ph.D, *Reader*

V.D. Sawant, Ph.D, *Lecturer*

S.M. Tadkodkar, PhD, *Lecturer*

B.G. Kanolkar, M.A, *Lecturer*

#### Department of French

Jayant Dhupkar, Ph.D., *Professor & Head*

Gloria Saravaya, Ph.D., *Reader*

Prasad G. Barve, M.A., *Lecturer*

Edith Melo Furtado, M.A., *Lecturer*

#### Department of Hindi

B.K. Sharma, Ph. D., *Reader & Head*

Ishrat Khan, Ph.D, *Lecturer*

R.N. Mishra, Ph.D, *Lecturer*

Vrushali Mandrekar, M. A., *Lecturer*

#### Department of Portuguese

Selma de V. Velho, Ph.D., *Reader & Head*

Jose Minguel Ribeiro Lume, Ph.D., *Visiting Reader*

### 3.1.2. Highlights of the research activities:

#### Department of English

During the academic year 1996-97, the Department of English was active in pursuing various research activities and had kept the following research areas in focus: (I) Literary theory; (ii) Contemporary Literature, (iii) Comparative Literature, (iv) English Studies and the Indian Languages, (v) English and Portuguese Studies. A.K. Joshi worked on Contemporary literary theory and wrote and lectured extensively on Marxist literary theory, **Psychanalytic criticism and Reader response theory.**

A.B. Patil worked on comparative literature and did a minor research project on literary taste in Goa.

K.S. Bhat has been working on literary theory and cultural studies.

K.J. Bukduley has been working on 'Goan lullaby' which is a part of a larger project titled Goa folklore.

A.R. Fernandes has undertaken a project jointly with teachers from the University of Porto in Portugal on the

Spoken Portuguese in Goa.

The Department has been guiding M.Phil. and Ph.D. students in divergent areas related to English studies and the Allied disciplines and has plans to pursue some major projects in coming years.

### Department of Hindi

**B. K. Sharma:** Working in comparative study. Also working for D. Litt. on Sociology of Contemporary Poetry.

**Ishrat Khan:** Working on project work on Sufism and Medieval Hindi Poetry.

**R.N. Mishra:** Has taken a minor research project on "Goa mein Hindi ki esthiti avam vikas ka Anushilan".

**Vrushali Mandrekar:** Working on comparative work of Hindi and Konkani novel of Markandeya and Pundalik Nayak.

### Department of Konkani

**O.J.F. Gomes** carried on his research under the U.G.C. sponsored project 'Reconstruction of Old Konkani Literature' and also worked on the history of the literature and culture in all its variegated aspects.

**Chandralekha D'Souza** and **Mrs. P.S. Tadkodkar** are working on 'Indian Poetics' and 'Western Poetics', respectively, under the U.G.C. scheme of 'Preparation of University - level text books by Indian authors'.

**Madhavi Sardesai** guided some students on research on professional registers of Konkani.

### Department of Marathi

**S.D. Komarpant:** Critical study of Contemporary Marathi Poetry. Goan proverbs with view point of socio-linguistic study of the Marathi Language.

**K.M. Sadre:** Critical studies of modern prose & poetry texts - especially post 1960 writings in Marathi modernity. Modernity & Modernism in Marathi Poetry.

**V.D. Sawant:** Post 1960 Marathi Novel. There are some significant changes and new trends in Marathi Novel after 1960. But Marathi criticism has not taken note of this change. Research is conducted to point out and explain these new changes in Marathi novel and the new conception of Novel form in Marathi as there is no proper theory of Novel developed in Marathi. Literary Theory and Criticism: Possibilities of an alternative to the established Aesthetics in Marathi to explain the concept of "Deshhivad" as a main feature of new Marathi Aesthetics. The Kalagi Tura literature is an important part of traditional folk-literature in Marathi. This is a vast area for research, which includes collection and literary study of the Kalagi-Tura literature.

**S.M. Tadkodkar:** Researching and editing manuscripts of Goan Marathi literature from the 17<sup>th</sup> century onwards. Development Studies in languages.

**B.G. Kanolkar:** Studies of short stories by Laxmanrao Sardesai, an eminent Goan Marathi short story writer who contributed to the development of the Marathi short story. Interdisciplinary research: "Modern Goa". Cultural background of Goan Marathi literature.

History of Goan Marathi Literature. Social Linguistic study of Goan Marathi literature etc. Research in folk literature of Goa. With special reference to Dhalo, Sigmo, Dasara and Goan folk theatre.

### Department of French

**Gloria Saravaya** - (1) The Question of Origin in Marguerite Yourcenar (2) On a book of poems to be published by ADELFF (Association des Ecrivains de Langue Francaise).

**Edith Melo Furtado** - Two women authors in Canadian French Literature.

#### 3.1.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

**Prof. Vijay Bahadur Singh**, Barkatullah University Bhopal, *Literary Critics, Nirala Ki Kavita. Hindi Poetry*, 19/8/96 to 24/8/96.

**Dr. Dhanraj Mandhane**, Marathwada University, Aurangabad, *Hindi Novel and Psychology*, 14/2/97.

Prof. Namwar Singh, J.N.U. , New Delhi, ( ) *Novel and Nation in the Indian Context* (2) *Bhartiya Kavya Shashtra*, (3) *Marxwadi Alochana*, (4) *Alochaka ke Rup ntein Hajari prasad Dwivedi*, 11/2/96 to 13/2/96

Prof. V.B. Singh, Bhopal, (1) *Literary Critics & Criticism* (2) *Nirala ke Kavita*, 19/8/96 to 24/8/96

Dr. Vijaya Rao, J.N.U., New Delhi, *Women in Canadian Literature*, 10/2/97

Maurice Rouche, Ex-JNU (Presently in Paris), *France in the historical context of Europe*, 5/3/97

3.1.4 Sponsored Research Projects sanctioned in 1996-97 (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)

R.N. Mishra, *Goa mein Hindi ki Esthiti avant vikas ka Annushilan*, July, 1996, UGC, 10,000/-

3.1.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (Theme, Dates, Funding Agency)', Name of Department)

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*Contemporary British Literature*, 21/3/97, Goa University, English

*Creative Writing*, 27/7/96, Goa University, English

*Inter-disciplinary Refresher course for language teachers*, 1/3/97, UGC', Faculty of Languages and Academic Staff College

*Post Independence Indian Novel*, 12/2/97 to 13/2/97, Goa University, Hindi and Konkani

*Stylistics and Marathi Literature*, 18/2/97 to 19/2/97, Goa University and Gontantak Marathi Academy, Marathi

*Congress of All India, Indian teachers of French*, \*Nov. '97, French Embassy, French

*Theatre of Jean Genet*, \*Feb.' 97, Goa University, French

*Women in Canadian Litrerature*, Centre for Canadian Studies, French

(b) (i) Attended Seminars/Conferences: (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

A.K. Joshi, *English studies in India*, Delhi University, 27/11/96 to 29/11/96, *English studies and the Indian Languages*.

A.B. Patil, *Subaltern Studies*, Marathwada University, 26/12/96 to 27/12/96, *Can Subaltern writers write or rewrite?*

A.B. Patil, *Feminist Literature in Marathi*, Pune, \*. *Feminism in Modern Marathi Literature*

A.B. Patil, *Commonwealth Literature*, Satara, 7/2/97 to 9/2/97, *'Is Post' in Post Colonial fiction really post-colonial?*

K.S. Bhat, *Sanskrit Poetics*, Mangalore, \*Feb., 1997, *Indian and Western Poetics: Historical and cultural equations*.

K. Budkuley, *Approaches to Shri Aurobindo*, Panaji, 15/2/96, *Understanding Shri Aurobindo: Disengaging myth from historicity*

K.Budkuley, *Contemporary British Literature*, Goa University, 21/3/97, *The Golding Goldntine revisited*

K. Budkuley, *All India Konkani Sammelan*, Kochin, \*July, 1996, *Sahitya Niyaal: Tatvam ani Prayog*.

B. K. Sharma, Beed, Maharashtra, 30.1.97, *Samkaleen Kavita Attr Lok Sahitya*.

B. K. Sharma, J.L.S.Calcutta, 3.2.97, *Dakshin Bharat Ka Lekhan*.

B. K. Sharma, C.S.T.T. New Delhi., 18/3/97 to 21/3/97, *Conference*.

Ishrat Khan, Shri Aurobindo Society, Panaji, 23/2/97, *Maharshi Arvind aur Rajneeti*

Ishrat Khan, The Centre for Women's Study, Goa University, 31/3/97, *Ret ki Machhali Upanyas mein Nan i Vedna*

R.N. Mishra, Mumbai, 18/2/97 to 19/2/97, *Tulsi Sahitya mein Samajik Santanvaya*

Vrushali Mandrekar, The Centre for Women's Study, Goa University, 31/3/97, *Apke bunty mein Nagariya Jeevan*

S.D. Komarpant, Gomantak Marathi Academy, 1/2/97, *Short stories by B.B. Borkar*

S.D. Komarpant, Gomantafc Marathi Academy, 30/4/97, *'Prarthana' Madhavi Desai*

S.D. Komarpant, Goinantak Marathi Academy, 25/5/97 and 28/5/97, *Short stories by Madhu Mangesh Karnik*



V.D. Sawant, Goa University, 14/2/97 to 15/2/97, *Lildcharitrachi Bhashashaile*  
V.D. Sawant, Pune University, 20/3/97 to 21/3/97, *Deshiwadi Sahitya Sicldhant*  
S.M. Tadkodkar, Gomantak Marathi Academy, 19/10/96, *My Experiences in the field of Research Work*.

S.M. Tadkodkar, Baroda, 20/12/96, *Understanding the tribal imagination*.  
O.J.F. Gomes, International conference on 'Hispanism & Ibero-American Studies, Jawaharlal Nehru University, New Delhi, 4/2/96 to 6/2/97, *Socio-literary perspectives in a Brazilian novel, Jorge Anicidols "Gabrielacravo e canela"*  
O.J.F. Gomes, National Seminar on 'Post-Independence Indian Novel', 12/2/97 to 13/2/97, *The post-Independence Konkani Novel in Goa and Mumbai*  
Chandralekha D'Souza, Seminar of Aurobindo Society, Panaji, Goa, 23/2/97, (1) *Shri Aurobindo's influence on Hindi Literature*, (2) *"Aurobindo's cultural influence"*  
Madhavi Sardesai, Seminar on Konkani Grammar & Tagging of Corpora, Asnzitai Pratisthan, Margao. Goa, 29/3/97 to 30/3/97, *"The basic aspects of the structure of Konkani"*  
Gloria Saravaya, Paris, \*Oct., 96, *Ce que j'airencontre en senghor*  
Gloria Saravaya, JNU, New Delhi, \*Oct., 97, *Saga of love among exiled colonized writers*  
Gloria Saravaya, Mauritius, \*July, 1997, *Loketzath Bhattachazya et les ideogrammes de Michaux H.*  
Gloria Saravaya, Delhi University, \*Dec., 1997, *Exile in which kingdom*  
Gloria Saravaya, Goa University, \*Nov., 1997, *The symbolic of body and interculturality*  
Edith Melo Furtado, Alliance Francaise, \*April'97, *Methodology of French as a foreign language*  
Edith Melo Furtado, Goa University, \*Nov., '97, *Interculturality in a foreign language class' a practical approach*

b) (ii) **Attended Workshops:** (Name of Teacher, Theme of Workshop, Place, Date)

R.N. Mishra, *Post Independence Indian Novel*, Goa University, 12/2/97 to 13/2/97  
Gloria Saravaya, *African Literature in French*, Poona, \*Dec., 1996  
Prasad Barve, *Hostelry & Tourism in French*, Bangalore, 24/9/96 to 30/9/96  
Edith Melo Furtado, *Tourism & Hotel Industry*, Bangalore, \*Sept, '96

3.1.6 (a) **Publications (Research Articles):** (Name of Teacher, Title, Journal, Volume, Month/Year)

A.K. Joshi, *The critical work of Gangadhar Patil, Zapurza (Marathi)*, pp.70-77, Oct-Dec, 1996  
A.B. Patil, *Pratkarwadi Saundayashastra, Asmitadarsh*, pp. 5-26, Dec., 1996  
A.B. Patil, *Beyond Modernism Aesthetics of Resistance, New Quest*, pp. 39 - 47, Dec., 1996  
Ishrat Khan, *Sampreshan Vyavastha, Rastravani Patrika*, June, 1996  
Ishrat Khan, *Maithilisha ran Gupta ki naari Drishti, Sahitya Mandal Patrika*, June, 1996  
Ishrat Khan, *Khunteaun par tange log: Ek Mulyankatz, Gomanchal Patrika*, August, 1996  
Ishrat Khan, *Varma ji ka Itihas Lekhan: Ek Mulyankan, Purankhumb*, Dec., 1996  
S.D. Komarpant, *Vyankatesh Madgulkaranche Antacharitratak Lekhan, Vasant, Diwali, 1996*  
S.D. Komarpant, *Bharatachya Punrutthanche Shilpkar: Yogi Arvind, Vasant*, May 1997  
V.D. Sawant, *1960 Nantarchi Marathi Sameeksha, Sathottari Marathi Sameeksha, Collection of essays*, August, 1996  
B. K. Sharma, *Nirala Ki Kavita, A.S.C. Shivaji University, Critics*, Aug 1996  
B. K. Sharma, *Nirala Ki Pragatisheel Drishti, Bhasha, Samiksha*, May 1997  
O.J.F. Qomes, *The Konkans - a Community unveiled'(in German), Indien in der Gegenwart*, Dec., 1996  
O.J.F. Gomes, *'The lottery ticket'(Short story translated from Konkani), Indian literature, New Delhi*, Nov, 96 Dec.96  
P.S. Tadkodkar, *Marathi Sahitya Sammela nacha vaad', Jaag,, July,96*  
P.S. Tadkodkar, *Prof Priolkar's, Jaag*, Sept, 96  
P.S. Tadkodkar, *'A Tragic Hero, Jaag*, April, 97  
Madhavi Sardesai, *'Swanim-wichar - bhashechem nadamchem wyakran'( A note on phonology), Jaag*, May, 97  
Chandralekha D'Souza, *'Mankulo Rajkuwar' in Konkani, Jaag*, Feb., 97

(b) **Publications (Books):** (Name, Title of Book, Publisher, Year)

- A.K. Joshi, '*Sanzajshasstriya Sameeksha*' *Sathottari Sameeksha (Marathi) ed. Keshav Sadre, Gomantak Marathi Academy, 1996*
- A.B. Path, '*Nativistic Intertextuality in Indian fiction Nativism: Essays in Criticism. Ed. Makarand Paranjape, Sahitya Academy, 1997*
- K.M. Sadre**, *Sattorari Marathi Santeeksha*, Gomantak Marathi Academy, 1996
- B. K. Sharma, *Sankaleen Kavita Aur Saundatya Bodh*, Vanee Prakashan Delhi , 1996
- Gloria Saravaya, *Le theme du retour*, Harmattan, Paris, 1996

3.1.8 **Ph.D. degrees conferred during the year: (Name of Candidate, Subject, Title of the thesis)**

**Madhumati Kulkarni**, English, *Aurobindo's Savitri: A Study of the epic as a twentieth century Indian specimen of Apocalyptic Literature.*

**K. M. Sadre**, Marathi, *Marathi Kavitetil Aadhunikata aani Aadhunikatavad: Marthekar P.S. Rege, Vindra Karandikar, Dilip Chitre aani Arun Kolatkar yanchya vishesh sandarbhat prabandhatil vishaya pratipadanacha saransh*

3.1.9 **Any other information:**

(1) B. K. Sharma is appointed Editor of *Sahitya Setu Sagar*.

(2) Prasad Barve - awarded fellowship by the Embassy of France, New Delhi to undergo the specialised language course 'French of Hostelry, Tourism & Restauration' at the 'Institut de Touraine' Tourse, France in August'96

(3) Edith M. Furtado - 2 months fellowship to visit France for attending a Refresher Course at the University of Caon (Normandy) and at the University of Sorbonne (Paris) from July to Sept., 1997.

## 3.2 Faculty of Social Sciences

3.2.0 **General Information regarding faculty: (Departments and Degrees)**

Department of Economics: (M.A., Ph.D.)

Department of History: (M.A., Ph.D.)

Department of Philosophy: (M. A., Ph.D.)

Department of Politics: (M.A., Ph.D.)

Department of Sociology: (M.A., Ph.D.)

Centre for Latin American Studies: (M.Phil., Ph.D.)

Centre for Women's Studies.

3.2.1 **List of Teaching Staff: (Name, Qualifications, Designation)**

### Department of Economics

**M.A. Shahi**, Ph.D. *Professor & Head*

**A.R. Padoshi**, Ph.D. *Reader*

**S.M. Noronha**, Ph.D. *Reader*

**H. Sadia Rizvi**, M.A., *Lecturer*

**M.D. Aiholi**, M.A., *Lecturer*

**Pranab Mukhopadhyay**, M.Phil, *Lecturer*

### Department of Philosophy

**A. V. Afonso**, Ph.D., *Professor and Head*

**U. A. Vinay Kumar**, Ph.D., *Lecturer*

**Sanjyot D. Pai Vernekar**, M.A., *Lecturer*

**C. A. Tomy**, Ph.D., *Lecturer*

**Koshy Tharakan**, M.Phil., *Lecturer*

**Milan Desai**, Ph. D. , *Lecturer*

## Department of Sociology

S R Phal, M.A., *Reader*

William R de Silva, Ph.D., *Reader*

Alito Siqueira, M.A., *Lecturer*

Sashee Hegde, Ph.D., *Lecturer*

Seemanthini Niranjana, Ph.D., *Lecturer*

Munmun Jha, Ph.D., *Lecturer*

## Department of History

K.M. Mathew, Ph.D, *Professor & Head*

Pratima P. Kamat, Ph.D, *Reader*

N. Shyam Bhat, Ph.D, *Reader*

Ujjayan Bhattacharya, M.Phil., *Lecturer*

Nagendra Rao, M.Phil., *Lecturer*

## Department of Political Science

Adi H. Doctor, Ph.D, *Professor (Head  
31/0/97)*

### 3.2.2. Highlights of the research activities:

#### Department of History

A Preliminary Survey work was undertaken to assess the maritime traditions of the Konkan Coast. (KM. Mathew)

Engaged in research work on contribution of women to Goa's Struggle for Freedom, Women in Colonial Goa, Women and Law-Civil Code on Women in Goa. (Pratima P. Kamat)

Submitted the final report of I.C.H.R. Research Project on "Judiciary and Police in Early Colonial South Kanara: 1799-1862" in November, 1996. (N.Shyam Bhat)

Trade and Commerce in West Coast. ( Nagendra Rao)

#### Department of Philosophy

Methodology in Philosophy and Problems of Indian Bioethics.(A.V.Afonso)

Self in Indian Philosophies.(U.A.Vinay Kumar)

Issues in Applied Ethics with reference to medical practice.(Sanjyot D.P.Vernekar)

Philosophical Foundations of Cognitive Sciences.(C.A.'Tomy)

Phenomenological Approaches to Social Reality.(Koshy Tharakan)

Philosophy of Science with special reference to Popper's Falsificationism.(Milan Desai)

#### Department of Political Science

Department conducted research on (a) electoral politics in Goa (b) Panchayati Raj Institutions in Goa (c) Media's response to liberation of Goa and (d) State's response to developmental issues in Goa. The findings of 'A' were published in The Hindu and India Today. The findings of 'B' are being processed and Departmental Monograph is under preparation. Findings of 'C' are under preparation for a final report. Findings of 'D' have been presented to the University Research Committee. The focus of all four project is Goa which is part of the Department effort to in the long term, make available a body of systematic research on different aspects of society and politics in Goa. The published work 'Cabinet Government in Goa' is consistent with this objective. The Department is also interested in studying political processes within the democratic space in India. With this in mind following research is being undertaken: (a) Theorizing Indian politics with special focus on Regional agrarian movements and (b) Public Policy Analysis.

Peter R. D'Souza, D.Phil., *Reader (Head  
w.e.f. 1/11/96)*

Vandana Bose, M.Phil, *Lecturer*

D.K. Singh, Ph.D, *Lecturer*

Aureliano Fernandes, Ph.D., *Lecturer*

#### Centre for Latin American Studies

V. Shivkumar, Ph.D., *Professor & Head*

Pushkar (On study leave), M.Phil, *Lecturer*

Dilip Loundo, Ph.D., *Lecturer*

Dalbir Singh, Ph.D., *Research Associate*

Archana Kakodkar, M. Lib. Sc.

*Documentation Officer*

#### Centre for Women's Studies

Pratima Kamat, Ph.D., *Teacher Incharge*

Shaila DeSouza, M.S.W., *Research Officer*

## Department of Sociology

Continuing work on cultural and identity construction in Goa. Also, related aspects of cultural and economic appropriation of tourism in Goa (as an instance of a developing society). A more recent interest in education, particularly with respect to scale, size structure and distribution of education in Goa. (Alito Siqueira)

Worked on an essay exploring dimension of the law-medicine-psychiatry interface; even as an earlier essay, on rules and laws in the Indian traditions, had to go through another workout. A concept note on the possible contents of a programme in Development Studies was prepared, which also formed one of the basis for an interdisciplinary workshop held at our University. A paper on some questions of secularism in India was prepared for a study week at the Indian Institute of Advanced Study, Simla. (Sasheej Hegde)

The construction of femininity examining both cultural and material practices as they impinge upon the former. Writings that attempt to theorise the spatial matrix in our society, a theme largely absent within Indian sociology. In recent research the focus has been on illness, healing practices and women's bodies, an understanding that is sought to be reconstructed from women's perceptions within a micro ethnographic context. (Seemanthini Niranjana)

Human Rights and related movements in India and in comparative perspective. (Munmun Jha)

## Centre for Women's Studies

Pratima Kamat - Women and the Colonial State in Goa. Woman & Law

Shaila De Souza - Case Study of a Women's Organisation. Malaria & Development. Women in the Village of Karlcra.

The CWS has also initiated a study on 'Women in Goa's Struggle for Freedom'.

## Centre for Latin American Studies

Development and Human Rights:- A Comparative Study of India and Mexico (Submitted to ICSSR). Prof. V. Shivkumar is involved at present in a project namely "Emerging Trends in inter-American Relations: Selected issues".

Dr. Dalbir Singh, Research Associate of the Centre submitted a report on his project entitled "International Context of Cuba-United States Relations" sponsored by the UGC.

### 3.2.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

**Dr. Paul Axelrod**, A presentation on his work on *Pre-Portuguese Comunidades in Goa*, August 1996.

**Dr. Simon R. Charsley**, Glasgow University, *Is Entrepreneurship Useful for the Progress of Dalits*, Feb. 25, 1997.

**Prof. Fitzroy A. Baptiste**, University of West Indies, *US Policy towards Caribbean*, 20/12/96

**Prof. H. C. Heinrich Beck**, Bemberg University, *Europe-Africa-Asia: The Creative Encounters of the World Cultures as a Pointer for Latin America*, 8/3/97

**Prof. M. G. S. Narayanan**, I. C. H. R., New Delhi, *D. D. Kosambi Memorial Lecture*, 18/2/97

### 3.2.4 Sponsored Research Projects sanctioned in 1996-97 Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)

N. Shyam Bhat, *History of Trade and Commerce in Goa: 1840-1878*, July, 1996, G. U. Minor Research Project, 20,000/-

V. Shivkumar, *Indo-Latin American Relations: Retrospect and Prospects*, June 1997, Ministry of External Affairs, Rs. 45,000/-

### 3.2.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (*Theme, Dates, Funding Agency, Name of Department*)

*Seminar on "Social Change in Goa" and Symposium on 'Recent Trends in History', 4/3/97 to 5/4/97, Goa University & Directorate of Archives, Govt. of Goa, History & Directorate of Archives, Archaeology and Museum, Govt. of Goa.*

*Teaching Philosophy, 10/3/97 to 11/3/97, Goa University, Philosophy*

*Interdisciplinary Workshop on "Evolving Perspectives in Development Studies", 14/3/97 to 15/3/97, UGC/Goa University, Faculty of Social Sciences*

*Entrepreneurial Development Programme for Women, 14/12/96 & 6/1/97 to 11/1/97, Goa State Women Co-operative Federation Ltd., AIWC, Goa Branch & other Women's Organisation, CWS*

*Mahila Upanyaskar Mahanagriya, 31/3/97, Goa University, CWS*

*Emerging Trends in hido-Latin American and Caribbean Relations, 20/3/97-21/2/97, Ministry of External Affairs, Govt. of India, CLAS*

(b) (i) Attended Seminars/Conferences: (*Name of Teacher, Theme of Conference, Place, Date, Title of Paper*)

Pranab Mukhopadhyay, Sapru House, 2/4/97 to 5/4/97, "*Profits, Costs & Disease*"

M.D. Aiholi, Noida, 20/12/96 to 22/12/96, "*Changes in Workforce Structure*"

Peter R. deSouza, Shimla, \*September'96, *Political Responsibility of Intellectual in India.*

Peter R. deSouza, Italy, \*February'97, *Negotiations towards a Political: Parties and Electoral Process in India.*

Peter R. deSouza, Shimla, \* May'97, *Secularism in India: An analytical statement.*

K.M. Mathew, Azores (Portugal), 7/5/96 to 12/5/96, *Dutch Threat and the Security of the Portuguese Carreira in the Indian Waters.*

K.M. Mathew, Calicut, \*July, 1997, *Portuguese Expansion in the Arabian Sea.*

Pratima P. Kamat, Aurangabad, 25/11/96 to 27/11/96, *The Colonial State and Women in Goa:1510-1961.*

Pratima P. Kamat, Pune, 20/2/97 to 22/2/97, *Syncretism and Social Change: Some Reflections on the Goan Experience.*

Pratima P. Kamat, Goa, 4/3/97 to 5/3/97, *Syncretism in the Goan Society with special reference to the Worship of Mother Goddess and 'In Pursuit of the Writing of History by Word of Mouth'.*

Pratima Kamat, Panaji Kala Academy, 27/1/97, *Women in Decision Making*

N.Shyam Bhat, Chennai, 27/12/96 to 29/12/96, *Police System in South Kanara 1799 - 1862.*

Ujjayan Bhattacharya, Chennai, 27/12/96 to 29/12/96, *The Portuguese Maritime Strategies and Options in Eastern Indian Ocean Region: 1515 - 1526.*

Alito Siqueira, *Autonomy and Excellence*, Chowgule College, Margao, 27/1/97 to 28/1/97, *Can Autonomy Bring Excellence? - A background note for a discussion on Size, Scale and structure of Education in Goa -*

Sasheej Hegde, *Study Week on Secular-Comthunal Question*, Indian Institute of Advanced Studies, Simla., 8/5/97 to 14/5/97, *The Toils of Secularism: India, Europe and Beyond.*

Seemanthini Niranjana, *Rethinking Indian Modernity: The Political Economy of Sexuality*, Madras Institute of Development Studies, 1/8/96 to 3/8/96, *Morality, Legitimacy and Female Sexuality: Further Questions on Women's Agency*

Seemanthini Niranjana, *Recasting Indian Sociology: The Changing contours of the discipline*, Jawaharlal Nehru University, New Delhi., March 20-21, 1997, *Sociology and Cultural Studies: Issues for Re-casting*

Shaila DeSouza, New Delhi, 2/4/97 to 5/4/97, *Profits, Costs & Disease Re-Examining Third World Dilemmas about Development.*

Dilip Loundo, *Centre of Spanish Studies* INU, New Delhi, 4/2/97 to 6/2/97, *The Indian Element in the Poetry of Poetess Cecilia Meirles at the International seminar on Hispanic Studies*

Archana Kakodkar, *Society for information* Bhubneswar, \*1997, *Access to Electronic Information: A case Study of Latin America*

Sanjyot D. Pai Vernekar, *Contemporary Relevance of the Vedic Thought*, Panaji, 6/5/1997, *Vedic Concept of God.*

Sanjyot D Pai Vernekar, *Sri Aurobindo - Mystic, Philosopher & Seer*, Panaji, 5/1/1997, *Sri Aurobindo's Theory of Evolution - A Critical and Comparative Study.*

(b) (ii) Attended Workshops: (Name of TeachPr, Theme of Workshop, Place, Date)

- D.K. Singh, *Computer Applications in Social Science*, Surat, 2/12/96  
D.K. Singh, *Evolving Perspectives in Development Studies*, Goa, 15/3/97  
Aurelian° Fernandes, *Parliamentary Processes and Procedures*, New Delhi, 26/8/96  
Aureliano Fernandes, *Use of Statistical Package in Social Sciences (SPSS)*, Indore, 2/12/96  
Aurelian° Fernandes, *Evolving Perspectives in Development Studies*, Goa, 15/3/97  
A. V. Afonso, *National Workshop on Philosophy of Krishnanturti*, K.F.I., Madras, 6/2/97 to 8/2/97  
C. A. Tomy, *Rights and Duties: Limits of the Liberal Theory of Justice*, University of Hyderabad, Hyderabad, 16/1/97 to 19/1/97  
Koshy Tharakan, *Rights and Duties: Limits of the Liberal Theory of Justice*, University of Hyderabad, Hyderabad, 16/1/97 to 19/1/97  
Alito Siqueira, *All Indian Sociological Conference: Ecology. Society and Culture*, Kholapur University, Kolhapur, 22/11/96 to 25/11/96  
Alito Sequeira, *Gender Related Framework*, Bombay University, Bombay, 19/12/96 to 20/12/96  
Sasheej Hegde, *International Workshop on 'Social Criticism, Cultural Creativity and the Contemporary Dialectics of Transformation*, Madras Institute of Development Studies, Chennai, 4/12/96 to 7/12/96  
Munmun Jha, *Cultural and Economic Responses to Deprivation: The Scheduled Castes of Karnataka*, Institute of Social and Economic Change, Bangalore, 27/1/97 to 28/1/97  
Pratima Kamat, *13" All India Women's Educational Conference*, Hyderabad, 9/8/96 to 10/8/96  
Pratima P. Kamat, *Civil Code in Goa*, Goa, 15/5/97 to 17/5/97  
Pratima Kamat, *Workshop on Women's Studies Centres*, TISS, Mumbai, 25/11/96 to 26/11/96  
Shaila DeSouza, *Emerging Socio-Political Scenario - Challenges, Issues*, Goa, 14/11/96 to 18/11/96  
V. Shivkumar, *Emerging Trends in Judo-Latin American and Caribbean Relations*, Goa Univesity, Goa, 20/3/97 to 21/3/97

**3.2.6 (a) Publications (Research Articles): (Name of Teacher, Title, Journal, Volume,(or Title of Book & Publishers) Month/Year)**

- K.M. Mathew, *Dutch Threat and the Security of the Portuguese Carreira in Indian Waters, Proceedings of the International Seminar on Indo-Portuguese History, Lisbon, July, 1997*  
Pratima P. Kamat, *Critica a algumas das principais quesstoas desenvolvimento da Goa de Flak., Historias de Goa edited by Rosa Maria Pires, Lisbon, pp.125 - 145, 1997*  
N. Shyam Bhat, *Police System in South Kanara 1799 - 1862, Proceedings Volume of Indian History Congress, 1997*  
N. Shyam B hat, *Agrarian System in South Kanara 1799-1862, The Karnataka Historical Review, Vol. XXXVI, Sept., 1996*  
Ujjayan Bhattacharya, *The Portuguese Maritime Strategies and Options in Eastern Indian Ocean Region 1515-1526, Proceedings Volume of Indian History Congress, 1997*  
A. V. Afonso, *Reasoning about Reasoning: A Search for a Philosophical Method, Journal of Social Sciences, No.4, 1996*  
Archana Kakodkar, *Area Study of Latin American in India, With Special Reference to Goa, Boletim Institute Menezes Braganza, Special Number, 1997*  
Archana Kakodkar, *"Breaking the Language Barrier: Machine Translation Comes to Age", in Library and Information, R.G. Prasher (ed.), Concept Publishing, 1997*  
Pranab Mukhopadhyay, *Sustainable Development: A view from the ground, in Economic Development and Basic Needs, Indian Social Institute, New Delhi, 1997*

**(b) Publications (Books): (Name, Title of Book, Publisher, Year).**

- A. Fernandes, *Cabinet Government in Goa 1961 - 1993*, Maureen and Camvet Publishers Pvt. Ltd., Panaji Goa, April'97  
A.H. Doctor, *Political Thinkers of Modern India*, Mittal Publications, New Delhi., 1997

### 3.2.7 Ph.D. degrees conferred during the year: (Name of Candidate, Subject, Title of the thesis)

**Dilip Kumar**, History, *History of Police in Goa.*

**Milan Desai**, Philosophy, *Critical Study of Karl Popper's Theory of Falsificationism: A Semantic Approach*

**Maria Emilia Menezes**, Philosophy, *Reinterpreting J. Krishnamurti: Towards A Comprehensive Theory of Education.*

**Nishta Tombat**, Sociology, *Tristao Braganca Cunha (1891-1958) and the Rise of Nationalist Consciousness in Goa.*

**Aureliano Fernandes**, Political Science, *Cabinet Government in Goa since Liberation 1961-1993.*

### 3.2.9 Any other information:

- (1) N. Shyam Bhat - Visited Portugal during May-August, 1996 under the research fellowship of Calouste Gulbenkian Foundation, Lisbon.
- (2) C. A. Tomy and Milan Desai were conferred **Ph.D.** Degrees.
- (3) Dalbir Singh won the first prize of Government of Panama's Omar Torrijos Award
- (4) Pradhan (Ph.D. student) received second prize in Rogelio Sinan Contest 1997 organised by the Embassy of Panama in India.

## 3.3 Faculty of Natural Sciences

### 3.3.0 General Information regarding faculty: (Departments and Degrees)

Department of Chemistry:(M.Sc., Ph.D.)

Department of Computer Science and Technology: (M.C.A., Ph.D.)

Department of Geology: (M. Sc., Ph.D.)

Department of Mathematics (M.Sc., M.Phil, Ph.D.)

Department of Physics: (M.Sc. Physics; M.Sc. Electronics, M.Phil., Ph.D.)

University Science Instrumentation Centre: (Servicing and maintenance Centre with 3 workshops : Electronics, Mechanical and Glass Blowing).

### 3.3.1 List of Teaching Staff: (Name, Qualifications, Designation)

#### Department of Chemistry

**V.N. Kamat Dalai, Ph.D., Professor & Head**

**J.K. Kirtany, Ph.D., Reader**

**B.D. Desai, PhD, Reader**

**J.S. Budkuley, Ph.D, Reader**

**K.S. Rane, Ph.D., Reader**

**J.B. Fernandes, Ph.D, Reader**

**S.P. Kamat, Ph.D, Reader**

**V.P. Kamat, PhD, Lecturer**

**A.V. Salkar, Ph.D, Lecturer**

**S.G. Tilve, Ph.D, Lecturer**

**B. Das Gupta, Ph.D, Lecturer**

**B.R. Srinivasan, Ph.D, Lecturer**

**N. Chandrashekhar, Ph.D, Lecturer**

**R.N. Shirsat, Ph.D, Lecturer**

**V.S. Nadkarni, PhD, Lecturer .**

#### Department of Computer Science and Technology

**P.R. Rao, Ph.D., Reader & Head**

**V.V. Kamat, PhD, Reader**

**S.A.M. Rizvi, Ph.D., Lecturer**

**Jyoti D. Pawar, M.C.A., Lecturer**

**Yma Pinto, M.C.A., Lecturer**

**Ramdas N. Karmali, M.C.A., Lecturer**

**S. Baskar, M.Sc., Lecturer**

#### University Science Instrumentation Centre

**Gaurish M. Naik, Ph.D., Head**

**Rajendra S. Gad, M.Sc., Technical Officer**

## Department of Geology

A.G. Dessai, PhD, *Professor & Head*  
P.S. Raikar, Ph.D, *Reader*  
K. Mahender, Ph.D, *Reader*  
A.G. Chachadi, Ph.D. *Lecturer*  
T.A. Vishwanath, Ph.D, *Lecturer*

## Department of Mathematics

Y. S. Prahalad, Ph.D., *Professor & Head*  
A. J. Jayanthan, Ph.D., *Reader*  
Y. S. Valaulikar, M. Phil, *Lecturer*  
A. N. Mohapatra, Ph.D., *Lecturer*  
R. K. Panda, Ph.D., *Lecturer*

## Department of Physics

P.R. Sarode, Ph.D. *Professor & Head*  
J.A.E. Desa, Ph.D, *Reader*  
G.R. Bhat, Ph.D., *Reader*  
G.M. Naik, Ph.D, *Reader*  
Uma Subramanian, Ph.D, *Lecturer*  
R.B. Tangsali, Ph.D, *Lecturer*  
S.D. Deshpande, Ph.D, *Lecturer*  
R.V. Pal, Ph.D, *Lecturer*  
R. K. Kamat, M. Phil., *Lecturer*  
P.K. Choudhury, Ph.D, *Lecturer*  
R.B. Prabhu, Ph.D, *Visiting Professor*

### 3.3.2. Highlights of the research activities:

#### Department of Chemistry

Preparation, synthesis and characterization of ternary compounds either by ceramic method or precipitation method having superconducting properties.

Synthesis, characterization and study of physical properties of mixed transition metal chalcogenides in vacuum of the order of  $10^{-6}$  min of Hg. The renewed interest in this field has arisen because of abnormal properties exhibited by them.

Catalytic Amination of t-Butyl alcohol over modified ZSM-5 catalysts.

Enrichment of low grade ores.

Natural products, identification of medicinal active plants and their bio-degradation.

Isolation & characterization of bio-active compounds from medicinal plants.

Synthesis of bio-active natural products.

Development of Charge models for the study of intermolecular interactions.

#### Department of Computer Science and Technology

Graph algorithms, object oriented concepts, Data mining, data warehousing, application of Compiler optimisation technique in solving y2k problem, capturing casualty events in distributed computing, motion control in Computer animation, Computer aided geometric design, Virtual reality, Measurement of software complexity, routing and security related areas of computer networks.

#### Department of Geology

Petrology of mafic and ultramafic complexes along the coastal belts between Goa and Northern Karnataka with a view to understanding the economic potential of the chromite ores in these rocks.

The nature and composition of the lower crust and the upper mantle beneath the Deccan traps.

Statistical modelling and evaluation of mining property from North Goa.

Sedimentologic and stratigraphic analysis of Mesozoic carbonate sequence of Western India. Paleogeographic reconstruction and sedimentation history.

Microfacies study of Pleistocene carbonate rocks of Saurashtra for documenting sea level and palaeoclimatic variations.

Ground water model studies involving sea water intrusions in the coastal aquifers and mining impacts on ground water environment.

Investigations on rural drinking water supplies, resources augmentation, water conservation and artificial recharge.

#### Department of Mathematics

The Department of Mathematics has been engaged in research broadly in both pure Mathematics and Mathematical Physics. During the year under consideration the department continued investigating the



properties of Measurable Bundle of Operator Algebras supporting a group action with a view to understand the behavior of Quantum Spin Glasses. The entire structure has been worked out and will form a part of a Ph.D. thesis. The departmental interest in Topology has been centered around problems in Knot Theory and its relation to other branches of Analysis and Operator Algebras. There has been some progress achieved in the study of ordinary differential equations with piece-wise continuous deviating arguments. The theory of Elliptic Partial Differential Equations with non-linearities is also being actively investigated. One area in Mathematical Physics which research has been initiated is the inverse spectral problem of Schroedinger Operators. Due to the very nature of the problem being investigated progress is slow as expected.

## Department of Physics

Electical and structural properties of thallium based 123 superconducting oxides have been studied using XANES and EXAFS. It has been shown that in these materials the trivalent thallium ions play an important role and that L I absorption rather than L III is useful in characterization of valence states of thallium in these superconducting oxides Tc of the order of 125 K.

Magnetic inelastic neutron scattering studies have been carried out at BARC, Bombay at very low temperatures on various cerium intermetallics in order to examine the magnetic excitations and crystal field effects.

The structures of nuclear waste glasses have been examined by neutron and X-ray diffraction. In order to understand the role of heavy elements in these glasses, a series of rare-earth oxides in an alternative host of phosphorous pentoxide has been prepared. Initial characterization by X-rays has been made but a more complete understanding awaits neutron diffraction, magnetic susceptibility, dielectric and other measurements.

Use of the density matrix renormalization group to study the quantum transition that occurs in the half filled one dimensional fermionic Hubbard model with onsite potential disorder has been made.

Monte Carlo simulation of neutron scattering of glasses

Thermoluminescence studies of high Tc superconducting studies.

Preparation of porous silicon by irradiating different samples of amorphous silicon with high energy Ag ion is being carried out.

Setting up and commissioning a campus wide local network connecting the three faculty blocks

## University Science Instrumentation Centre

The Centre is engaged in research and developmental activities in the areas like biomedical transducers, instruments and opto-electronics. The Centre has already developed instrumentation for Zoology Department for stimulation of nervous systems. Work is in progress to develop full experimental set-up for stimulation of nervous systems at different potentials and intervals and also to measure the reaction of nervous systems.

### 3.3.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

**Dr. B.G. Hajra**, NCL, Pune, *Development of New Reagents and their Applications in Natural product synthesis*, 12/8/96

**Prof. M.S. Hegde**, I.I.Sc., Bangalore, *Electron states of solids by x-ray Photoelectron Spectroscopy*, 30/8/96

**Dr. S.D. Likhite**, TIFR (Retd), Bombay, *Demonstration lectures on working of some Magnetic susceptibility measurement unit*, 12/9/96 & 13/9/96

**Prof. G.I. Marchuk**, Russian Academy of Science, Moscow, *Conjugate equations and Analysis of complex and Mathematical system*, 25/9/96

**Dr. Jonathan Crane**, University of Hull, U.K., *The ligand design for transition metal co-ordination*, 20/1/97

**Dr. Najmul Hasan**, Osmania University, (1) *Three Body Problem* & (2) *Clifford Algebras*, 12/9/96 & 13/9/96

**Dr. K. N. Shankar**, National Aeronautical Laboratory, *Mathematics of Flows in Cells*, 5/10/1996

**Prof. Vinod Krishan**, I.I.A., Bangalore, *Plasma Processes in Quasars*, 24/07/96

**Prof. M.S. Hegde**, I.I.Sc., Bangalore, *Electron State of Solids XPS*, 30/08/96

**Prof. S.K. Kulkarni**, Poona University, *Nanocrystalline Solids*, 2/09/96

**Dr. A.V. Pimpale**, I.U.C., Indore, *Synchrotron Radiation Research*, 3/09/96

**Dr. S.M. Chaudhari, I.U.C., Indore, Instrumentation for INDU6-1 beam Line, iii:IIU**  
**Prof. D.D. Sarma, I.I.Sc., Bangalore, Electronic Structure of Perovskite - like Oxides, 6/09/96**  
**Dr. Carlo Dias, Universidade Nova Lisboa, Portugal, Physics of Dielectric, 6/02/97**  
**Dr. S.K. Mendiratta, University of Aveiro, Portugal, Electric and Magnetic Properties of Rare-Earth Glasses as a Probe of Glass, 26/03/97**

**3.3.4 Sponsored Research Projects sanctioned in 1996-97 (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)**

T.A. Vishwanath, *Geochemistry of the Joida Ultramafic complex, Uttara Kannada Dist., Karnataka, April, 1997, DST, New Delhi, 5,14,000/-*  
P.R. Sarode, R.B. Prabhu, V.N. Kamat Dalal, *Study of Electrical and Magnetic Properties of Ni-As type Transition Metal Chalcogenides, 31/08/96, CSIR, New Delhi, 3,44,200/-*  
J.A.E. Desa, *Structure of Rare-Earth Oxides Glasses, 10/03/97, /UC - DAEF, Indore, 70,000/-*

**3.3.5 Seminars/Conferences/Workshops, etc.**

**(a) Organized:** (Theme, Dates, Funding Agency, Name of Department)

*A National Level Workshop on Radiochemistry & Applications of Radioisotopes, 18 /11/96 to 27 /11/96, Chemistry and Goa College of Pharmacy.*  
*g<sup>h</sup> Group Monitoring Workshop, 28/11/96 to 30/11/96, DST, New Delhi, Geology*  
*8<sup>th</sup> Refresher Course in. Physics, 20/8/96 to 10/9/96, UGC, Physics*  
*V<sup>th</sup> Refresher Course in Physics, 2/1/97 to 22/1/97, UGC, Physics*  
*Infofest 97, 15/1/97 to 17/1/97, Various organizations and institutions, Computer Science and Technology*

**(b) (i) Attended Seminars/Conference:** (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

A.V. Salkar, Indian Institute of Petroleum, Dehradun, 2/4/97 to 4/4/97, *Catalytic reduction of No, with NTI<sub>3</sub> over M-ZSM-5*  
V.P. Kamat, Indian Institute of Chemical Technology, Hyderabad, 27/9/96 to 28/9/96, *Selenium dioxide oxidation of 4,4,7- Tri methyl tetralone formation of Noval Divitzyl disalinide*  
A.G. Chachadi, *National Seminar on Hydrogeology of Pre-cambrian Terrain, Karnataka University, Dharwad, 12/2/97 to 14/2/97, (i) Impact of agricultural modernization on rural drinking water supplies in India. (ii) Aquifer paranzeterisatiotz under variable discharges using open well test data.*  
K. Mahender, *National Symposium of Recent Researchers on Sedimentary Basins of India and XIII Convention of IAS, Banaras Hindu University, Varanasi, 28/10/96 to 30/10/96, Geochemical Discrimination of Carbonate rocks - A study of selected carbonate sequences of India Using Discriminant Analysis.*  
K. Mahender, *International Seminar on Quaternary Sea-level variation, coastline displacement & Coastal Environment, Tamil University, Thanjavur, T.N., 20/1/97 to 26/1/97, - Pleistocene Climate and Sea Levels - A study of the microfacies characteristics of Carbonate Aeolianites (Miliolitic Limestone) of Sauraslhztra Coast, Gujarat.*  
P.R. Sarode, *School on Science with Synchhrotron Radiation (Indo-Japanese Meet), IUC, Indore, 10/11/96 to 15/11/96, EXAFSS of Catalysts.*  
J.A.E. Desa, *International Conference on Physics of Disordered Materials, Jaipur, 27/1/97 to 29/1/97, Structures of simulated Radioactive Waste Glasses.*

**(b) (ii) Attended Workshops:** (Name of Teacher, Theme of Workshop, Place, Date)

**R.N. Shirsat, 27<sup>th</sup> National Workshop on Radiochemistry and Applications of Radioisotopes, Panaji Goa, 18/11/96 to 27/11/96.**  
**G.R. Bhat, Internet the Road ahead, Goa, 6/2/97 to 7/2/97**

Rajendra Gad, *Environment Management System ISO 14000*, Goa, 2/7/1997  
V.P. Kamat, *National Symposium on Frontier Areas in Organic Chemistry*, Poona University, Pune, '14 /2/ 97 to 15 /2/97.  
A. J. Jayanthan, *Topology and Geometry*, Indian Institute of Science, Bangalore, 17/12/96 to 24/12/96  
A. N. Mohapatra, *Analysis and Probability*, Indian Statistical Institute, New Delhi, 1/1/97 to 3/1/97  
A. N. Mohapatra, *Operator Algebras*, Indian Statistical Institute, Madras, 6/1/97 to 11/1/97  
R. K. Panda, *Nonlinear Differential Equations and Applications*, Tata Institute of Fundamental Research, Bangalore, 19/8/96 to 23/8/96  
P. R. Rao, *High Speed Computer Networks (from LANS to ATM)*, I.I.T., Madras, 9/8/96 to 10/8/96.  
P. R. Rao, *Emerging Trends in Object Technology*, I.I.T., Madras, 3/2/97 to 7/2/97.

3.3.6 (a) **Publications (Research Articles):** (Name of Teacher, Title, Journal, Volume, Month/Year)

V.N. Kamat Dalai, P.R. Sarode & Tushar Anvekar, *Solid State Physics*, **DAE**, 39(c), 1996  
J.S. Budkuley & G.K. Naik, *Synthesis, Characterization, Spectral and Thermal Properties of Metal-hydrazinium nitreolotriiaacetate.*, **Thermal Analysis**, **48**, 1997  
N. Chandrashekhar, D. Ramaiah, A. Joy, N.V. Eldho, S. Das & M.V. George, *Haloogenated Squaraine Dyes as Potential Photochemotherapeutic Agents: Synthesis and Study of Photophysical Properties and Quantum Efficiencies of Singlet Oxygen Generation*, **Photochem Photobio.**, **65(5)**, 1997  
N. Chandrashekhar, D. Ramaiah & A. Joy, *Squaraine Dyes as Photochemotherapeutic Agents: synthesis and Photophysical studies of Halogenated Squaraine, Dyes.*, **Proceeding of the 11<sup>th</sup> International Conference on Photochemical Conversion and Storage of Solar energy**, 1996  
R.N. Shirsat, E.D. Jemmis, G Subramanian, G.N. Sastry & G. Mehta, *Molecular electrostatic potential topographical Studies on the structural motifs of C<sub>60</sub>*, **Chem.Soc.**, **2,2343**, 1996  
V.S. Nadkarni & S.D. Samant, *Development of indigenous APADC films for nuclear track detection*, **Radiation Measurements**, **25(6)**, 1996  
A.G. Dessai, *Geochemistry of the mantle beneath the Deccan Traps, south of Bombay*, **Gondwana Geological Magazine**, **Spl. Vol.2**, pp.201 - 212, 1996  
K.Mahender, *Stratigraphy and Sedimentology of the Middle Jurassic (Callovo-Oxfordian) Sequence of Habo Hill, Kutch (Gujarat)*, **Journal of Indian Association of Sedimentologies**, **Vol. 16**, **No.1**, pp. 103 - 110, 1997  
K.R. Priolkar, R.B. Prabhu, P.R. Sarode, M.N. Rao, S.K. Paranjpe, P.Raj & A. Sathyanirthy, *Magnetic Spectral Response of Cerium Based Kondo Systems*, **Solid State Communications**, **101**, 825 - 829, 1997  
A. N. Mohapatra & K. B.Sinha, *Spectral Shift Functions and Trace Formula for Unitaries*, **Int. Equations and Op. Theory**, **Vol. 24**, pp. 285-297, 1996

3.3.8 **Ph.D. degrees conferred during the year:** (Name of Candidate, Subject, Title of the thesis)

**V.V. Kamat**, Computer Science & Technology, "*Automatic motion Synthesis of articulated figures for Computer animation*".  
**Ms. Anjali Chhikara**, Physics, *Physical Properties of Superconducting Oxides*  
**Anthony Joseph**, Physics, *Analysis of the performance of a pressure transducer for sea level measurement*

3.3.9 **Any other information:**

- 1) B. R. Srinivasan was awarded a DAAD fellowship sponsored by German Academic Exchange service to attend the 31<sup>st</sup> International Seminar for Research and Teaching in Chemical Engineering and Physical Chemistry at the University of Karlsruhe, Federal Republic of Germany from 2<sup>nd</sup> May 1995 to 31<sup>st</sup> July, 1996.
- 2) V.V. Kamat was awarded SERC Visiting Fellowship to visit CAIR, Bangalore from 18<sup>th</sup> November, 1996 to 4<sup>th</sup> February, 1997.

3) P.R. Sarode was honoured with Fellowship of Maharashtra Academy of Sciences on October 28, 1996.

### 3.4 Faculty of Life Sciences & Environment

#### 3.4.0. General Information regarding faculty: (Departments and Degrees)

Department of Botany: (M. Sc., Ph.D.)

Department of Marine Science and Marine Biotechnology: (M.Sc., Ph.D.)

Department of Microbiology : (M. Sc., Ph.D.)

Department of Zoology: (M.Sc., Ph.D.)

The faculty also offers an M. Phil in Environmental Sciences.

#### 3.4.1 List of Teaching Staff: (Name, Qualifications, Designation)

##### Department of Botany

**D.J. Bhat**, PhD, *Professor & Head*

**P.K. Sharma**, Ph.D, *Reader*

**B.F. Rodrigues**, PhD, *Lecturer*

**M.K. Janarthanam**, PhD, *Lecturer*

**V.U. Kerkar**, Ph.D, *Lecturer*

##### Department of Marine Science and Marine Biotechnology

**U.M.X. Sangodkar**, Ph.D, *Professor & Head*

**G.N. Nayak**, Ph.D, *Professor*

**C.L. Rodrigues**, PhD, *Reader*

**P.M. Reddy**, PhD, *Reader*

**H.B. Menon**, Ph.D, *Lecturer*

**S. Upadhyay**, Ph.D, *Lecturer*

**S.C. Ghadi**, PhD, *Lecturer*

**S.S. Kerkar**, M.Sc, *Lecturer*

**U. Barros**, PhD, *Lecturer*

**U.D. Muraleedharan**, Ph.D, *Lecturer*

**V.M. Matta**, Ph.D, *Lecturer*

**C.U. Rivonkar**, Ph.D, *Lecturer*

**J. Coelho**, M.Sc, *Lecturer*

##### Department of Microbiology

**S. Mavinkurve**, Ph.D., *Professor & Head*

**J. D'Souza**, Ph.D., *Reader*

**Dr. S. Dubey**, PhD, *Reader*

**I. Furtado**, Ph.D., *Lecturer*

**S. Bhosle**, Ph.D., *Lecturer*

**S. Nazareth**, Ph.D., *Lecturer*

##### Department of Zoology

**A.B. Shanbhag**, Ph.D, *Reader & Head*

**P.V. Desai**, PhD, *Reader*

**I.K. Pai**, PhD, *Lecturer*

**S.K. Shyama**, Ph.D, *Lecturer*

**R. Roy**, M.Sc, *Lecturer*

#### 3.4.2. Highlights of the research activities:

##### Department of Botany

Biodiversity of fungi and higher plants

Use of endomycorrhizae in plant growth and phytorehabilitation of mining areas.

Effect of photoradiation on crop plant growth.

Floristics of marine algae and ferns along the west coast of Goa State.

##### Department of Marine Science and Marine Biotechnology

Molecular Biology of Biodegradation of hazardous oil pollutants in marine microorganisms.

Cloning and expression of genes from marine organisms in E.Coli.

Production of bioactive alkaloids from medicinal plants by plant tissue culture.

Worked on siltation rate within Mayem lake using self designed sediment trap. Also proved anthropogenic influence on rate of sedimentation in the recent years.

Successfully developed a Radiative Transfer Model (GURTRAM - Goa University Radiative Transfer Model) to simulate the radiances received by a sensor operating in the visible part of Electromagnetic Radiation (EMR). The geochemical behaviour of aluminium in estuarine waters has been studied and an adsorption - desorption model developed to understand estuarine geochemistry of aluminium globally.

Microbial biodegradation of aromatic compounds.

Agarolytic bacteria.

Antibiotic production by a marine streptomyces sp.

Study of SRB's from Halophilic environments.

Initiated work into "Study of Bio-active compounds from the sea" with special reference to marine toxins in coelenterates along Goa coast.

Attempts to set up Animal Tissue Culture of marine system.

Characterization and purification of a fungal xylomase was carried out successfully.

An agarase enzyme from a marine agarolytic bacterium was characterized and its application in genetic engineering established.

Studies on elemental composition of sea weeds with special reference to Goa Coast. An empirical mass balance equation for the decomposition of organic matter has been derived. Studies were also carried out on the extent of accumulation of trace metals in organism with references to age, ambient medium cone sex, position of the algae were also discussed.

Macrofaunal density along Lakshadweep islands.

Feeding efficiency and role of enzymes in prawns.

Isolation of chitin degrading bacteria from prawn exoskeleton.

## Department of Microbiology

Microbial Bioconversion: Microbial transformation/degradation of sesquiterpenses lignin and biopolymers: biochemistry and applications.

Microbial Biodiversity: (1) Edible mushrooms of Goa. (2) Mangrove ecosystems. (3) Geomicrobiology

Extremophilic Microorganisms: (1) Halotolerant and Halophilic cyanobacteria and bacteria. (2) Alkalophiles

Molecular Biology: Luminescence

## Department of Zoology

**A.B.S.:** Is involved in research on wetland biology pertaining to major freshwater lakes of the state. Based on a year long study has documented detailed information on one of the active heroneries of the state which happens to be the first heronery reported to the Indian heronery data compiled at Bangalore.

**P.V.D.:** Is engaged in electrophysiological studies of bivalves and amphibians. He is also carrying out survey of Amphibian fauna of Goa.

**I.K.P.:** Is studying Insect pests of Paddy in Goa and zooplankton from Andaman, in collaboration with NIO.

**S.K.S.:** Is carrying our research work in the area of applied ornithology with respect to bird-pests of the agricultural crops of Goa such as oil palm, paddy, cashew and maize.

**R.R.:** Is addressing the problems pertaining to environmental biochemistry, with reference to membrane lipid structure and function. He is also engaged in work pertaining to "maintenance of good health" through nutrition with respect to fatty acids and their metabolism.

### 3.4.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

**Dr. N.Parthasarathy,** Salim Ali School of Ecology, Pondicherry University, *Tropical Dry Evergreen Ecosystem: Distribution, Diversity and Dynamics*, 15/1/97

**Dr. Michael Dreyfuss,** Sandoz Pharma Ltd., Basel Switzerland, *Pharmaceutical Industry and drug discovery: what these have to do with wondering in the tropics*, 20/11/96

**Prof. B.P.R. Vithal,** Centre of Advanced Study in Botany, University of Madras., *Microbial Pollution of Atmosphere*, 7/8/97

**Dr. S. Raghukumar,** National Institute of Oceanography, Dona Paula, Goa, *Microbial diversity & significance of germ plasm collection*, 14/3/97

**Dr. S.M. Reddy**, Kakatiya University, Warangal, *Single cell protein - it's potential and Biological Control-perspective*, 14/3/97

**Dr. Subash Sawant**, National Institute of Oceanography, Goa, *Marine Biofouling*, 15/3/97 **Dr. Leela Bhonsale**, Shivaji University, Kolhapur, *Ecophysiology of Mangroves*, 15/3/97 **Dr. Shanta Kuty**, National Institute of Oceanography, Goa, *DNA - finger printing and its applications*, 15/3/97

**Prof. S.K. Saidapur**, Karnataka University, *Ovarian follicular development in Mammala*, 26/3/97

**Prof. H.A. Ranganath**, Mysore University, *Genetic Maps*, 26/3/97

**Prof. S.K. Saidapur**, Karnataka University, *Ovarian Steroidogenesis*, 27/3/97

**Prof. H.A. Ranganath**, Mysore University, *Evolution of Darwinism*, 27/3/97

#### 3.4.4 Sponsored Research Projects sanctioned in 1996-97 (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)

D.J. Bhat, *Investigations on Fungus Bio-control Agents of mosquito vectors of malaria, filaria and J.E. in Goa.*, 31<sup>st</sup> October, 1996, ICMR, New Delhi, Rs. 8 lakhs

M.K. Janarthanam, *Survey, Study Collection and Documentation of Plant Diversity of Goa*, 7<sup>th</sup> May, 1996, Goa State Dept. of Science & Technology, Rs. 3,48,400/-

A.B. Shanbhag, *Limnological studies on Carambolim lake (Corlim, Goa) with special reference to the life of waterfowl*, 26/7/96, UGC, 25,000/-

P.V. Desai, *Survey of Amphibian and Reptilian fauna of Goa*, 16/2/97, Leicester University, U.K., 4,00,000/-

S. Mavinkurve, *Manpower Development, "Marine Microbiology"*, 1996-1999, DOD, 5.00 lakh

S. Mavinkurve, *"Survey & identification of edible mushrooms of Goa and assessment of the cultivation potential"*, 1996-1998, GOA, DST, 0.36 lakh

S. Mavinkurve, *Strengthening of Training & Research in Microbiology"*, 1997-2000, DBT, 35.00 lakh

I Furtado, *Use of halophilic microorganisms to convert fish waste and trash fish into fish sauce"*, 1996-99, GOA DST, 2.00 lakh

I Furtado, *"Response of halophilic archebacteria to chemical stress;"*, 1997-2001, ICAR, 14.00 lakh

#### 3.4.5 Seminars/Conferences/Workshops, etc.

##### (a) Organized: (Theme, Dates, Funding Agency, Name of Department)

*Recent Advances in Plant Sciences*, 14/3/97 to 15/3/97, Goa University, Botany

*Exhibition on Medicinal Plants of Goa*, 14/3/97 to 15/3/97, Ministry of Environment & Forest, Govt. of India, Botany

*Conversation of Medicinal Plants of Goa*, 22/3/97, Ministry of Environment & Forest, Govt. of India, Botany

*Refresher Course in Life Sciences (Zoology) on "Advancing Frontiers of Animal Sciences"*, 10/1/97 to 30/1/97, UGC - ASC of Goa University, Department of Zoology

*"Development and use of Biofertilisers"*, 25/3/97 to 27/3/97, Regional Biofertilizer, Nagpur, Microbiology and Department of Agriculture, Govt. of Goa

*Teachers training in "Industrial Microbiology"*, 20/1/97 to 31/1/97, U.G.C., New Delhi, Microbiology

##### (b)(i) Attended Seminars/Conferences: (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

D.J. Bhat, KFRI, Peechi Trichur, Kerala, 5/5/97 to 8/5/97, *Newer techniques for rapid isolation of fungi from organic substrates.*

G.N. Nayak, *International Symposium on Geology of Indian Ocean*, N.I.O., Goa, \*Oct., 1996, *Factors controlling suspended sediment load in tropical estuaries, Goa, Central West Coast of India.*

H.B. Menon, *International Conference in Ocean Engineering, I.I.T.*, Madras, 17/12/96 to 20/12/96, *Wave directional spectrum from array measurements.*

- U.M.X. Sangodkar, 5<sup>th</sup> National Science Symposium in Hindi, N.I.O., Goa, \* Nov., 1996, *Cloning and Expression of proline biosynthetic genes from marine microorganisms to E.Coli*. Page 7 M. Bharadwaj & UMX Sangodkar.
- U.M.X. Sangodkar, 37<sup>th</sup> Annual Conference of Association , I.I.T., Chennai, \* Dec., 1996, (1) *Expression of genes from A. haloplanktis 214A Marine bacterium into E.Coli* pg.33. M. Bharadwaj. (2) *Conversion of Quinoline to 2-Hydroxy quinoline by a marine bacterium*. Pg. 70. J. Coelho (3). *Distribution and Hydrocarbon degrading potential of marine bacteria in the Bay of Bengal* Pg. 175 J. Rodrigues J. Coelho.
- U.M.X. Sangodkar, *Natinal Symposium on emerging trends in Plant Tissue Culture and molecular Biology*, Osmania University, Hyderabad, \* Jan., 1997, *Callus optimization for alkaloidal constituents of some medicinally important members of Asclapeadecia family*. Pg. 68 L.H. Bhosle, P.S. Laxmi, U. Patil, M. Joshi
- A.B. Shanbhag, *National Symposium on Vertebrate Reproduction*, Karnatak University, Dharwar, 29/10/96 to 31/10/96, *On the suitability of neonatally andmgenical rat as the model for polycystic ovarian disease*.
- A.B. Shanbhag, *Pan-Asia Ornithological Congress & Birdlife Asia Conference*, Coimbatore, 9/11/96 to 16/11/96, *Bird life at Santa Monica lake (Corlim Goa): an ecological study*.
- I.K. Pai & Sameer T, *National Symposium on Environmental Mutagens, Pollutants an their Biological Effects*, Hyderabad, 6/2/97 to 8/2/97, *Zooplankton as bioindicator*
- S.K. Shyama, *National Symposium on Agricultural Ornithology*, Baroda, 20/1/97 to 21/1/97, *Bird-pests of paddy (Oryza sativa) in Goa*.
- I Furtado, *International symposium on Cyanobacterial Biotechnology*, Trichy, 8/9/96 to 9/9/96, (1) "*Bioremediation of mining reject soil using cyanobacterial consortium*" (2) *Biosedimentation of mine tailings by Cyanobacterial consortium*
- S. Nazareth, *Current Trends in Biochem and biotechnology of fungi*, Osmania Univesity, Hyderabad, 25/10/96 to 26/10/96, *Effect if pigment production on metal tolerance and sorption by Fusariunz solani*

(b) (ii) **Attended Workshops:** (Name of Teacher, *Theme of Workshop*, Place, Date)

- B.F. Rodrigues, *Advances in Plant Molecular Biology*, Osmania University, Hyderabad, 1/8/97 to 19/8/97
- B.F. Rodrigues, *Mined Area Rehabilitation*, N.I.O. Dona Paula, Goa, 21/1/97 to 22/1/97
- B.F. Rodrigues, *Project Monitoring Workshop*, CSIR, New Delhi, 26/2/97
- B.F. Rodrigues, *Project Monitoring Workshop*, NBRI, Lucknow, 26/3/97 to 27/3/97
- G.N. Nayak, *Marine Scftfety Workshop on "Off Shore management system."*, Hotel Solmar Panaji, 18/3/97
- G.N. Nayak, *Environment Management "Environment management of Goan iron ores"*, IBM Scientists, Ponda, 8/4/97
- A.B. Shanbhag**, *DST Sponsored Workshop on Methods in Behavioural Ecology*, CES, IISc, Bangalore, 7/10/96 to 19/10/96
- P.V. Desai, *Conservation assessment and Management plan for Amphibians*, Bhubaneshwar, 22/4/97 to 26/4/97
- I.K. Pai, *Inter-agencies workshop*, N.I.O., 17/1/97 te 18/1/97
- S.K. Shyama**, *Recent techniques inClinical Cytogenetics and Human Molecular Genetics*, **GND** University, Amritsar, 16/10/96 to 3/11/96

3.4.6 (a) **Publications (Research Articles):** (Name of Teacher, *Title*, **Journal**, **Volume**, Month/Year)

- B.F. Rodrigues**, *Occurrence of vesicular abascular inycorrhizal fungi in the tubers of Peuraria tuberosa (Willd.) DC.*, **Mycorrhiza News**, **8(2): 9**, 1996
- B.F. Rodrigues**, *Vegetation survey of iron ore mines at Orasso Dongo iron ore mines (Goa)*, **J.Eco. & Tax. Bot.**, **20(2): 251-259**, 1996
- B.F. Rodrigues**, *Vegetation survey of iron ore mines at Sanquelim Goa*, **J.Eco. & Tax.Bot.**, **20(2): 271-282**, 1996
- B.F. Rodrigues**, *Survey for potential tree speies for vegetation of iron ore mine waste/lands of Goa*, **I.J. Forestry**, **19(3); 289-292**, 1996

- S.S. Bukhari & G.N. Nayak, *Clay minerals as path finders of sediment source in Manaovt estuary of Goa*, **Indian Journal of Marine Science**, Vol.25, pp. 341-345, 1996
- G.N. Nayak, *Grain size parameters as indicators of sediment movement around a river mouth near Karwar West Coast of India*, **Indian Journal of Marine Science**, Vol.25, pp. 346-348, 1996
- G.N. Nayak, *Beach dynamism v/s climate changes*, **MAEERS - Coastal Environmental management**, Vol.4 (no.15 & 16) pp. 85-92, 1996
- G.N. Nayak, *Grain size parameters and heavy minerals as indicators of depositional Environment - A case study of beach sediments from Goa*, **Journal of Indian Association of Sedimentologists**, Vol.16 pp. 127 - 139, 1997
- C.U. Rivonkar & U.M.X. Sangodkar, *Macrofaunal density intertidal region of Lakshadweep, Arabian sea.*, **Indian Journal of Fish**, Vol.44, 1997
- I.K. Pai, *Growth Regulators: Application in Sericulture*, **Sci. & Culture**, 62, 1997
- I.K. Pai & S.N. Hegde, *Recial and antogonic variation of esterass enzymes in silkworm Bombyx mori*, **Annals of Entomol**, 14, 1996
- I.K. Pai, *Teaching Sericulture in Universities*, **University News**, 35, 1997
- S.K. Shyama & M. Abdul Rahiman, *Genotoxicity of Lynoral (Ethinyloestradiol, an oestrogen) in mouse bons marrow cells, in viva*, **Mutation Research**, 370, 1996
- R.Roy; Das & Ghosh,D., *Regulation of Membrane lipid bilayer structure during seasonal variation: A study with the brain membranes of Clarias batrichum*, **Biochem. Biophys. Acta**, 1323, 1997
- Sharma, P.K., Shewtye R., and Bhosle S., *Effect of supplementary ultraviolet B radiation on young wheat seedlings*, **Current Science**, 72(6), March, 1997

#### 3.4.7 Consultancy work undertaken:

Department of Marine Science and Marine Biotechnology: Development of Biocides for Sugar Industry. M/s. Siddharth Chemicals - Rs. 30,000/-.

#### 3.4.8 Ph.D. degrees conferred during the year: (Name of Candidate, Subject, Title of the thesis)

**Sanjeev Ghadi**, Marine Biotechnology, *Activation and Expression of silent genes from Pseudomonas Cepacia AC1100*

**Subhash S. Sawant**, Marine Sciences, *Studies of some aspects of antifouling on marine environment* **Mr. Vinit Bandiwalekar**, Zoology, *Histochemical and Biochemical investigations of fowl kidney under the influence of mining effluents*

#### 3.4.9 Any other information:

- (1) P.K. Sharma is awarded Commonwealth Fellowship to visit Rothamsted Experimental Station, U.K. for one year from October 1996 to October 1997.
- (2) I.K. Pai has participated in a Cruise organised by the National Institute of Oceanography, Goa during 16/10/96 to 15/11/96, in the Bay of Bengal and Andaman Sea.
- (3) S.K. Shyama has participated in an Inter-disciplinary CRUISE on "Utilisation of Satellite data on Productivity of Oceans" organised by the National Institute of Oceanography, Goa, during 12<sup>th</sup> to 19<sup>th</sup> December, 1996, in the Indian Ocean

### 3.5 Faculty of Management Studies and Faculty of Commerce

#### 3.5.0 General Information regarding faculty: (Departments and Degrees)

Department of Management Studies: (MMS, Ph.D.) Department of Commerce: ([M. Com.](#), M. Phil., Ph.D.)

Department of Commerce  
GOA UNIVERSITY



### 3.5.1 List of Teaching Staff: (Name, Qualifications, Designation)

#### Department of Management Studies

A. Sreekumar, MBA, *Head*  
A.G. Balasubramanian, MBA, *Reader*  
M.S. Dayanand, MBA, *Lecturer*  
ICshama Fernandes, MMS, *Lecturer*  
Satishkumar, PhD, *Lecturer*

#### Department of Commerce

R.K. Jena, Ph.D, *Professor & Head*  
B. Ramesh, PhD, *Reader*  
Nandakumar Mekoth, Ph.D, *Lecturer*  
K.B. Subhash, *M.Com.*, *Lecturer*  
Guntur Anjana Devi Raju, M.Phil., *Lecturer*

### 3.5.2. Highlights of the research activities

#### Department of Management Studies

A.G. Balasubramanian was involved in a research work on 'Education in Goa' in collaboration with Al Siqueira of the Department of Sociology. The work resulted in a Working Paper.

A. Sreekumar guided one Ph.D student in the area of 'Industrial Violence' and the thesis was submitted in 19c 97.

All faculty members were involved in guiding master's level dissertations. Kshama Fernandes offered proje courses in the area of International Finance and guided 3 master's level dissertations as part of the Proj1 Course apart from guiding regular master's level dissertations.

#### Department of Commerce

B. Ramesh: Research on Evaluation of NBBFCs in India, Employment Pattern of Commerce Post Graduat Consumer Cooperatives in Educational Institutions in Goa is under progress.

K.B. Subhash: Research Work on "A Study of the Significance of Venture Capital and Entrepreneur Development in south India" is in progress.

Guntur Anjana Devi Raju: Research Work on "Mutual Fund Industry in India: An Analysis of Selected Mutua Fund Schemes" has been completed. Research Work on "Mutual Fund Prices and NAV: An Empirical Analsi of Discounts in the Indian Context" is in progress.

### 3.5.5 Seminars/Conferences/Workshops, etc.:

#### (a) Organized: (Theme, Dates, Funding Agency, Name of Department)

*Long Term Training Programme "Small Industries Management Assistants Programme (SIMAP) consisting of 3 modules of Intensive Classroom training (8 weeks), on-the-job training (5 weeks) and debriefing of classroom training (1 week)., August 96 to December 96, Small Industries Development Bank of India., Commerce*

*XX All India Accounting Conference of Indain Accounting Association (IAA), 2/2/97 to 3/2/97, Commerce*

#### (b) (i) Attended Seminars/Conferences: (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

B. Ramesh (Joint), Singapore, \* Nov. 96, *Campus Co-operatives in Educational Institutions in India.*

**B. Ramesh**, Bhubaneswar, \* April 1997, *Post Issue Performance Evaluation of Selected Primary Equity Issues in India.*

B. Ramesh & Anjana Raju, Orissa, \* April 1997, *Performance Evaluation of Mutual Fund Industry in India.*

#### (b) (ii) Attended Workshops: (Name of Teacher, Theme of Workshop, Place, Date)

A.G. Balasubramanian, *Management Education in 21" Century*, ICFA, Hyderabad, 12/8/96 to 13/8/96

M.S. Dayanand, *Service Marketing*, XLRI, Jamshedpur, 3/1/97 to 10/1/97

Kshama Fernandes, *Global Trends in Finance*, AIMA, Mumbai, 31/1/97 to 1/2/97  
Satish Kumar, *Australia - India New Horizons Business Management Workshop*, AIEF, New Delhi,  
29/10/96 to 30/10/96

A. Sreekumar, *Management Research in India*, IIT, Delhi, 14/11/96

B. Ramesh, *Case Study Preparation*, IIPR, New Delhi, organised in Goa., \*Oct.1996

3.5.6 (a) **Publications (Research Articles):** (Name of Teacher, *Title*, **Journal**, **Volume**, Month/Year)

A.G. Balasubramanian, *Alternative Response Item Tests: A New Format*, **Kayakalp**, **1(3)**, Jul-Dec,  
1996

B. Ramesh, *OPCDS Issues of Lloyds Finance Ltd. It is an Equity Kicker.*, **Chartered Secretary**, Oct.  
1996

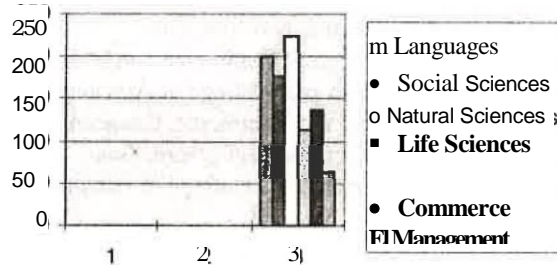
3.5.9 **Any other information:**

(1) A case study competition between visiting team of students from Faculty of Business Administration, Aligarh Muslim University and the students of the Department was held in February, 1997. Executives from the industry, and Professors from Goa Institute of Management, offered critiques.

(2) MMS Part I students won the first Prize in the Paper Presentation contest at S.N.R. Sons School of Management, Coimbatore held in February, 1997. The paper was on 'Information Technology in Management'.

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### Students enrolment in the departments



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## PART 4: AFFILIATED COLLEGES

### 4.0 List of Affiliated Colleges:

#### (a) Non-Professional Colleges:

1. Dhempe College of Arts and Science, Miramar, Panaji, Goa.
2. Smt. Parvatibai Chowgule College of Arts and Science, Margao, Goa.
3. St. Xavier's College of Arts and Science, Mapusa, Goa.
4. S. S. Dempo College of Commerce and Economics, Altinho, Panaji, Goa.
5. Carmel College for Women, Nuvem, Salcete, Goa.
6. Murgao Education Society's College of Arts and Commerce, Zuarinagar, Goa.
7. **Shree Damodar College of Commerce and Economics, Margao, Goa.**
8. **V. N. S. Bandekar College of Commerce, Mapusa, Goa.**
9. Goa Vidyaprasarak Mandal's College of Commerce and Economics, Ponda, Goa.
10. Ponda Education Society's College of Arts and Science, Farmagudi, Ponda, Goa.
11. Naval Academy, I.N.S. Mandovi, Verem, Goa.
12. Cuncolim Education Society's College of Arts and Commerce, Cuncolim, Goa.
13. Government College of Arts, Science and Commerce, Sanquelim, Goa.
14. **Goa College of Home Science, Campal, Panaji, Goa.**
15. Government College of Arts, Science and Commerce, Khandola, Marcela, Goa.
16. Government College of Arts, Science and Commerce, Quepem, Goa.
17. Rosary College of Arts and Commerce, Navelim, Goa.
18. Saraswat Vidyalaya Society's College of Commerce and Management Studies, Mapusa, Goa.
19. Xarerian Educational Society's Fr. Agnel College of Arts and Commerce, Pilar, Goa.
20. Shree Mallikarjuna College of Arts and Commerce, Canacona, Goa.
21. **Government College of Arts and Commerce, Pernem, Goa.**
22. Zantye Brothers' Educational Foundation's College of Commerce, Bicholim, Goa.

#### (b) Professional Colleges

23. Goa College of Pharmacy, Panaji, Goa.
24. **College of Engineering, Farmagudi, Ponda, Goa.**
25. Nirmala Institute of Education, Altinho, Panaji, Goa.
26. Goa College of Fine Art, Altinho, Panaji, Goa.
27. Mahadeorao Salgaonkar College of Law, Miramar, Panaji, Goa.
28. Govind Ramnath Kare College of Law, Margao, Goa.
29. Goa Dental College, Bambolim, Goa.
30. College of Architecture, Campal, Panaji, Goa.
31. Kala Academy's Goa College of Music, Campal, Panaji, Goa.
32. Institute of Nursing Education, Panaji, Goa.
33. Goa Vidyaprasarak Mandal's College of Education, Ponda, Goa.
34. Bharatiya Sanlriti Probohdhni's Gomantak Ayurveda Mahavidyalaya and Research Centre, Shiroda, Goa.
35. Goa Medical College, Bambolim, Goa

## (1) Dhempe College of Arts & Science, Panaji.

### 4.1.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

|  |  |
|--|--|
| G.N. Mishra, Ph.D., Principal, Reader,<br>Philosophy & Psychology      | Kala Nayak, M.Sc., Lecturer, Mathematics                         |
| A.V. Sakhardande, M.A., Lecturer, English                              | S.U. Kamat, M.Sc., Lecturer, Mathematics                         |
| P.K. Khaunte, M.A., Lecturer, English                                  | G.V. Kulkarni, M.Sc., Lecturer, Mathematics                      |
| Ramola Antao, M.A., Lecturer, English                                  | Sangita Karale, B.E. (Computer), Lecturer,<br>Computer Awareness |
| Margaret Lopes, M.A., Lecturer, English                                | S.K. Haldankar, M.Sc., Lecturer, Chemistry                       |
| Rabin B. Pinto, M.A., Lecturer, English                                | Udai S. Naik, Ph.D., Lecturer, Chemistry                         |
| Maria Isabel Vaz, M.A., Lecturer, English                              | Vishwas S. Prabhudesai, M.Sc., Lecturer,<br>Chemistry            |
| S.S. Walimbe, M.A., Lecturer, English                                  | Soniya M. Wagle, M.Sc., Lecturer, Chemistry                      |
| Edwin Cortez, M.A., Lecturer, Economics &<br>Political Science         | A.F. Barbosa, Ph.D., Reader, Physics                             |
| Shilpa Samant, M.A., Lecturer, Economics &<br>Political Science        | G.V. Kelkar, M.Sc., Lecturer, Physics                            |
| K.S. Govekar, M.A., Lecturer, Economics &<br>Political Science         | Sharmila P. Kamat, M.Sc., Lecturer, Physics                      |
| Vrishali U. Prabhugaonkar, M.A., Lecturer,<br>History                  | Sandeep S. Burye, M.Sc., Lecturer, Physics                       |
| Prajal Sakharandande, M.A., Lecturer, History                          | Murthy P.S. Ramu, M.Sc., Lecturer, Physics                       |
| Ave Cleto Afonso, M.A., Lecturer, Philosophy<br>& Psychology           | Swati R. Pawar, M.Sc., Lecturer, Physics                         |
| Zinia Siqueira Lobo Silva, Ph.D., Lecturer,<br>Philosophy & Psychology | Kaustubh Priolkar, M.Sc., Lecturer, Physics                      |
| Wendy Ann Manuel, M.A., Lecturer,<br>Philosophy & Psychology           | P.G. Kelkar, Ph.D., Reader, Botany                               |
| Mukta Karamadi, M.A., Lecturer, Philosophy<br>& Psychology             | G.I. Hukkeri, M.Sc., Lecturer, Botany                            |
| S.S. Nadkarni, M.A., Lecturer, Marathi                                 | K.G. Hiremath, Ph.D., Reader, Botany                             |
| M.J. Kulkarni, M.A., Lecturer, Marathi                                 | P.N. Pangu, Ph.D., Reader, Botany                                |
| Ravindra D. Ghavi, M.A., Lecturer, Marathi                             | Mangala Prahhu Dessai, M.Sc., Lecturer,<br>Botany                |
| H.V. Upadhye, M.A., Lecturer, Hindi                                    | Manjiri Kelkar, M.Sc., Lecturer, Botany                          |
| Anju P. Khaunte, M.A., Lecturer, Konkani &<br>French                   | Shubhangi D. Pangam, M.Sc., Lecturer, Botany                     |
| Celia D'Costa, M.A., Lecturer, Konkani &<br>French                     | S.S. Sarhardande, M.Sc., Lecturer, Zoology                       |
| K.G. Kamat, Ph.D., Reader, Chemistry                                   | S.J. Godse, M.Sc., Lecturer, Zoology                             |
| R.A.S. Dhume, Ph.D., Reader, Chemistry                                 | S.R. Ganihar, Ph.D., Reader, Zoology                             |
| V.S. Dinge, M.Sc., Lecturer, Chemistry                                 | Sucheta G. Halkar, M.Sc., Lecturer, Zoology                      |
| N.R. Naik, Ph.D., Reader, Chemistry                                    | Yasmin Modassir, Ph.D., Lecturer, Zoology                        |
| Vrinda P.S. Borkar, Ph.D., Lecturer, Chemistry                         | Suchana Agni, M.Sc., Lecturer, Zoology                           |
| Lina S. Talwadkar, Ph.D., Lecturer, Chemistry                          | Shital Joshi, M.Sc., Lecturer, Zoology                           |
|  | F.B. Antao, M.Sc., Lecturer, Geology                             |
|  | A.M. Nadkarni, M.Sc., Lecturer, Geology                          |
|  | R.P. Gurav, M.Sc., Lecturer, Geology                             |
|  | A.G. Agshikar, M.Sc., Lecturer, Geology                          |
|  | Orlando A. Fernandes, M.Sc., Lecturer,<br>Geology                |
|  | Chandrakant Porob, M.A., Director of Physical<br>Education       |
|  | Surekha Katkar, <a href="#">M.Com.</a> , B. Lib.Sc., Librarian   |

### 4.1.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (Theme, Dates, Funding Agency, Name of Department)

Topic wise scope & Limitations of the restructured syllabus for T.Y.B.Sc., July 1-4 1996, IAPT, Physics  
College Teachers Workshop, 31<sup>st</sup> March 1996, Goa University, Geology

(b) (i) Attended: Seminars/Conferences: (Name of Teacher, *Theme of Conference*, Place, Date, *Title of Paper*)

Ravinder D. Ghavi, Gomantak Marathi Academy Panaji Goa, \*March 1997, *Kavi Borkar yanche lalita Niband*

Anju P. Khaunte, Goa University, 18, March 1997, *Konkani Tiatr*

4.1.5 (b) (ii) Attended Workshops: (Name of Teacher, *Theme of Workshop*, Place, Date)

A.F. Barbosa, *IAPT Annual Convatiotz*, Aurangabad, \*

Yasmin Moddasir, *Nutrition*, Davenport, \*

K.G. Hiremath, *Recent Advances in Biological Oceanography*, NIO Goa., \*

Sharmila Kamat, *Practical Pyhsics*, Jaipur, \*

4.1.8 (a) **Data regarding students registration:**

| Year | B.A | B.Sc. |
|------|-----|-------|
| I    | 172 | 166   |
| II   | 132 | 111   |
| III  | 113 | 167   |

4.1.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(b) **Sports:** Name of Student/Team, **Achievement** (Medals/Place etc.), Sports (Team or Individual)

Basavaraj Patwardhan, **1<sup>st</sup> Place**, Power Lifting Competition

Shrikant Volvoikar, **r<sup>d</sup> Place**, Physique Competition

Akhilanand Malatkar, **3<sup>rd</sup> Place**, Swimming Competition

College Team, **1<sup>st</sup> Place**, Basket-ball (Women)

4.1.10 **Any other information:**

N.C.C. Report

1) Girls Wing: NCC activities for Girls Wing started in July 1996 with enrolment of 50 cadets. Of these 30 cadets are enrolled for the Army Wing and 20 cadets are enrolled for the Naval Wing. During the course of their training the girl cadets received instructions in foot drill, first aid, home nursing and weapon training. Cadet Jerilee C.A. Pinto was selected to attend Pre-R.D. camp at Dharwad.

2) Naval Report: The regular parades for the year 1996-97 started on the 4<sup>th</sup> of July 1996. The cadets were trained in various aspects of NCC Navy. At the ATC Camp held at Nehru Stadium, Fatorda Vinod Krishnokutty won the best cadet award. As a finale to all these achievements, some of our cadets also participated in the National Sailing Competition.

**(2) Smt. Parvatibai Chowgule Cultural Foundations College of Arts & Science, Margao.**

4.2.1 **List of Teaching Staff:** (Name, Qualifications, *Designation*, Subject)

**V.R. Shirgurkar**, M.A., *Principal*, Economics  
**S.K. Naik**, M.Sc., *Vice-Principal*, Chemistry

**Judith Dias Barreto**, M.C.A., *Lecturer*,  
Computer Science

V. Narayan, M.Sc., Lecturer, Physics  
V.D. Date, M.Sc., Demonstrator, Physics  
Ananya Das, B.Sc., Lecturer, Physics  
Vijay Richard D'Costa, Ph.D., Lecturer, Physics  
N.V. Kamat, M.Sc., Lecturer, Physics  
S.N. Pal Raiturkar, M.Sc., Lecturer, Physics  
S.M. Sadique, M.Sc., Lecturer, Physics  
Malati Tirvir, M.Sc., Lecturer, Physics  
E.M. Raykar, M.Sc., Lecturer, Chemistry  
S.A. Antao, Ph.D., Lecturer, Chemistry  
S.J. Borkar, M.Sc., Lecturer, Chemistry  
Maria J. Desouza, M.Sc., Lecturer, Chemistry  
S.P.S. Kakodkar, M.Sc., Lecturer, Chemistry  
Ganpat K. Naik, Ph.D., Lecturer, Chemistry  
R.S. Padiyar, M.Sc., Lecturer, Chemistry  
N.G. Rivonkar, M.Sc., Lecturer, Chemistry  
B.V. Shirwaikar, M.Sc., Lecturer, Chemistry  
N.B. Shirwaikar, M.Sc., Lecturer, Botany  
R.V. Gaonkar, Ph.D., Reader, Botany  
Uma J. Patil, M.Sc., Lecturer, Botany  
Rajendra G. Shetye, M.Sc., Lecturer, Botany  
A.V. Veeresh, Ph.D., Lecturer, Botany  
M. Visalakshi, Ph.D., Lecturer, Botany  
M.S. Anthony, M.Sc., Lecturer, Zoology  
Shampa Chakraborti, Ph.D., Lecturer, Zoology  
P.N. Kavri, M.Sc., Lecturer, Zoology  
K.N. Mishra, M.Sc., Lecturer, Zoology  
D.K. Tikare, Ph.D., Lecturer, Zoology  
M. Veeresh, M.Sc., Lecturer, Zoology  
Nandini Vaz, M.Sc., Lecturer, Zoology  
S.M. Borges, M.Sc., Geology  
M.S. Katti, M.Phil., Lecturer, Geology  
H.S.S.S. Nadkarni, M.Sc., Lecturer, Geology  
Anthony A. Viegas, M.Sc., Lecturer, Geology  
M. Kunhanandan, M.Sc., Lecturer, Mathematics  
A.P. Masur, M.Sc., M.S., Lecturer, Mathematics  
Sushant S. Prabhu Sawkar, M.C.A., Lecturer,  
Computer Science  
Animesh Adhikari, M.Tech., Lecturer, Computer  
Science  
Alberto Ian Aquino Barreto, M.C.A., Lecturer,  
Computer Science

Suchitra Bhat, M.C.A., Lecturer, Computer  
Science  
Shaila R. Ghanti, M.Phil., Lecturer,  
Computer Science  
S.R. Ingle, M.Phil., Lecturer, Geography  
S.M. Ambli, Ph.D., Lecturer, Geography  
N.N. Sawant, M.A., Lecturer, Geography  
K. Sreedharan, M.Sc., Lecturer, Mathematics  
V.S. Amonkar, M.Sc., Lecturer, Mathematics  
Rakhi D. Karapurkar, M.Sc., Lecturer,  
Mathematics  
Menezes Gama Rhona Maria, M.C.A., Lecturer,  
Computer Science  
Kumaresh V.C., M.Sc., Lecturer, Computer  
Science  
D. Prabakaran, M.C.A., Lecturer, Computer  
Science  
Sulaxana G. Raicar, M.Sc., Lecturer, Computer  
Science  
P. Ferdinand, M.A., Lecturer, English  
Rajashree R. Desai, M.A., Lecturer, English  
Celeste Fernandes, M.A., Lecturer, English  
D. Majumdar, M.A., Lecturer, Economics  
E.M. Travassos, Ph.D., Lecturer, Economics  
S.P. Verenkar, M.A., Lecturer, Economics  
Alzira Vaz, M.A., Lecturer, Political Science  
Aparajita Chatterjee, M.A., Lecturer, Sociology  
S.S. Naik, M.A., Lecturer, Philosophy  
Kavita A. Borker, M.A., Lecturer, Philosophy  
R.V. Joshi, Ph.D., Lecturer, Philosophy  
R.V. Patil, M.A., Lecturer, Philosophy  
OM Prakash Tripathi, Ph.D., Lecturer, Hindi  
Lata G. Shirodkar, M.A., Lecturer, Hindi  
P. Antony, M.A., Lecturer, History  
S. Mayenkar, M.A., Lecturer, History  
M.D.S. Borkar, M.A., Lecturer, French  
S.S. Phadke, Ph.D., Lecturer, Konkani  
Gunaji S. Dessai, M.A., Lecturer, Konkani  
S.S. Adsul, M.Phil., Lecturer, Marathi  
Archana Pandit, M.A., Lecturer, Marathi  
D. Bagchi, M.Phil., Director, Physical Education

#### 4.2.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

Dr. H. Maheshwari, Sri Aurobindo Ashram, Pondicherry, *Essentials of Religion*, 13-17<sup>th</sup> January, 1997.

#### 4.2.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (Theme, Dates, Funding Agency.)

"Critical Approach to Media" from T.I.S.S. Mumbai, 27-28, July 1996, Ford Foundation

"Sex Education", 28-29 Sept. 96, Ford Foundation

"Elementary Maths and Elementary Statistics", 22<sup>nd</sup> November 96, College/Goa University

"Mass Communication", 23 November 1996, College/Goa University  
 "Rural Banking & Export Management", 25 November 1996, College/Goa University  
 "India's Freedom Struggle & Computer Awareness", 26 November 1996, College/Goa University  
 "Computer System", 30 November 1996, College/Goa University  
 "Creative Writing", 30 November 1996, College/Goa University  
 "Autonomy & Excellence", 23 December 1996, College/Goa University  
 National Seminar on "Autonomy & Excellence", 18-19, January, 1997, U.G.C. & Ford Foundation

(b) (i) **Attended Seminars/Conferences:** (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

R.V. Gaonkar, *Rehabilitation of Mined Areas in Goa*, N.I.O., GOA, 21<sup>st</sup> -22<sup>nd</sup> Jan. 1997, *Biodiversity & Exploitation of Medicinal Plants in the Mining Region of Goa*.

(b) (ii) **Attended Workshops:** (Name of Teacher, Theme of Workshop, Place, Date)

V.R. Shirgurkar, *Faculty & Student Development Programme*, Manesar, 20-25<sup>th</sup> January 1997.

S.K. Naik, *Refresher Course in Chemistry*, Jammu, 30th January to 23rd February 1997

E.M. Travassos, *Faculty Development*, Bangalore, \*June 1996

N.G. Rivonkar, *Refresher Course in Chemistry*, Jammu, 30th January to 23rd February 1997

4.2.6 (a) **Publications (Research Articles):** (Name of Teacher, Title, Journal, Volume, Month/Year)

P.K. Sharma, Rajendra Shetye and Saroj Bhosle, *Effect of supplementary Ultraviolet-B radiation on young wheat seedlings*, **Current Science**, 72(6) 1997, 1997

Ganpat K. Naik & J.S. Budkuley, *Synthesis, Spectral & Thermal Properties of Na\K-Nickel Nitro triacetate Hydrates*, **Asian Journal of Chem.**, 8(4), 1996

J.S. Budkuley & Ganpat K. Naik, *Thermoanalytical properties of monobasic nitrotriacetate salts of alkaline earth metals and zinc*, **Thermochemica Acta**, Jan., 1996

4.2.8 (a) **Data regarding students registration:**

| Year | B.A. | B. Sc. | P.G.D.C.A |
|------|------|--------|-----------|
| I    | 136  | 235    | 29        |
| II   | 96   | 171    |           |
| III  | 99   | 203    |           |

4.2.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(a) **Academic:** Name of Student, Achievement (i.e. rank etc.), Examinations

Manurkar Manisha Avinash, **1<sup>st</sup> Rank**, B.Sc.

Kholker Snehal Haridas, **3<sup>rd</sup> Rank**, B.Sc.

Alfonso Leslie Francis, **1<sup>st</sup> Rank**, B.A.

Raut Desai Aparna, **2<sup>nd</sup> Rank**, B.A.

(b) **Sports:** Name of Student/Team, Achievement (Medals/Place etc.), Sports (Team or Individual)

Bertrand Carnerio, **2<sup>nd</sup> Place**, Cycling Championship

Neelesh Dhaswakar, **3<sup>rd</sup> Place**, Cycling Championship

Yannick Colaco, Kapil Kamat, Santosh George and Ralph Figueredo, **1<sup>st</sup> Place**, Tennis

Dexter Pereira, **1<sup>st</sup> Place**, High Jump

Dexter Pereira, **3<sup>rd</sup> Place**, Shot put

Christopher Moraes, **Gold Medal**, Swimming Competition

4.2.10 **Any other information:**

- 1) S.S. Phadke was felicitated with the Best Teacher award by Government of Goa.
- 2) R.V. Joshi is selected for Inter-University Centre in Humanities and Social Sciences at



- 3) R.V. Joshi, Department of Philosophy has been invited by U.G.C. to write a University/College level text book in Philosophy.
- 4) E.M. Travassos was conferred Ph.D. in Economics for his thesis entitled *Corporate Planning Systems- some Basic of Thesis Issues* by University of Bombay.

### (3) St. Xavier's College, Mapusa.

#### 4.3.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

Antimo Gomes, M.A., *Principal*, Philosophy  
A.B. Coelho, M.Sc., *Vice Principal*, Physics  
C.R. Bhonsle, M.Sc., *Lecturer*, Physics  
Peter Morris, B.Sc., *Demonstrator*, Physics  
B.S. Keshavan, B.Sc., *Demonstrator*, Physics  
Rajendra Kanekar, M.Phil., *Lecturer*, Physics  
Benedict Soares, M.Sc., *Lecturer*, Physics  
Dominick Nelson Lobo, M.Phil., *Lecturer*,  
Physics

Pradeep Morajkar, M.Sc., *Lecturer*, Physics  
Andrew Dias, M.Sc., *Lecturer*, Physics  
Manoj Salgaonkar, M.Sc., *Lecturer*, Physics  
Daryl Gonsalves, M.Sc., *Lecturer*, Electronics  
P.M. Usgaonkar, M.Sc., *Lecturer*, Chemistry  
G.R. Dukle, M.Sc., *Lecturer*, Chemistry  
A.S. Timble, M.Sc., *Lecturer*, Chemistry  
D.R. Natekar, M.Sc., *Lecturer*, Chemistry  
Tushar Anvekar, M.Sc., *Lecturer*, Chemistry  
Edwina Fernandes, M.Sc., *Lecturer*, Chemistry  
Kathleen Gomes, M.Ed., *Lecturer*, Chemistry  
Isabel De Noronha, M.Sc., *Lecturer*, Chemistry  
Sajo Naik, M.Sc., *Lecturer*, Chemistry  
Teotone Inas M. Vaz, M.Sc., *Lecturer*,  
Chemistry

Janesline Fernandes, M.Sc., *Lecturer*,  
Chemistry

Lourenco Mascarhenas, M.Sc., *Lecturer*,  
Chemistry

Marina Monteiro, M.Sc., *Lecturer*,  
Microbiology

Sheila Velho Martins, M.Sc., *Lecturer*,  
Microbiology

Nelson D'Souza, M.Sc., *Lecturer*, Microbiology

Ursula Pinto, M.Sc., *Lecturer*, Microbiology

Judith D'Souza, M.Sc., *Lecturer*, Microbiology

M. Elaine Rodrigues, M.Sc., *Lecturer*,  
Biochemistry

Deirdre Carrasco, M.Sc., *Lecturer*, Biochemistry

S.C. Tavakari, M.Sc., *Lecturer*, Botany

Balakrishnan C. Nair, M.Sc., *Lecturer*,

*Mathematics* Ubaldina Noronha, M.A.,

*Lecturer*, Psychology Walter De Sa, M.A.,

*Vice Principal*, Sociology Annie

Fernandes, M.A., *Lecturer*, Sociology  
Sudha Chari, Ph.D., *Reader*, Philosophy  
Blanche Mascarenhas, M.A., *Lecturer*,  
Economics

Gema Fernandes, M.A., *Lecturer*, Economics

Marlon D'Souza, M.A., *Lecturer*, Economics

Emilia Mascarenhas, M.Sc., *Lecturer*, Botany

Maria Araujo, M.Sc., *Lecturer*, Botany

Wendy Xavier, M.Sc., *Lecturer*, Botany

Annie D'Souza, M.Sc., *Lecturer*, Botany

Sabina Sales, M.Sc., *Lecturer*, Botany

A.S. Mudbidri, M.Sc., *Lecturer*, Mathematics

Zita Do Carmo Souza, M.Sc., *Lecturer*;  
Mathematics

Ryan Fernandes, Ph.D., *Lecturer*, Mathematics

Alice Barneto D'Cruz, M.A., *Lecturer*, English

Nina Caldeira, M.Phil., *Lecturer*, English

Audrey Fernandes, M.A., *Lecturer*, English

Shirlene Palha, M.A., *Lecturer*, English

Sunita Fernandes, M.A., *Lecturer*, English

Tricia D. Vaz, M.A., *Lecturer*, Political Science

Ildio Noronha, M.A., *Lecturer*, Political Science

Magdalene D'Souza, M.Phil., *Lecturer*, Hindi

Rarnita Patre, M.A., *Lecturer*, Hindi

Aruna Ganu, M.A., *Lecturer*, Marathi

Vrunda Kelkar, M.A., *Lecturer*, Marathi

Satish Bute, M.A., *Lecturer*, Konkani

Dharma S. Chodanker, M.A., *Lecturer*, Konkani

Thomas Mendonsa, M.A., *Lecturer*, French

B. Rajasekhar, M.Phil., *Lecturer*,  
Commerce/Accounts

Maria Difa Fernandes, [M.Com.](#), *Lecturer*,  
Commerce/Accounts

Yasmin G. Patvekar, M.Phil., *Lecturer*,  
-Commerce/Accounts

Sumina L. Da Costa, [M.Com.](#), *Lecturer*,  
Commerce/Accounts

Herwin Furtado, [M.Com.](#), *Lecturer*,  
commerce/Accounts

Thereza Mascarenhas, M.C.A., *Lecturer*,  
Computer Science  
Edwin A.J. D'Souza, M.C.A., *Lecturer*,  
Computer Science  
Sherly Yohannan, M.C.A., *Lecturer*, Computer  
Science  
Jacqueline Monteiro, M.A., *Lecturer*,  
Economics  
Daniel D'Souza, M.A., *Lecturer*, History  
Pamela Fernandes, M.A., *Lecturer*, History  
Ruth D'Souza, M.A., *Lecturer*, Psychology  
Anuradha Kakodkar, M.A., *Lecturer*,  
Psychology

Edna Fonseca, [M.Com.](#), *Lecturer*,  
Commerce/Accounts  
Dominic D'Souza, [M.Com.](#), *Lecturer*,  
Commerce/Accounts  
Oscar B. D'Mello, [M.Com.](#), *Lecturer*,  
Commerce/Accounts  
D.M. Jakatti, M.A., *Lecturer*, Geography  
Savio Earnest D'Souza, L.L.B., *Lecturer*,  
Business Law  
Milton Fernandes, M.P.Ed., *Director*, Physical  
Education  
Simao Diniz, M.A., *Lecturer*, Psychology

#### 4.3.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

**Dr. Peter Jayapandian**, American College, Madurai., *Role of Teacher in Autonomous College*, 12th  
13<sup>th</sup> March, 1997

#### 4.3.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (Theme, Dates, Funding Agency, Name of Department)

Ecology, 6<sup>th</sup> October, 96, *College*, Sociology  
Computer Applications, 28<sup>th</sup> January, 97, *College*, Computer Science  
Role of Teacher in an Autonomous College, 12<sup>th</sup>, 13<sup>th</sup> March, 1997, *A.I.A.C.H.E. & Mangt.*

(b) (i) **Attended Seminars/Conferences:** (Name of Teacher, Theme of Conference, Place, Date,  
Title of Paper)

Nelson D'Souza, National Academy of Sciences, Aurangabad, 31<sup>st</sup> October to 2<sup>nd</sup> November 1996,  
*Mangroves Sediment Enzymes- Indicators of Pollution.*  
Sajo Naik, Dehradun, \*April 97, 1. *Catalytic Properties of ZnO*; 2. *Dehydration Reaction on Zeolite  
Catalyst.*  
Tushar Anvekar, Bombay, 27<sup>th</sup> to 31 December 1996, *Study of Electronics Structure of Chromium  
Compounds.*

(b) (ii) **Attended Workshops:** (Name of Teacher, Theme of Workshop, Place, Date)

Tushar Anvekar, *Workshop on Radio Chemistry & Applications of Radioisotopes*, BARC, Bombay,  
18<sup>th</sup> -27<sup>th</sup> November 1996

#### 4.3.8 Data regarding students registration:

| Year | B.A. | <a href="#">B.Com.</a> | B.Sc. |
|------|------|------------------------|-------|
|      | 211  | 209                    | 204   |
| II   | 224  | 151                    | 184   |
| III  | 185  | 144                    | 170   |

### (4) S.S. Dempo College Of Commerce and Economics, Panaji.

#### 4.4.1. List of teaching staff: (Name, Qualifications, Designation, Subject)

S.L. Sardesai, M.A., *Principal*, Economics  
A.P. Kamat, M.A., *Vice Principal*, Economics  
A.M. Rangnekar, M.Sc., *Lecturer*, Geography  
S.J. Pai, LL.B., *Lecturer*, Commerce  
S. Mandrekar, [M.Com.](#), *Lecturer*, Commerce  
K.N. Joshi, M.Sc., *Lecturer*, Mathematics  
Josephine Dias, [M.Com.](#), *Lecturer*, Commerce  
S. Jadhav, M.C.M., *Lecturer*, Computer

V.H. Borkar, M.Sc., Lecturer, Mathematics  
 V.R. Naik, Ph.D., Lecturer, Economics  
 N. D'Souza, M.A., Lecturer, Economics  
 D.B. Naik, M.A., Lecturer, Environment  
 M. Pilgaonkar, M.Phil., Lecturer, English  
 A. Pinto, M.Phil., Lecturer, English  
 Prisca Braganza, M.Phil., Lecturer, Commerce  
 Pravin P. Naik Gaonkar, [M.Com.](#), Lecturer,  
 D.D. Rodrigues, [M.Com.](#), Lecturer, Commerce

E. Barreto, [M.Com.](#), Lecturer, Accountancy  
 Gauri Tamba, FCA, Lecturer, Accountancy  
 N.N. Naik Gaunekar, FCA, Lecturer,  
 Accountancy  
 C.Y. Ramani, FCA, Lecturer, Accountancy  
 A.S. Sangoram, FCA, Lecturer, Accountancy  
 K.D. Amlani, FCA, Lecturer, Accountancy  
 A.K.P. Moye, LLB, Lecturer, Business Law

4.4.5 (b) (i) **Attended: Seminars/Conferences:** (Name of Teacher, *Theme of Conference*, Place, Date, *Title of Paper*)

V.R. Naik, Udaipur (Rajasthan), 21<sup>st</sup> and 22<sup>nd</sup> September 1996, *Government plans and policies for promotion of Tourism Industry.*

(b)(ii) **Attended Workshops:** (Name teacher, *Theme of Workshop*, Place, Date)

S. L. Sardessai, *National Education Development and Planning - Orientation Programme for College Principals*, Delhi, \*

4.4.8 Data regarding students registration:

|      |                       |
|------|-----------------------|
| Year | <a href="#">B.Com</a> |
|      | 353                   |
| II   | 233                   |
| III  | 268                   |

## (5) Carmel College of Arts, Science & Commerce for Women, Nuvem

4.5.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Subject)

Margaret Angela A.C., M.Sc., *Principal*, Botany  
 Florence Mary A.C., M.Sc., *Vice-Principal*,  
 Chemistry  
 Lucrecia Pereira, M.Sc., *Lecturer*, Chemistry  
 Matilda Madtha A.C., M.Sc., *Lecturer*,  
 Chemistry  
 Cheryl Alvares, M.Sc., *Lecturer*, Chemistry  
 Fatima Cardozo, M.Sc., *Lecturer*, Chemistry  
 Meenakshi Mallya, Ph.D, *Reader*, Zoology  
 Molly Joseph, M.Sc., *Lecturer*, Zoology  
 Subhadra Devi Gadi, M.Phil., Sr. *Lecturer*,  
 Zoology  
 Manoj Borkar, M.Sc., *Lecturer*, Zoology  
 Vinita D'Sa, M.Sc., *Lecturer*, Zoology  
 Kalpana Kamat, M.Sc., *Lecturer*, Zoology  
 Marykutty Augusthy, M.Sc., *Lecturer*, Botany  
 Nirmala Joseph e Mendonca, M.Sc., *Lecturer*,  
 Botany  
 Mini Vijayan, M.Sc., *Lecturer*, Botany

Glancy Rebello, M.A., *Lecturer*, Economics  
 Maria Luisa Ferrao e Valladares, M.A.,  
*Lecturer*, English  
 Nizia Do Carmo Lobo, M.A., *Lecturer*, English  
 Roxana A. Singh, M.A., *Lecturer*, English  
 K.J. Augusthy, M.A., *Lecturer*, Economics  
 Rajendra, M.Phil., *Lecturer*, Physics  
 Efrem D'Sa, *Lecturer*, Physics  
 Gladys Mony, M.Sc., *Lecturer*, Maths  
 R. Srividya, M.Sc., *Lecturer*, Maths  
 Nora Govil, M.A., *Lecturer*, Psychology  
 Christabel Faria, M.A., *Lecturer*, Psychology  
 Shobha Verenkar, Ph.D., *Lecturer*, Hindi  
 Akalpita R. Dessai, M.A., *Lecturer*, Konkani  
 Queenie Viegas, M.A., *Lecturer*, Konkani  
 Nelsa Rodrigues, M.A., *Lecturer*, French  
 M.C. Mathai, Ph.D, *Reader*, Commerce  
 M. Aradhana A.C., [M.Com.](#), *Lecturer*,  
 Commerce  
 Sumathi Balakrishna, M.Phil., *Lecturer*,  
 Commerce

Sulabha Phatak, Ph.D., *Lecturer*, Botany  
 Meena Miranda, M.Sc., *Lecturer*, Botany  
 Lalita N. Patil, M.Sc., *Lecturer*, Maths  
 Emma Maria A.C., M.A., *Lecturer*, History  
 Leila Ribeiro, MA., *Lecturer*, History  
 Sharmila Pais, M.A., *Lecturer*, History  
 Dina D'Silva, M.A., *Lecturer*, Political Science  
 Lolita D'Souza, M.A., *Lecturer*, Political Science  
 Louise Ann Sequeira, M.A., *Lecturer*, Political Science  
 Racihika S. Nayak, M.A., *Lecturer*, Economics

Gladys Monterio, [M.Com.](#), *Lecturer*, Commerce  
 Sajani D'Costa, [M.Com.](#), *Lecturer*, Commerce  
 Audhoot Satardekar, [M.Com.](#), *Lecturer*,  
 Commerce  
 S.S. Hiremath, Ph.D., *Lecturer*, Commerce  
 P.P. Singh, L.L.M., *Lecturer*, Commerce  
 Solley Thomas, M.C.A., *Lecturer*, Computer  
 Awareness  
 Olava Menezes e Gama, M.P.Ed., *Director*,  
 Physical Education

#### 4.5.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Motivation & Theme Building among the Teachers, 14<sup>o</sup> - 19<sup>o</sup> of June 1996, AIACHE.*

#### 4.5.8 (a) Data regarding students registration:

| Year | B.A | B. Sc. | <a href="#">B.Com.</a> |
|------|-----|--------|------------------------|
|      | 120 | 80     | 78                     |
| II   | 87  | 79     | 70                     |
| III  | 95  | 64     | 69                     |

## (6) Murgaoon Education Society's College of Arts & Commerce, Zuarinagar.

#### 4.6.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

M.S. Kamat, M.A., *Principal*, Economics  
 H.T. Nagvenkar, M.A., *Vice Principal*,  
 Economics

K.S. Nairi, M.A., *Lecturer*, Economics  
 Rekha Gaonkar, Ph.D., *Lecturer*, Economics  
 Meenakshi Gedam, M.Phil., *Lecturer*,  
 Economics

Harsha Pai, M.A., *Lecturer*, Economics  
 D.A. Kamat, M.Sc., *Lecturer*, Mathematics &  
 Statistics

Yogeeta Rodrigues, M.Sc., *Lecturer*,  
*Mathematics & Statistics*  
 S.N.D. Poojary, M.A., *Lecturer*, Psychology  
 Rashmi Bhargava, M.A., *Lecturer*, Psychology  
 R. Luthra Dhyani, M.A., *Lecturer*, Psychology  
 M.C. Rodrigues, M.A., *Lecturer*, Political  
 Science  
 A.M. Sambargi, M.Phil., *Lecturer*, Political  
 Science  
 B.S. Ingalhalli, M.A., *Lecturer*, Geography  
 M.L. Pednecar, [M.Com.](#), *Lecturer*, Commerce  
 B.V. Kolekar, [M.Com.](#), *Lecturer*, Commerce  
 V.V. Sail, [M.Com.](#), *Lecturer*, Commerce

R.B. Patil, Ph.D., *Lecturer*, Sociology  
 Ganesha Somayaji, M.A., *Lecturer*, Sociology  
 Sandhya Bhandare Sequeira, M.Phil., *Lecturer*,  
 English

Cidalia Bodade, M.Phil., *Lecturer*, English  
 Prakash Pawar, FCA, *Lecturer*, Accountancy  
 B.S. Nagarsekar, FCA, *Lecturer*, Accountancy  
 Sanchiliana Faria, [M.Com.](#), *Lecturer*,  
 Accountancy

Rochana Kharangate, [M.Com.](#), *Lecturer*,  
 Accountancy

Lalita Joshi, MBA, *Lecturer*, Business  
 Management

Ulhas Shetye, LLB, *Lecturer*, Business Law  
 Sandeep Kadam, M.Sc., *Lecturer*, Computer  
 Awareness

Cosma Fernandes, M.A., *Lecturer*, Konkani  
 Shilpa Desai, M.A., *Lecturer*, Marathi

Champa Parab, [M.Com.](#), *Lecturer*, Commerce  
 Sonali Thorat, [M.Com.](#), *Lecturer*, Commerce  
 Manisha Tomar, M.A., *Lecturer*, Hindi

P.A. Borgave, M.P.Ed., *Sports Director*, Physical  
 Edu.

#### 4.6.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Workshop in Accountancy, 20.12.96 & 21.12.96, Goa University, Commerce*

*Workshop in Sociology, 07.01.96, Goa University, Sociology*

(b) (i) **Attended: Seminars/Conferences:** (*Name of Teacher, Theme of Conference, Place, Date, Title of Paper*)

**Rekha Gaonkar**, Delhi, 22.12.96 to 24.12.96, *Emerging Trends in Social measures with special reference to the women workers of Mormugao Port Trust, Goa.*

**Rekha Gaonkar**, Trichur Kerela, 02.01.97 to 04.01.97, *Private Sector Capital Formation in Agriculture : A Goan Experience.*

4.6.6 (a) **Publications (Research Articles):** (*Name of Teacher, Title, Journal, Volume, Month/Year*)

**Ganesh Somayaji**, *Unintended Consequences of Social Engineering: The case of Indian Experience with Reservation Policy, Samaja Shodhana - Journal of Mangalore Sociology Association, V No. 2, October 1996*

4.6.8 **Data regarding students registration:**

| Year | B.A. | <u>B. Com.</u> |
|------|------|----------------|
| I    | 117  | 257            |
| II   | 139  | 217            |
| III  | 122  | 163            |

4.6.9 **Achievements:(Ranks/Merits in the University Examinations/Sports Activities)**

(a) **Academic:** (*Name of Student, Rank, Examinations*)

**Inseyha Iqbal Ali, Third Rank, B. Corn.**

(b) **Sports:** *Name of Student/Team, Achievement (Medals/Place etc.), Sports*

**Chess Team. Winners, Chess**

**Volley Ball (Women) Team, Runners-up, Volley Ball Championship**

**Atheletic (Women) Team, Runners-up, Atheletic Championship**

**Manjula Bhat, Gold Medal, 100 Mts. Sprint**

**Manjula Bhat, Gold Medal, 100 Mts.**

**Manjula B hat, Silver Medal, 200 Mts. & 400 Mts. Run**

**Remedina Rodrigues, Bronze Medal, 100 Mts. & 200 Mts. Run**

**Stafy Rodrigues, Bronze Medal, Long Jump**

**Gaurish Dhawlikar, Silver Medal, Shot Put & Discuss Throw**

**Gaurish Dhawlikar, Bronze Medal, Javelin Throw**

**Women's Team, Runners-up, Cross Country Team**

**Men's Team, 3<sup>rd</sup> Place, Cross Country Team**

**Women's Team, Gold & Silver, 4x100 & 4x200 mts**

4.6.10 **Any other information:**

**Manjula Bhat** represented Goa at the Federation Cup for Athletics and West Zone Athletic Championship.

## (7) Shree Damodhar College of Commerce and Economics, Margao

### 4.7.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

|   |  |
|---|--|
| <b>G.M. Prabhudesai, M.A.,</b> <i>Offg. Principal,</i><br>Economics | <b>Shilpa G. Prabhudesai, M.Com.,</b> <i>Lecturer,</i><br>Commerce |
| <b>G.G. Kondli, M.A.,</b> <i>Lecturer,</i> Economics                | <b>Shilpa S. Sarvordekar, M.Com.,</b> <i>Lecturer,</i><br>Commerce |
| <b>L. Menon, M.A.,</b> <i>Lecturer,</i> Economics                   | <b>J.M. Rebello, M.A.,</b> <i>Lecturer,</i> English                |
| <b>P.D. Mallaya, M.Phil.,</b> <i>Lecturer,</i> Economics            | <b>Florence Rebello, M.A.,</b> <i>Lecturer,</i> English            |
| <b>Nomu S. Poy Raiturkar, M.A.,</b> <i>Lecturer,</i><br>Economics   | <b>S.B. Mulay, M.Sc.,</b> <i>Lecturer,</i> English                 |
| <b>R.T. Virkar, M.Com.,</b> <i>Lecturer,</i> Commerce               | <b>V.G. Path, M.Sc.,</b> <i>Lecturer,</i> Mathematics              |
| <b>U.N. Pulapaka, M.Com.,</b> <i>Lecturer,</i> Commerce             | <b>M.E. Abranches, M.Sc.,</b> <i>Lecturer,</i> Mathematics         |
| <b>A.R. Neelgar, M.Phil.,</b> <i>Lecturer,</i> Commerce             | <b>N.G. Nayak, M.Sc.,</b> <i>Lecturer,</i> Mathematics             |
| <b>N. Gopinathan, M.Phil.,</b> <i>Lecturer,</i> Commerce            | <b>Alpana Setigeri, B.E.,</b> <i>Lecturer,</i> Mathematics         |
| <b>Prisca Braganza, M.Phil.,</b> <i>Lecturer,</i> Commerce          | <b>J.M. Verlekar, F.C.A.,</b> <i>Lecturer,</i> Accounts            |
| <b>S.K.M. Bhat, M.Com.,</b> <i>Lecturer,</i> Commerce               | <b>V.F. Chimulkar, F.C.A.,</b> <i>Lecturer,</i> Accounts           |
| <b>Ranjana J. Gaonkar, M.Com.,</b> <i>Lecturer,</i><br>Commerce     | <b>M.A. Redkar, M.Com.,</b> LL.B, <i>Lecturer,</i> Busniess<br>Law |
| <b>Lina Kamat, M.Com.,</b> <i>Lecturer,</i> Commerce                | <b>P.P. Singh, LL.M,</b> <i>Lecturer,</i> Business Law             |
| <b>Lina Barreto, M.Com.,</b> <i>Lecturer,</i> Commerce              |  |

### 4.7.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

**Dr. Shamanna,** Inst.of Management, Mangalore., *Communication Skills,* \*Sept. 1996

**Dr. Leslie Menezes,** Canberra Univ. Australia, *Class room Dynamics,* 10.03.97

### 4.7.4 Sponsored Research Projects sanctioned in 1996-97 (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)

Prita D. Mallya, *PUBLIC EXP. OF GOA - A strategy for the future,* 27.08.1996, U.G.C., 1st Installment of Rs. 9000/-

### 4.7.5 Seminars/Conferences/Workshops, etc. •

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Workshop on Business Organisation Course,* 13.09.1996, Goa University, Commerce

(b)(i) **Attended: Seminars/Conferences:** (*Name of Teacher, Theme of Conference, Place, Date, Title of Paper*)

**G.M. Prabhudesai,** Pune, 08.01.1997 to 10.01.1997, *Student support services - Ideas for improvement* 5

(b) **Publications (Books):** (*Name, Title of Book, Publisher, Year*)

Lydia Menon & Prita D. Mallya, *Business Environment,* P & L Publication, 1996-97

### 4.7.8 Data regarding students registration:

|      |         |
|------|---------|
| Year | B .Com. |
|      | 326     |
|      | 242     |
| III  | 284     |

#### 4.7.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(a) Academic: (Name, **Rank**, Class)

Miss Geeta V. Shenoy, **II ad Rank**, T.Y.B.Com.

(b)**Sports:** (Name of Student/Team **Achievement** (Meda:s/Place etc.) Sports)

Mr. Ashley Colaco, **Three Gold medals and two Bronze medals**, Judo

Mr. Partick Soares, **Best Athlete**, Athletics

#### 4.7.10 Any other information:

(1) CSM Sonia Torcato and CPL Ranzilla Fernandes were selected for Basic Leadership camp at Delhi, after going through the selection at Belgaum and Bangalore. Six girl cadets attended the Annual Training Camp.

(2) Our college won the 3<sup>rd</sup> prize for the Students Parliament Competition, organised by Goa Legislative Assembly.

(3) Mr. Rakesh Pulapaka and Mr. Suhas Mallya participated in various debating and Elocution Competitions at the Inter Collegiate level and won 6 trophies for the College.

(4) The College has been allowed by U.G.C. to start Vocational Course in Advertising, Sales Promotion and Sales Management.

### (8) V.N.S. Bandekar College of Commerce, Mapusa.

#### 4.8.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Subject)

R.D. Arsekar, M.A., *Principal*, Economics

X.P. D'Souza, M.A., *Lecturer*, Economics

S.A. Diwan, M.Sc., *Lecturer*, Statistics

C.N. Sontakki, Ph.D., *Lecturer*, Commerce

Jacob Varkey, M.A., *Lecturer*, History

S.H. Kulkarni, M.Phil., *Vice-Principal*,  
Commerce

E.J. D'Lima, M.Phil, *Lecturer*, English

S.B. Dharwadkar, M.Phil, *Lecturer*, Geography

K.G. Kakamari, M.Sc., *Lecturer*, Statistics

T. Reena Devi, [M.Com.](#), *Lecturer*, Commerce

S.D. Patil, [M.Com.](#), *Lecturer*, Commerce

D.M. Deshpande, M.Phil, *Lecturer*, Commerce

M.R. Patil, M.Phil, *Lecture*, Commerce

Tara Parsekar, [M.Com.](#), *Lecturer*, Commerce

Prashanti Talpankar, [M.Com.](#), *Lecturer*,  
Commerce

R.V. Dukle, F.C.A., *Lecturer*, Accountancy

S.P. Morajkar, [M.Com.](#), *Lecturer*, Accountancy

P.P. Pawar, F.C.A., *Lecturer*, Accountancy

D.V. Joshi, F.C.A., *Lecturer*, Accountancy

S.J. Kamat, F.C.A., *Lecturer*, Accountancy

A. Haladi, M.A., *Lecturer*, Economics

N.R. Pai Raiturcar, M.A., *Lecturer*, Economics

Lira Cardozo, M.A., *Lecturer*, Economics

Satya Menon, M.A., *Lecturer*, Economics

Meenakshi W.S. Borkar, M.Sc., *Lecturer*,  
Statistics

M. Shanthi, M.A., *Lecturer*, English

Lucia Pinto De Souza, M.A., *Lecturer*, English

G.T. Dhavjekar, LLB, *Lecturer*, Law

S.P. Karapurkar, M.C.A., *Lecturer*, Comp.  
System

Shaila Nair, M.C.A., *Lecturer*, Comp. System

Sangeeta Naik, M.C.A., *Lecture*, Comp. System

Sameer M. Path, M.Sc., *Lecturer*, Electronics

Sunoj P. Raicar, M.Sc., *Lecturer*, Electronics

M.V. Subhedar, M.Sc., *Lecturer*, Physics

V.G. Desai, M.Sc., *Lecturer*, Chemistry

L.G. Shirodkar, M.A., *Lecturer*, Hindi

A.B. Mascarenhas, M.P.Ed., *Director*, Physical  
Education

#### 4.8.6 (a) Publications (Research Articles): (Name of Teacher, *Title*, Journal, Volume, Month/Year)

C.N. Sontakki, "*Social Responsibility and Marketing Ethics*", **Rayat Shikshan Sanstha**, XXVII, July-Dec., 1996

C. N. Sontakki, "*OTCEI - A Failure*", **Indian Journal of Accounting**, Vol. XXVII, July - December, 1996.

(b) **Publications (Books):** (Name, *Title of Book*, Publisher, Year)

C.N. Sontakki, *Advertising And Sales Management*, MIS. Kalyani Publishers, May, 1997

C.N. Sontaldci, *Salesmanship*, MIS. Kalyani Publishers, April, 1997

4.8.8 **Data regarding students registration:**

| Year | B.A. | B. Sc. | <u>B. Com.</u> |
|------|------|--------|----------------|
|      | 51   | 50     | 259            |
| II   |      |        | 213            |
| III  |      |        | 315            |

4.8.9 **Achievements:(Ranks/Merits in the University Examinations/Sports Activities)**

(a) **Academic:** (Name of Student **Achievement** (i.e. rank etc.), Examinations)

Sonal Ganesh Bhatkuly, 1 **Rank**, T.Y.B.Com. April, 1997

(b) **Sports:** Name of Student/Team, **Achievement** (Medals/Place etc.), Sports

|   |   |
|---|---|
| Team, <b>Winners</b> , Athletics  | Rajesh Naik, <b>Gold</b> , Shot put   |
| Team, <b>Winners</b> , Badminton  | Aldrin Mascarenhas, <b>Gold, Silver, Silver</b> , Shot put, Discuss Throw, High Jump                  |
| Team, <b>Winners</b> , Hand-ball  | Manoj Borkar, <b>Gold, Silver &amp; Runner-up</b> , Weight Lifting, Power Lifting, and Iron-man title |
| Team, <b>Winners</b> , Cricket  |   |
| Team, <b>Runners-up</b> , Cross-country race  |   |
| Team, <b>Runners-up</b> , Kabaddi   |   |
| Debora Lobo, <b>Gold, Silver &amp; Bronze</b> , Discus Throw, Javelin Throw, Shot put | Mathew Rodrigues, <b>Gold</b> , Weight Lifting & Power Lifting  |
| Manoj Borkar, <b>Silver</b> , 200 mtrs run  | Rajesh Naik, <b>Silver</b> , Weight Lifting & Power Lifting   |
| Ramjan Ali Sheikh, <b>Gold, Silver</b> , Javelin Throw & Discuss Throw                |   |

4.8.10 **Any other information:**

- 1) Sayed Khalid represented Goa State for Ranji Trophy Tournament.
- 2) Dharanjay Madgaonkar represented Goa State at National Ball Badminton Championships.

## (9) **Gopal Govind Poy Raitucar College of Commerce and Economics, Ponda**

4.9.1 **List of Teaching Staff:** (Name, Qualifications, *Designation*, Subject)

A.G. Jumde, M.Sc., *Principal*, Mathematics

C.N. Phadte, M.Phil, *Lecturer*, Mathematics

Ana Falleiro, M.Phil, *Lecturer*, Mathematics

Prasad R. Naik, B.E., *Lecturer*, Computer Science

G.A. Borkar, M.Phil, *Lecturer*, Economics

M.M. Chikodikar, M.A., *Lecturer*, Economics

Usha Rao, M.A., *Lecturer*, Economics

S.S. Pereira, M.Phil, *Lecturer*, English

R.G. Bhatt, M.Phil, *Lecturer*, English

S.L. Singbal, F.C.A., *Lecturer*, Accountancy

P.G. Dandin, M.Com., *Lecturer*, Commerce

Meera Mayekar, M.Com., *Lecturer*, Commerce

Smita G. Hede, M.Com., *Lecturer*, Commerce

Latha Menon, M.Com., *Lecturer*, Commerce

Kanta Prabhu, M.Com., *Lecturer*, Commerce

Prabhakar Rane, M.Phil, *Lecturer*, Commerce

Shami Kunde, M.Com., *Lecturer*, Commerce

D.N. Sudagade, M.Com., *Lecturer*, Commerce

G.S. Badiger, Ph.D, *Lecturer*, Geography

G.V. Khandeparkar, LL.B., *Lecturer*, Business Law



4.9.6 (b) **Publications (Books):** (Name, Title of Book, Publisher, Year)

R.G.Bhat, *Essentials of Business Communication*(S.Y. [B.Com.](#)), Manisha Prakashan, Mumbai, 1996

4.9.8 **Data regarding students registration:**

| Year | <a href="#">B.Com.</a> |
|------|------------------------|
| II   | 317                    |
| III  | 304                    |
|      | 235                    |

Department at CO  
0041 UNIVERSITY

4.9.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(b) **Sports:** (Name of Student/Team, **Achievement** (Medals/Place etc.), Sports (Team or Individual))

|  |  |
|--|--|
| Tennikot Women Team, <b>Runners-up</b> , Tennikot Tournament         | Thanu Zalmi, <b>1<sup>st</sup> Place</b> , 5000 mtrs. Run.                     |
| Thanu Zalmi, <b>1<sup>st</sup> Place</b> , Cross Country Tournament  | Thanu Zalmi, <b>2<sup>nd</sup> Place</b> , 10000 mtrs & 1500 mtrs, Run         |
| Brahmanand D. Naik, <b>1<sup>st</sup> Place</b> , Freestyle Swimming | Women Cricket Team, <b>Runner's Up</b> , Cricket Tournament                    |
| Brahmanand D. Naik, <b>rd Place</b> , Backstroke Swimming            | Gunaji Audhut, <b>1st place</b> , 200 mtrs Run                                 |
| Rupesh Kurpaskar, <b>rd Place</b> , Freestyle & Butterfly Swimming   | Rajendra Adconkar, <b>3rd place</b> , High Jump                                |
| Milind K. Korde, <b>3<sup>rd</sup> Place</b> , Butterfly Swimming    | Ditendra B Naik, <b>3rd place</b> , High Jump                                  |
|  | Vanita M. Verenkar, <b>2nd place</b> , 3000 mtrs., 5000 mtrs, & 1500 mtrs, Run |
|  | Vanita M. Verenkar, <b>3rd place</b> , 800 mtrs, Run                           |

(c) **Cultural** ( Name of student/Team, **Achievement** (Honours/Prize), Activity)

|   |  |
|---|--|
| Padmaja K. Dhakankar, <b>1st place</b> , Light Vocal Indian Music | College Troupe, <b>2nd place</b> , One Act Play        |
| College Team, <b>1st place</b> , Group Singing Indian             | College Team, <b>3rd place</b> , Group Singing Western |
| Collee Team, <b>1st place!</b> , Folk Dance                       | Harishchandra Sawant, <b>3rd plae</b> , Clay modelling |
| College Team, <b>1st place</b> , Skit                             | Sameer Vernekar, <b>3rd place</b> , Rangoli            |
| Sidney Rodrigues, <b>2nd place</b> , Western Vocal Solo           | Rupesh Kurpaskar, <b>3rd place</b> , Cartooning        |
| Dipak Pednekar, <b>2nd place</b> , On the Spot Paiting            | College Team, <b>3rd place</b> , Mime                  |

4.9.10 **Any other information:**

**Staff:**

- 1) M.M. Chikodikar, Lecturer in Economics, has been elected as a Fellow and has been awarded Fellowship of Bhabha Institute of Management Science, Udaipur.
- 2) Betty D'Silva, Director of Physical Education has won three Gold Medals in Shot-Put, Discuss Throw and Javelin Throw respectively in State level Athletic Championship organised by Goa Amateur, Athletic Association, Panaji, in December 1996.3) G.S. Badiger, Lecturer in Geography, has been awarded Ph.D degree by Karnataka University, Dharwad, in April 1997.
- 3) Gurudev S. Badiger, was conferred Ph. D. in Geography, for his thesis entitled "*Spatial Structural & Ecological aspects of Industrial Development in Goa*"

**Student:**

1) Rajendra Adconkar secured first prize in Konkani section and Shri Sriram Manerikar who presented a Marathi poem was adjusted as best poet at the Kavi Sammelan organised by C.E.S. College of Arts & Commerce, Cuncolim.

**(10) P.E.S. College of Arts & Science, Ponda.****4.10.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)**

|  |  |
|--|--|
| <b>A.K. Heblekar</b> , PhD, <i>Principal</i> , Physics             | <b>Deeparani Kulshreshtha</b> , M.Sc., <i>Lecturer</i> , Zoology       |
| <b>M.V. Dixit</b> , M.Phil, <i>Lecturer</i> , Physics              | <b>Sunita R. Borkar</b> , M.Sc., <i>Lecturer</i> , Microbiology        |
| <b>G.V.S. Kundaikar</b> , M.Phil, <i>Lecturer</i> , Physics        | <b>Caroline F.E. Fernandes</b> , M.Sc., <i>Lecturer</i> , Microbiology |
| <b>S.H.P. Keluskar</b> , M.Phil, <i>Lecturer</i> , Physics         | <b>Meenal Kaushik</b> , M.Sc., <i>Lecturer</i> , Microbiology          |
| <b>Mandakini V. Rane</b> , M.Sc, <i>Lecturer</i> , Physics         | <b>V.S. Samant</b> , M.A., <i>Lecturer</i> , Maths                     |
| <b>Sachin S. Desai</b> , M.Sc., <i>Lecturer</i> , Physics          | <b>M.N. Kulkarni</b> , M.Sc., <i>Lecturer</i> , Maths                  |
| <b>A.S. Dinge</b> , Ph.D., <i>Lecturer</i> , Chemistry             | <b>Mita G. Nadkarni</b> , M.Sc., <i>Lecturer</i> , Comp. Awareness     |
| <b>S.D. Gokakakar</b> , M.Sc., <i>Lecturer</i> , Chemistry         | <b>B.V. Apte</b> , M.A., <i>Lecturer</i> , English                     |
| <b>R.G. Shetkar</b> , M.Sc., <i>Lecturer</i> , Chemistry           | <b>A.V. Bhandiwad</b> , M.A., <i>Lecturer</i> , Economics              |
| <b>B.L. Malik</b> , Ph.D., <i>Lecturer</i> , Chemistry             | <b>J.G.R. Monteiro</b> , M.A., <i>Lecturer</i> , Economics             |
| <b>V.D. Vaze</b> , M.Sc., <i>Lecturer</i> , Chemistry              | <b>K.R. Kunkolienkar</b> , Ph.D., <i>Lecturer</i> , Philosophy         |
| <b>Vikas J. Pissurlekar</b> , M.Sc., <i>Lecturer</i> , Chemistry   | <b>Anjali M. Rao</b> , M.A., <i>Lecturer</i> , Philosophy              |
| <b>Anuradha B. Kanolkar</b> , M.Sc., <i>Lecturer</i> , Chemistry   | <b>V.V. Kamat</b> , Ph.D., <i>Lecturer</i> , History                   |
| <b>Anita Tilve Manekar</b> , Ph.D., <i>Lecturer</i> , Chemistry    | <b>Padmaja V. Kamat</b> , M.A., <i>Lecturer</i> , History              |
| <b>Virendra S. Dangui</b> , M.Sc., <i>Lecturer</i> , Chemistry     | <b>P.R. Hede</b> , Ph.D., <i>Lecturer</i> , Pol. Science               |
| <b>Brenda F. Souza</b> , M.Sc., <i>Lecturer</i> , Chemistry        | <b>Badruddin</b> , M.Phil, <i>Lecturer</i> , Pol. Science              |
| <b>Harsha Uskaikar</b> , M.Sc., <i>Lecturer</i> , Chemistry        | <b>V.V. Prabhudesai</b> , M.Phil, <i>Lecturer</i> , Marathi            |
| <b>Seema V. Kamat</b> , M.Sc., <i>Lecturer</i> , Botany            | <b>Dipak R. Chatre</b> , M.A., <i>Lecturer</i> , Marathi               |
| <b>Kasturi N. Desai</b> , Ph.D., <i>Lecturer</i> , Botany          | <b>S. Ramaswamy</b> , Ph.D., <i>Lecturer</i> , Hindi                   |
| <b>P. Bhattacharya</b> , Ph.D., <i>Lecturer</i> , Botany           | <b>Uma Priolkar</b> , M.A., <i>Lecturer</i> , Hindi                    |
| <b>Ranjita P. Prabhu Gaonkar</b> , M.Sc., <i>Lecturer</i> , Botany | <b>D.M. Desai</b> , M.P.Ed. , <i>Director</i> , Physical Education     |
| <b>Vanita P. Valvaikar</b> , M.Sc., <i>Lecturer</i> , Botany       | <b>Bhushan V. Bhave</b> , M.A., <i>Lecturer</i> , Konkani              |
| <b>Lynette Fernandes</b> , M.Sc., <i>Lecturer</i> , Botany         | <b>Ulhas Y. Naik</b> , M.A., <i>Lecturer</i> , Konkani                 |
| <b>Susan Marcos</b> , M.Sc., <i>Lecturer</i> , Zoology             | <b>Flavia Maria Noronha</b> , M.A., <i>Lecturer</i> , Psychology       |
| <b>A.V. Deshpande</b> , Ph.D., <i>Lecturer</i> , Zoology           | <b>Priya U. Sabnis</b> , M.A., <i>Lecturer</i> , Psychology            |
| <b>S.H. Bhosale</b> , Ph.D., <i>Lecturer</i> , Zoology             | <b>Deepa C. Fernandes</b> , M.Sc., <i>Lecturer</i> , Zoology           |
| <b>G.P.P. Ithanolkar</b> , M.Sc., <i>Lecturer</i> , Zoology        |  |
| <b>Teja V. Gramopadhye</b> , M.Sc., <i>Lecturer</i> , Zoology      |  |

**4.10.5 Seminars/Conferences/Workshops, etc.**

(a) **Organized:** (Theme, Dates, Funding Agency, Name of Department)

*Accountability of Teachers in Higher Education*, 14/10/96, P.E.S. College

**4.10.8 Data regarding students registration:**

| Year | B.A. | B.Sc. |
|------|------|-------|
|      | 182  | 181   |
| if   | 142  | 137   |
| III  | 166  | 124   |

## (11) Naval Academy, INS Mandovi, Verem

### 4.11.1 List of Teaching Staff: (Name, *Designation*, Subject)

Thomas Koshy, *Principal*,  
**R.J. Pandey**, *Vice Principal*, Maths  
S.K. Kuruparan, *Registrar*, Meteorology &  
Oceanography  
K. Padmanabhan, Physics  
C. Venketeswar, Physics  
K. Mukherjee, Computer Science  
S. Sivakumar, Physics **Dhall**, Maths

**Anil Ithemani**, Physics  
**Meenu**, Physics  
C. Ramadevi, Maths  
**S. Baluni**, Maths  
Y.U. Rizvi, Physics  
**A. Muthuraman**, *Head of Faculty*, Economics  
K.F. Joy, *Demonstrator*, Physics Laboratory

### 4.11.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, *Title of Lecture*, Date)

Dr. Sengupta, NIO, Dona Paula, "*Oceanography - An over View*", \*  
**Prof. K.M. Mathew**, Goa University, *Maritime Histoty of India with special reference to doa.*, \*

### 4.11.8 Data regarding students registration:

| Course No.    | No.53 | No.54 | No.55 | No.56 | No.57 | No.58 |
|---------------|-------|-------|-------|-------|-------|-------|
| No. of Cadets | 18    | 21    | 23    | 32    | 17    | 19    |

## (12) C.E.S. College of Arts & Commerce, Cuncolim.

### 4.12.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Subject)

D.L. Naik, M.A., *Principal*, History  
Xavier M. Martins, Ph.D., *Lecturer*, History  
Laximan G. Naik, [M.Com.](#), *Lecturer*, Commerce  
Savita S. Nadkarni, [M.Com.](#), *Lecturer*,  
Accountancy  
Argemiro Rodrigues, [M.Com.](#), *Lecturer*,  
Accountancy  
Sanjay P. Sawant Dessai, [M.Com.](#), *Lecturer*,  
Accountancy  
Sarala V. Katageri, M.A., *Lecturer*, Political  
Science  
Teja N. Usgaonkar, M.A, *Lecturer*, Political  
Science  
**Sunitha Reddy**, M.A., *Lecturer*, *English*  
**Anand S. Dessai**, M.Sc., *Lecturer*, Mathematics  
**Chatura R. S. Sancordenkar**, M.A., *Lecturer*,  
Hindi

Apoorva **A. Marathe**, M.A., *Lecturer*,  
Economics  
Avinash V. **Raikar**, M.A., *Lecturer*, Economics  
Augusto **J. Pinto**, M.A., *Lecturer*, English  
Maria Fatima Monteiro, M.A., *Lecturer*,  
Eng'Ish  
**Prakash R. Morakar**, M.Phil., *Lecturer*,  
Geography  
Ganapati B. Naik, M.A., *Lecturer*, Geography  
Sayed Rizwana P., M.A., *Lecturer*, Sociology  
**Tolentina Xavier**, LL.B., *Lecturer*, Business Law  
**Salokhe Sushama S.**, M.A., *Lecturer*, Marathi  
Fernandes Cosma B., M.A., *Lecturer*, Konkani  
**Chopdekar Hanumant C.**, M.A., *Lecturer*,  
Konkani  
**Rarnlal S. Vernekar**, M.P.Ed., *Director*, Physical  
Education

### 4.12.8 Data regarding students registration:

| Year | B. A. | B. Corn. |
|------|-------|----------|
|      | 59    | 61       |
| II   | 45    | 57       |
|      | 63    | 82       |

#### 4.12.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(b) Sports: (Name of Student/Team, Achievement (Medal/Place), Sports)

Men's Team, Gold Medal, Foot-ball

Women's Team, Gold Medal, Kho-Kho

### (13) Government College of Arts & Commerce, Sanquelim

#### 4.13.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

B.A. Gomes, Ph.D., Principal, Economics

P.N. Thomas, M.Sc., Lecturer, Botany

R.K. Tari, M.Sc., Lecturer, Botany

Sowmini Thomas, M.Sc., Lecturer, Zoology

K.S. Muralidhar, Ph.D., Lecturer, Zoology

Preethi Thomas, M.Sc., Lecturer, Zoology

Vaibhav Chindraker, M.Sc., Lecturer, Zoology

D.B. Arolkar, Ph.D., Lecturer, Geology

Anil Karambalkar, M.Sc., Lecturer, Geology

J.P.P. Pacheco, M.Sc., Lecturer, Chemistry

Ashok Chodankar, M.Sc., Lecturer, Chemistry

Rosalina Pereira, M.Sc., Lecturer, Chemistry

J. Bhattacharjee, Ph.D., Lecturer, Chemistry

Purnakala Samant, M.Sc., Lecturer, Chemistry

Varsha Sail, M.Sc., Lecturer, Chemistry

N.B. Bhat, M.Phil, Lecturer, Physics

S. Jahagirdar, M.Phil, Lecturer, Physics

Nilesh Natekar, B.E., Lecturer, Computer  
Science

Nehar Nitu Singh, M.Sc., Lecturer, Computer  
Science

C. Rao, M.Com., Lecturer, Commerce

M.B. Gosarwadekar, M.Com., Lecturer,  
Commerce

Radhamani Divakar, M.Com., Lecturer,  
Commerce

Manda Parab, M.Com., Lecturer, Commerce

Vanita Patil, M.Com., Lecturer, Commerce

Mahendra Pednekar, M.Sc., Lecturer, Physics

D.G. Bandiwadekar, M.Sc., Lecturer,  
Mathematics

Santosh George, Ph.D., Lecturer, Mathematics

Ramrao Wagh, M.C.A., Lecturer, Computer  
Science

Sujata Gaonkar, M.C.A., Lecturer, Computer  
Science

Gervasio Mendes, M.A., Lecturer, Economics

Agnela Dias, M.A., Lecturer, Economics

Shilpa Satoskar, M.A., Lecturer, Economics

K.K. Bable, M.P.Ed., Director, Physical  
Education

K.R. Badiger, Ph.D.D.G.S., Lecturer, Geography

Josephine Dias, M.A., Lecturer, Geography

Lucy James Arolkar, M.A., Lecturer, English

Maria Helena Souza, M.Phil, Lecturer, English

S. Jamkhandi, M.A., Lecturer, English

Sayed Abdullah S.M., M.Phil, Lecturer, Political  
Science

Rekha Mishra, M.A., Lecturer, History

S.A. Joshi, Ph.D., Lecturer, Hindi

Sunita Kanekar, M.A., Lecturer, Konkani

Norma Menezes, M.A., Lecturer, Philosophy

Sneha S.P. Mahambre, M.Phil, Lecturer,  
Marathi

#### 4.13.5 Seminars/Conferences/Workshops, etc.

(b) (i) Attended: Seminars/Conferences: (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

Santosh George, I.I.T, Madras, \*, Simplified Regularisation in Hilbert's Scales

#### 4.13.6 (a) Publications (Research Articles): (Name of Teacher, Title, Journal, Volume, Month/Year)

Santosh George, Simplified regularisation in Hilbert Scales, Proceedings of the Seminar, \*, \*

#### 4.13.8 Data regarding students registration:

| Year | B.A.. | <a href="#">B.Com</a> | B. Sc. |
|------|-------|-----------------------|--------|
|      | 109   | 127                   | 124    |
| II   | 79    | 87                    | 77     |
| III  | 102   | 85                    | 71     |

#### 4.13.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(a) Academic: Name of Student, **Achievement** (i.e. rank etc.), Examinations

Vanita Vinayak Thakur, **2nd Rank**, B.Sc.

Austin S. F. D'Souza, **2nd Rank**, B.Sc.

Gauri Umesh Deshpande, **3rd Rank**, [B.Com](#).

### (14) Goa College of Home Science, Panaji.

#### 4.14.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Subject)

Zahira Pabani, Ph.D., *Principal*

Daisy John, *M.Sc., Lecturer*

Parvathi Rao, *M.Sc., Lecturer*

Rajal Shinkre, *M.Sc., Lecturer*, Foods & Nutrition

Singuella de Cunha, *M.Sc., Lecturer*, Child Development

Rita Godinho, *M.Sc., Lecturer*, Textiles & Clothing

Ranju Kunkalikar, *M.Sc., Lecturer*, Foods & Nutrition

Charlotte Facho, *M.Sc., Lecturer*, Textiles & Clothing

#### 4.14.8 Data regarding students registration:

| Year | B.Sc. Home Science. |
|------|---------------------|
|      | 44                  |
| II   | 35                  |
| III  | 38                  |

### (15) Govt. College of Arts, Science & Commerce, Khandola.

#### 4.15.1 List of Teaching Staff: (Name, Qualifications, *Designatioq*, Subject)

John B. Fernandes, Ph.D., *Principal*, Chemistry

Jivexa Bhattacharjee, Ph.D., *Lecturer*,  
Chemistry

S.M. Gurav, *M.Sc., Lecturer*, Chemistry

Jennifer Almedia, *M.Sc., Lecturer*, Chemistry

Ivone De Menezes, *M.Sc., Lecturer*,  
Microbiology

Dilecta Colaco, *M.Sc., Lecturer*, Microbiology

Marina F. Albuquerque, *M.Sc., Lecturer*,  
Microbiology

Jaison Joseph, *M.Sc., Lecturer*, Physics

P.V. Chodankar, *M.Sc., Lecturer*, Physics

Anita Durbhatkar, *M.Sc., Lecturer*, Computer  
Science

Ana B. Gracy Fernandes, *B.E., Lecturer*,  
Computer Science

Geeta Varkey, *BE., Lecturer*, Computer Science

Fatima D'Souza, [M.Com.](#), *Lecturer*, Commerce

Artemio Fernandes, M.Phil., *Lecturer*,  
Commerce

S.V. Sukhthankar, [M.Com.](#), *Lecturer*;  
Commerce

Nilesh Borde, [M.Com.](#), *Lecturer*, Commerce

**Lucas Miranda**, M.Phil., *Lecturer*, Mathematics  
**Varada A. Kalas**, M.Phil., *Lecturer*, Mathematics  
**Manisha S. Sajane**, BE., *Lecturer*, Computer Science  
**Anjali A. Sardessai**, M.C.A., *Lecturer*, Computer Science  
**Rajeshree Joshi, B.E.**, *Lecturer*, Computer Science

**Seema P. Rath**, M.A., *Lecturer*, Economic  
**Christina De'Souza**, M.A., *Lecturer*, Economics

**Bilial G. Dias**, Ph.D., *Lecturer*, Political Science  
**Prabir Kumar Rath**, M.Phil., *Lecturer*, Geography

**Pravina Kerkar**, M.A., *Lecturer*, Geography  
**Mahesh Pai**, M.A., *Lecturer*, Psychology  
**Usha P. Bhende**, Ph.D., *Lecturer*, History  
**Anita S. Kumar**, M.A., *Lecturer*, English  
**Isabel Dennis**, M.Phil., *Lecturer*, English  
**Asha B. Gahloth**, M.A., *Lecturer*, Hindi

**Sunetra P. Narvenkar**, M.A., *Lecturer*, Marathi  
**Prakash Vazrikar**, M.A., *Lecturer*, Konkani  
**T.S. Dey**, Ph.D., *Director*, Physical Education

#### 4.15.5 (b) (ii) **Attended Workshops:** (Name of Teacher, *Theme of Workshop*, Place, Date)

P.R. Vazrikar, *First Need-based UGC sponsored Inter-disciplinary Refresher Course in the faculty of languages*, ASC, Goa University, March 1, 1997 to March 21', 1997.

Asha Gahloth, *First Need-based UGC sponsored Inter-disciplinary Refresher Course in the faculty of languages*, ASC, Goa University, March 1", 1997 to March 21<sup>st</sup>, 1997.

Sunetra Narvenkar, *40" Orientation Course*, ASC, Goa University, May 16" to June 12<sup>th</sup>, 1996  
 Jennifer Almedia, *Refresher Course in Chemistry*, ASC, Goa University, October 24<sup>th</sup> to November 13<sup>th</sup> 1996

S.M. Gurav, *P<sup>l</sup> Refresher Course in Chemistry*, ASC, Goa University, October 24<sup>th</sup> to November 13" 1996

P.V. Chodandar, *IXth U.G.C. sponsored Refresher course in Physics*, ASC, Goa University, Jan 2<sup>nd</sup> to Jan 23<sup>rd</sup> 1997

P.V. Chodandar, *40" Refresher Course on special theme of Youth for sustainable development* Ahmednagar, March 17<sup>th</sup> to March 21" 97

T.S. Dey, *Orientation Course in Athletic Rules*, Directorate of Sports & Youth Affairs, Govt. of Goa, Campal, Panaji Goa, 7<sup>th</sup> to 12<sup>th</sup> April 1997.

Marina Albuquerque, *40" Orientation Course*, ASC, Goa University., May 16" to June 12" 1996

Nilesh Borde, *40<sup>th</sup> Orientation Course*, ASC, Goa University, May 16<sup>th</sup> to June 12<sup>th</sup> 1996

Pravina Kerkar, *40" Orientation Course*, ASC, Goa University, May 16" to June 12" 1996

#### 4.15.8 **Data regarding students registration:**

| Year       | B.A. | <u>B.Com.</u> | B.Sc. |
|------------|------|---------------|-------|
|            | 53   | 76            | 71    |
| <b>II</b>  | 32   | 56            | 33    |
| <b>III</b> | 39   | 49            | 37    |

#### 4.15.9 **Achievements:** Ranks/Merits in the University Examinations/Sports Activities

(b) **Sports:** (Name of Student/Team **Achievement** (Medals/Place etc.) Sports)

Men's Chess Team, **Runner's -up**, Chess

Women's Hockey Team, **Runner's -up**, Hockey

Chitra Gaude, **Bronze Medal**, Cross-Country

Chitra Gaude, **Silver Medal**, Long distance

Shilpa Naik, **Silver Medal**, Discuss throw

Vinod Dhuri, **Silver Medal**, **High Jump**

#### 4.15.10 **Any other information:**

1) Swaminathan V.R. (T.Y.B.Sc.) and Sandhya Seetharam (S.Y.B.Sc.) who won the debate competition organised by Goa University, represented the University at the Inter-University debate competition held in New Delhi.

2) Sandhya Seetharam (S.Y.B.Sc.) and Luanne Coutinho (F.Y.B.Sc.) bagged the Runner-up shield of the Annual Inter-Collegiate debate competition organised by Govt. College, Sanquelim.

3) Sandhya also bagged the 1<sup>st</sup> place in the All Goa Elocution contest organised by State Institute of Education and 2<sup>nd</sup> prize in the debate competition of the Inter-Collegiate Youth Festival organised by Goa University.

4) Gargi Bodke (T.Y.B.Sc.) and Ritika Bhalla (F.Y.B.Com) bagged the third place in the Inter-Collegiate debate competition organised by Carme College, Nuvem.

5) Roshan Phadte (T.Y.B.A.) bagged the 3<sup>rd</sup> place at the Inter-Collegiate "Abhang" competition organised by the college.

## (16) Government College of Arts, Science And Commerce, Quepem

### 4.16.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

**Bhaskar G. Nayak, M.A.,** *Principal, Economics*

**Renji George Amballoor, M.Phil.,** *Lecturer, Economics*

**Elizabeth J. Henriques, M.A.,** *Lecturer, Economics*

**S.N. Patil, M.A.,** *Vice Principal, Geography*

**Rufina Borges, M.A.,** *Lecturer, Geography*

**Cleopha Agnes Lobo, M.A.,** *Lecturer, Geography*

**Linda Maria Fernandes, M.Phil.,** *Lecturer, English*

**P.S. Deepa, MA,** *Lecturer, English*

**Sushila S. Mendes, M.A.,** *Lecturer, History*

**Remy Dias, MA,** *Lecturer, History*

**Vidya R. Dalvi, M.Com.,** *Lecturer, Commerce*  
**Santa N. Shahapurkar, M.Com.,** *Lecturer, Commerce*

**Anthony Sathish B., M.Phil.,** *Lecturer, Accountancy*

**Purva Hedge Dessai, C.A.,** *Lecturer, Accountancy*

**Parasharam A. Patil, M.Com.,** *Lecturer, Accountancy*

**Asha A. Mangutkar, M.A.,** *Lecturer, Marathi*

**Ashok D. Mangutkar, M.A.,** *Lecturer, Marathi*

**Bharati K. Parab, M.Phil.,** *Lecturer, Hindi*

**Brijpal Singh Galloth, M.A.,** *Lecturer, Hindi*

**Seema P. Salgaonkar, M.A.,** *Lecturer, Political Science*

**Constancio Fernandes, M.A.,** *Lecturer, Political Science*

**Rajay R. Parar, MA,** *Lecturer, Konkani*

**Shirish D. Kamat, M.Sc.,** *Lecturer, Physics*

**Narayan V. Bandodkar, M.Sc.,** *Lecturer, Physics*

**Bernadette Gomes, Ph.D.,** *Lecturer, Sociology*

**Reyna Sequeira, M.A.,** *Lecturer, Sociology*

**Miguel A.B.P.C. Martins, M.Sc.,** *Lecturer, Mathematics*

**Ehrlich D. Barreto, M.Sc.,** *Lecturer, Mathematics*

**Mehtab Jahan Bukhari, M.Sc.,** *Lecturer, Botany*

**Celly Quadros e. Coutinho, M.Sc.,** *Lecturer, Botany*

**Jovita Vina D'Costa, M.Sc.,** *Lecturer, Botany*

**Rajendra Rao Kulkarni, Ph.D.,** *Lecturer, Zoology*

**Sheena Jolly, M.Sc.,** *Lecturer, Zoology*

**Juliana Silveira, M.Sc.,** *Lecturer, Zoology*

**Rita Narayan Sharma, M.Phil.,** *Lecturer, Zoology*

**Beena K. Vernekar, M.Sc.,** *Lecturer, Chemistry*

**Maria Jacqueline Menezes, M.Sc.,** *Lecturer, Chemistry*

**Govind A. Kelkar, M.C.A.,** *Lecturer, Computer Science*

**Onkar L. Ainapur, M.Sc.,** *Lecturer, Computer Science*

**Olivia E. Pinto, B.E. Computers,** *Lecturer, Computer Science*

**Rajan Mathew, M.P.Ed,** *Director, Physical Education*

### 4.16.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (Theme, Dates, Funding Agency, Name of Department)

*Stress Management, 3.10.96 to 5.10.96, Govt. of Goa, Staff Academy*

(b) (i) **Attended: Seminars/Conferences:** (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

*Bernadette Gomes, Goa University, 22/03/97, Folk practices and Biodiversity conservation*

(b) (ii) Attended Workshops: (Name of Teacher, *Theme of Workshop*, Place, Date)

B.G. Nayak, *Autonomous Colleges*, S.P. Chowgule College Margao., \*

4.16.8 Data regarding students registration:

| YEAR       | B.A. | B.Sc. | <u>B.Com.</u> |
|------------|------|-------|---------------|
|            | 76   | 63    | 120           |
| <b>II</b>  | 65   | 65    | 50            |
| <b>III</b> | 50   | 55    | 58            |

4.16.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(b) Sports: Name of Student/Team, Achievement (Medals/Place etc.), Sports  
 Team(Women), Winner, Cross country race  
 Team (Women). Winner, Athletics championship  
 Team(Men), Winner, Power lifting championship  
 Team(Men), Runners-up, Weight lifting.  
 Team(Men), Third Place, Cycling competition  
 Team(Women), Runners-up, Kho-kho Tournament  
 Lucia Baretto, Iron Women, Athletic  
 Team (Women), Gold(6),Silver(5) and Bronz(4) medals, Athletic meet  
 Govind Bhisse, Iron Man, Weight Lifting & Power Lifting

4.16.10 Any other information:

Joaquina Dias, Represented West-zone Athletic and Federation Cup National Athletic meet.

## (17) Rosary College of Commerce & Arts, Navelim

4.17.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Subject)

|  |  |
|--|--|
| Newman Fernandes, M.A., <i>Principal</i> ,<br>Psychology                           | Sonia F. Vaz, M.A., <i>Lecturer</i> , Economics                                |
| Savio Falleiro, M.A., <i>Lecturer</i> , Economics                                  | Jim Barreto, <u>M.Com.</u> , <i>Lecturer</i> , Commerce &<br>Accountancy       |
| Neeta Mazumdar, M.Sc., <i>Lecturer</i> , Mathematics                               | Farha Razaq, M.A., <i>Lecturer</i> , English                                   |
| Anna Rodrigues, M.A., <i>Lecturer</i> , English                                    | Alison Dias, M.A., <i>Lecturer</i> , History                                   |
| Smita N. Fernandes, M.A., <i>Lecturer</i> , Geography                              | Juao C. Costa, <u>M.Com.</u> , <i>Lecturer</i> , Com. &<br>Accountancy         |
| Filipe Rodrigues e Melo, <u>M.Com.</u> , <i>Lecturer</i> ,<br>Com. & Accountancy   | Charmaine D'Souza, <u>M.Com.</u> , <i>Lecturer</i> ,<br>Commerce & Accountancy |
| Bhalchandra Gaonkar, M.A., <i>Lecturer</i> , Konkani                               | Sandra Vaz D'Cruz, MCA, <i>Lecturer</i> , Computer<br>Awareness                |
| Francis X. Lobo, M.P.Ed., <i>Director of <u>Plzy. Edu.</u></i> ,<br>Phy. Education | Ubaldina Noronha, M.A., <i>Lecturer</i> , Psychology                           |
| Robert Fernandes, <u>M.Com.</u> , <i>Lecturer</i> ,<br>Commerce & Accountancy      | Maria L. Dias, M.Lib., <i>Lecturer</i> , Library                               |
| Afonso Botelho, M.A., <i>Lecturer</i> , Sociology                                  | Tolentina Xavier, L.L.B., <i>Lecturer</i> , Business<br>Law                    |
| Priya Carvalho, M.A., <i>Lecturer</i> , English                                    | Janet Borges, M.A., <i>Lecturer</i> , Hindi                                    |



**Tanya Marchon**, M.A., *Lecturer*, Psychology  
**Helic Barretto**, [M.Com.](#), *Lecturer*, Commerce &  
Accountancy

**Nitayanand Naik**, M.A., *Lecturer*, Konkam  
**Rita Braganza**, M.A., *Lecturer*, History

#### 4.17.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Workshop for Sociology Lecturers/Project work*, 16.04.1996, *Rosary College of Commerce & Arts*,  
Sociology Department

*Workshop for Psychology Lecturers*, 28.09.1996, *Rosary College of Commerce & Arts*, Psychology  
Department

#### 4.17.8 Data regarding students registration:

| Year   | B.A. | <a href="#">B.Com</a> |
|--------|------|-----------------------|
| First  | 112  | 147                   |
| Second | 42   | 11                    |
| Third  | 42   | 28                    |

#### 4.17.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(b) **Sports:** (*Name of Student/Team, Achievement (Medals/Place etc.) Sports*)

Miss Sharmila Furtado, **2 nd Place**, Cross Country Competition

Miss Sharmila Furtado. **2 nd Place**, Athletics

College Team, **Runners-up**, Women's Foot-ball

### (18) Saraswat Vidyalaya's College of Commerce & Management Studies, Mapusa

#### 4.18.1 List of Teaching Staff: (*Name, Qualifications, Designation, Subject*)

**Dhirendra Deshpande**, M.Phil., *Principal*,  
Commerce

**Santosh Patkar**, [M.Com.](#), *Lecturer*, Commerce

**Sukhaji Naik**, [M.Com.](#), *Lecturer*, Accountancy

**Pragati Bhonsle**, [M.Com.](#), *Lecturer*,  
Accountancy

**Satyajit Hirve**, [M.Com.](#), *Lecturer*, Accountancy

**Smith Shrivastava**, M.M.S., *Lecturer*,

Management

**Sterol Godinho**, [M.Com.](#), *Lecturer*, Management

**Sharmila Borkar**, M.A., *Lecturer*, Economics

**P.K. Sudarshan**, Ph.D., *Lecturer*, Economics

**Henriques D'Souza**, M.A., *Lecturer*, Economics

**Ira Bhattacharya**, M.Phil., *Lecturer*, English

**Maria Nina Peres**, M.Sc., *Lecturer*, Mathematics

**Smruti Haldankar**, B.E (Comp.), *Lecturer*,  
Computer

**Jayesh Churl**, M.P.Ed., *Director*, Physical  
Education

**D.M. Jakati**, M.A. *Lecturer*, Geography

**R.V. Kunkolienkar**, L.L.M., *Lecturer*, Law

#### 4.18.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Workshop - Business Environment*, 07/08/96, Goa University,

*Workshop - Business Law*, 29/09/96, Goa University,

#### 4.18.8 Data regarding students registration:

|      |                        |
|------|------------------------|
| Year | <a href="#">B.Com.</a> |
|      | 158                    |
| II   | 95                     |
| III  | 117                    |

#### 4.18.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities) (b) Sports:(Name of Student/Team, Achievement (Medals/Place etc.), Sports)

College Team, 1<sup>st</sup> place, All Goa Cross Country Race

#### 4.18.10 Any other information:

##### Staff:

P.K. Sudarsan was awarded Ph.D. in Economics for the thesis entitled *Issues and persepective: in forest Economics. A study based on pulp & paper industry in India.*

##### Students:

Oscar Menezes was selected for State Football Team

### (19) Fr. Agnel College of Arts and Commerce, Pilar

#### 4.19.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

P.D. Xavier, Ph.D, *Principal*, History  
Mario D'Souza, MBA, *Lecturer*, Economics  
Roy Alvaro Gomes, M.A., *Lecturer*, Economics  
Mini Gangadharan, M.A., *Lecturer*, Economics  
Annie Shakoor, M.A., *Lecturer*, English  
Maria Da'Cruz, M.A., *Lecturer*, English  
Shailendra Mehta, M.A., *Lecturer*, Political Science  
Nazarana Shaik, M.A., *Lecturer*, Political Science  
Hazel Colaco, [M.Com.](#), *Lecturer*, Commerce  
Reji George, [M.Com.](#), *Lecturer*, Commerce

Anthony Rodrigues, [M.Com.](#), *Lecturer*, Commerce  
Buila Pereira, M.A., *Lecturer*, Sociology  
Fredrick Rodrigues, M.A., *Lecturer*, Sociology  
Loren Mergulhao, M.Sc., *Lecturer*, Maths & Computer  
Santosh Chyari, M.A., *Lecturer*, Hindi  
Rajeshri Sail, M.A., *Lecturer*, Konkani  
Rane Amarsen, LL.M., *Lecturer*, Business Law  
Agnelo Dias, M.P.Ed, *Physical Director*,  
Ana Soraya Sa, M.A., *Lecturer*, History

#### 4.19.8.Data regarding students registration:

|      |      |                        |
|------|------|------------------------|
| Year | B.A. | <a href="#">B.Com.</a> |
|      | 43   | 72                     |
| II   | 27   | 53                     |
| III  | 26   | 37                     |

### (20) Shree Mallikarjun College of Arts & Commerce, Canacona

#### 4.20.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

Jagmohan Singh, M.A., *Offtg. Principal*, Economics  
F.M. Nadaf, M.A., *Lecturer*, Geography  
C.P. Hiremath, PhD, *Lecturer*, Geography  
Sucheta Naik, [M.Com.](#), *Lecturer*, Commerce  
Rupa Chari, M.A., *Lecturer*, Hindi

Puranand Chari, M.A., *Lecturer*, Konkani  
Blossom Medeira, M.A., *Lecturer*, History

V.R. Pawaskar, M.A., *Lecturer*, English  
Tanuja Fa! Desai, M.Sc., *Lecturer*, Maths  
Kshama Desai, [M.Com.](#), *Lecturer*, Commerce  
Sandesh Sawant, [M.Com.](#), *Lecturer*, Commerce

Domital D'Souza, M.A., *Lecturer*, History  
Pramada Desai, M.A., *Lecturer*, Marathi  
Savio Leitao, M.P.Ed., *Director*, Physical  
Education

#### 4.20.8 Data regarding students registration:

| Year | B.A. | <a href="#">B.Com.</a> |
|------|------|------------------------|
|      | 52   | 49                     |
| II   | 39   | 30                     |
|      | 31   | 33                     |

#### 4.20.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(b) **Sports:** (Name of Student/Team, **Achievement** (Medals/Place etc.), Sports)

Prabhu Desai Ashok, **Bronze**, Athletic Meet

### (21) Government College of Arts & Commerce, Pernem.

#### 4.21.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

M.M. Sangodkar, Ph.D., *Principal*, Political  
Science

G.A. Hedge, [M.Com.](#), *Lecturer*, Commerce  
Nirmala D. Joanita De Abreu, M.A., *Lecturer*,  
Economics

Satish N. Sanval, M.A., *Lecturer*, Economics

B.K. Haravi, M.A., *Lecturer*, Geography

Ishani Roy, M.Phil., *Lecturer*, Geography

Deepa P.S., M.A., *Lecturer*, English

Amrita A. Dingo, M.A., *Lecturer*, Hindi

Neeta R. Tome, M.A., *Lecturer*, Marathj

#### 4.21.5 Seminars/Conferences/Workshops, etc.

(b) (i) **Attended:Seminars/Conferences:** (Name of Teacher, *Theme of Conference*, Place, Date, *Title of Paper*)

Soniya R. Sirsat, "*Women Writers & Metropolitan Life*", Goa University, 31' March, 97, "*Mahanagar Ke adhunikta se Virasat Mein mill mulyahinta: Amrita Pritcim ke Upanyason ke sandarbh mein*"

#### 4.21.6 (a) **Publications (Research Articles):** (Name of Teacher, *Title*, **Journal**, **Volume**, Month/Year)

Soniya R. Sirsat, *Goa Mein Natak Natyavritt.*, "**Natarang**" **Patrika**, August 1996

Soniya R. Sirsat, *Mujhe aur Kya Chaliye*, **Sahitya Set Sagar Patrika**, 2, May 1997

#### 4.21.8 Data regarding students registration:

| Year | BA. | <a href="#">B.Com</a> |
|------|-----|-----------------------|
|      | 48  | 46                    |
| II   | 29  | 19                    |
| III  | 27  | 34                    |

#### 4.21.10 Any other information:

Soniya R. Sirsat co-scripted directed and produced a street play on Voter Awareness as a part of the National Voter Awareness Campaign organised by the Office of the Chief Electoral Officer, Govt. of Goa in the year 1997.

### (22) Narayan Zantye College of Commerce, Bicholim

#### 4.22.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

**Arun Sakhardande**, [M.Com.](#), *Principal*,  
Commerce

**Rajesh Amonkar**, [M.Com.](#), *Lecturer*, Commerce

**Achut Pednekar**, [M.Com.](#), *Lecturer*, Commerce

**Sankaranarayanan K.G.**, [M.Com.](#), *Lecturer*,

**Nayana Sail**, [M.Com.](#), *Lecturer*, Accountancy

**Nandini Kamat**, *M.Sc.*, *Lecturer*, Mathematics

**Smita Potdar**, *M.A.*, *Lecturer*, Economics

**Sherin Davangeri**, *M.A.*, *Lecturer*, English

**Pral in Sawant**, [M.Com.](#), *Lecturer*, Cost &

Management Accounting

**Jhimli Adhikari**, *M.C.A.*, *Lecturer*, Computer

**Mallika Fernandes**, *M.Sc.*, *Lecturer*, Geography

**Satish Prabhugaonkar**, *LL.B.*, *Lecturer*,

Business Law

#### 4.22.5 (b) (ii) Attended Workshops: (Name of Teacher, Theme of Workshop, Place, Date)

Arun Sakhardande, *Orientation Programme in Planning and Administration for College Principals.*,  
Delhi, \*

#### 4.22.8 Data regarding students registration:

|            |                       |
|------------|-----------------------|
| Year       | <a href="#">B.Com</a> |
|            | 145                   |
| <b>I</b>   | 49                    |
| <b>III</b> | 51                    |

#### 4.22.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(b) **Sports:** Name of Student/Team, **Achievement** (Medals/Place etc.), Sports

Kabaddi (Women) Tournament, **Runners-up**, Kabaddi Tournament

(c) **Cultural:** Name of student/Team, **Achievement** (Honours/Prize, Activity)

Nilesh Naik, **Second Place**, Rangoli Competition

### (23) Goa College of Pharmacy, Panaji

#### 4.23.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

**J. Emmanuel**, *M.Pharm.*, *Principal*, Pharma.  
Chemistry

**R.G. Bhatkar**, *M.S.*, *Asst. Professor*, Pharma.  
Chemistry

**S.S. Amonkar**, *M.Pharm.*, *Lecturer*, Pharma.  
Chemistry

**M.G. Pai**, *M.Pharm.*, *Lecturer*, Pharma.  
Chemistry

**D.M. Shingal**, *M.Pharm.*, *Asst. Professor*,  
Pharma. Analysis

**R.V. Gaitonde**, *Ph.D.*, *Professor*, Pharmacognosy

**M.P. Bhoje**, *M.Pharm.*, *Lecturer*,  
Pharmacognosy

**B. Satyanath**, *Ph.D.*, *Professor*, Pharmaceutics

**R.V. Keny**, *M.Pharm.*, *Lecturer*, Pharmaceutics

Anthony Menezes, Ph.D., *Lecturer*, Pharma. Chemistry  
 Lilian Almedia, M.Pharm., *Lecturer*, Pharma. Chemistry  
 R.V. Tamba, Ph.D., *Professor*, Pharma. Analysis

**S.D. Phadnis**, M.Pharm., *Asst. Professor*, Pharmacology  
**M.H.S. Godinho, M.Pharm., Lecturer**, Pharmacology

#### 4.23.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (*Theme*, Dates, *Funding Agency*, Name of Department)

*National Workshop on Radiochemistry and Applications of Radio-Isotopes*, 18<sup>th</sup> to 27<sup>th</sup> November 1996, *Sponsored by various agencies*, Pharmacy and Department of Chemistry, Goa University

(b) (ii) Attended Workshops: (Name of Teacher, *Theme of Workshop*, Place, Date)

Anthony Menezes, *AICTE Sponsored faculty development Programme*, Mumbai, 18<sup>th</sup> November to 7<sup>th</sup> December, 1996

S.S. Amonkar, *AICTE Sponsored faculty development Programme*, Mumbai, 18<sup>th</sup> November to 7<sup>th</sup> December, 1996

Maya P. Bhohe, *National workshop on Radiochemistry and Applications of Radioisotopes*, Goa, \*

M.H.S. Godinho, *National workshop on Radiochemistry and Applications of Radioisotopes*, Goa, \*

#### 4.23.8 Data regarding students registration:

| Year     | I  | II | III | IV |
|----------|----|----|-----|----|
| B. Pharm | 42 | 37 | 29  | 24 |

## (24) College of Engineering, Farmagudi.

#### 4.24.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Department)

**S.N. Lail, Ph.D., Principal**,

**R.L. Shanbhag**, Ph.D., *Prof & Head*, Mech. Engg.

**A.M. Deshmukh**, Ph.D., *Prof & Head*, Civil Engg.

**R.P. Adgaonkar**, Ph.D., *Prof*, Electrical & Computer Engg.

**K.R. Pai**, Ph.D., *Prof & Head*, Electronics & Tel. Engg.

**S.V. Ramachandran**, Ph.D., *Prof*, Civil Engg.

**S.B. Sheldarkar**, M.Tech., *Asstt. Prof*, Civil Engg.

**A.D. Telang**, M.Tech., *Asstt. Prof*, Mech. Engg.

**R. Vellingiri**, Ph.D., *Asstt Prof.*, Mathematics

**P.D. Pai**, M.E., *Asstt. Prof*, Civil Engg.

**Jyotna Kamal**, M.E., *Asstt. Prof*, Electrical Engg.

**C.S. Hadimani**, M.E. *Asstt Prof*, Mech. Engg.

**Varguese Joseph**, M.E. *Asstt. Prof*, Electrical

**Addappa Jalihal**, M.Sc., *Lecturer*, Geology

**Jaimol Thomas**, M.Tech., *Asstt. Prof*, Electrical Engg.

**J.J. Goliwadekar**, M.Tech., *Asstt. Prof*, Mech. Engg.

**V.N. Shet**, M.E. *Asstt. Prof*, Electronics & Tel. Engg.

**Madhumita Tamhane**, M.Tech., *Asstt. Prof*, Electronics & Tel. Engg.

**Mahesh Gadag**, M.Tech., *Assn. Prof*, Electronics & Tel.

**Laxminarayan J.A.**, M.E., *Asstt. Prof*, Computer Engg.

**Subhash P. Borkar**, M.Tech., *Asstt. Prof*, Electrical Engg.

**S.V. Balsubramanian**, B.E., *Lecturer*, Metallurgy

**Filomena A. Rodrigues**, M.A., *Lecturer*, Mech.

**S.N. Betageri**, B.Tech., *Lecturer*, Civil Engg..

Engg.  
**Uday Amonkar**, M.E. *Asstt Prof*, Ind. Engg.  
**P. Raja**, M.E. *Asstt. Prof*, Electronics and Tel. Engg.  
**C.S. Gokhale**, M.E. *Asstt. Prof*, Civil Engg.  
**K.G. Gupta**, M.E., *Asstt. Prof.*, Civil Engg.  
**Prakash R. Mutgi**, M.E. *Asstt. Prof*, Civil Engg.  
**U.M. Prabhudesai**, M.E., *Workshop Superintendent*,  
**Digambar V. Shirodkar**, M.E., *Asstt. Workshop Superintendent*,  
**N.D. Goswami**, M.A., *Lecturer*, Humanities  
**M.G. Kulkarni**, M.Sc., *Lecturer*, Chemistry

**Sebastian Benjamin Mesquita, Ph.,D., Lecturer**,  
 Mathematics  
**Ujwala Phadke**, M.Sc., *Lecturer*, Mathematics  
**A.K.S. Bhadauriah**, M.E., *Asstt, Prof*, Env, Science

**George Easaw**, M.E., *Lecturer*, Mech.  
**V. Mariappan**, M.E., *Lrcturer*, Mech.  
**Govind R. Kunkoliekar**, M.E., *Lecturer*,  
 Electrical  
**Umesh Bapat**, B.E., *Lecturer*, Computer Engg.  
**T. Krishnakumari, B.Tech.**, *Lecturer*, Electrical  
**Chanda Pathak**, B.Sc., *Lecturer*, Civil Engg.  
**Ganesh Hegde, B.E.**, *Lecturer*, Civil Engg.  
**Wilma Fernandes**, B.E., *Lecturer*, Civil Engg.  
**S. Muthuluru Rayadu**, B.E., *Lecturer*, Electrical  
**Milling Sakhardande, B.E.**, *Lecturer*, Mech.  
**B.R. Kulkarni**, M.E., *Lecturer*, Mech.  
**D'Silva D'costa Culaco Taina Venessa, B.E.**,  
*Lecturer*, Electronics & Tel.  
**Ameeta Chimulkar, B.E.**, *Lecturer*, Electronics.  
**Anirudha Chan, M.Sc.**, *Lecturer*, Physics  
**Sanjay Bokal, B.E.**, *Lecturer*, Computer Science  
**Maruska Mascarenhas, B.E.**, *Lecturer*,  
 Computer Science

#### 4.24.5 Seminars/Conferences/Workshops, etc.

(b) (ii) **Attended:Workshops:** (Name of Teacher, *Theme of Workshop*, Place, Date.)

V. Mariappan, *Use of Natural gas in IC Engines*, IIT, Madras, 2nd to 6th, December,1996  
 George Easaw, *Use of Natural gas in IC Engines*, IIT, Madras, 2nd to 6th, December,1996  
 Ganesh Hegde, *Orientation Course*, Goa University, 16<sup>th</sup> May to 12<sup>th</sup> June,1996  
 A. Jalihal, *Orientation Course*, Goa University, 16<sup>th</sup> May to 12<sup>th</sup> June,1996  
 D. V. Shirodkar, *Mission Tools Drivers and Controls*, P.G.S. College of Technology, Coimbatore, 15th  
 November 1996 to 2nd December 1996

#### 4.24.6 (a) Publications (Research Articles): (Name of Teacher, *Title*, **Journal**, **Volume**, Month/Year)

A.M. Deshmukh, *Suction strength behaviour of a sandstone*, **Indian Geotechnical Conference Madras, 1**, December 1996  
 A.M. Deshmukh, *Strength and Geophysical Behaviour of Metagraywacke rock*, **Asian Rock Mechines Symprium, Korea, 1**, October,1996

#### 4.24.8 Data regarding students registration:

| Year Found. | Civil | Mech. | Electrical | Electronics & Tel | Comp. | M.E. (Found.) | M.E. (Ind.) |
|-------------|-------|-------|------------|-------------------|-------|---------------|-------------|
| F.E         | 157   |       |            |                   |       | 6             | 10          |
| S.E.        | 43    | 44    | 21         | 21                | 34    |               |             |
| T.E.        | 39    | 37    | 23         | 20                | 31    |               |             |
| B.E.        | 38    | 49    | 27         | 24                | 32    |               |             |

## (25) Nirmala Institute of Education, Panaji

#### 4.25.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Subject)

**Jennifer Fonseca**, Ph.D, *Principal*, Education  
**Gil Raul Do Rosario Alberto**, M.Ed, *Lecturer*,

**Kunda Anil Borde**, M.Ed, *Lecturer*, Education  
**Vida Sequiera**, M.Ed, *Lecturer*, Education

Education  
**Beulah Mendez**, M.Ed, *Lecturer*, Education  
**Sharmila Francisca Veloso**, M.Ed, *Lecturer*,  
 Education  
**Rhoda Ferrao Almedia**, M.Ed, *Lecturer*,  
 Education  
**Sergio Carvalho**, M.Ed, *Lecturer*, Education  
**Nicholas Francis D'Souza**, M.Ed, *Lecturer*,  
 Education

**Denzil F.M. Martins**, M.Ed, *Lecturer*, Education  
**Gopal Chandra Pradhan**, Ph.D, *Lecturer*,  
 Education  
**Susanta Kumar Pradhan**, Ph.D., *Lecturer*,  
 Education  
**Suvarnalata S. Mayekar**, M.Ed, *Lecturer*,  
 Education  
**Diana D'Souza**, M.Ed, *Lecturer*, Education

#### 4.25.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Assessment of student learning*, 11-12, Jan' 97, All India Association of Christian Higher Education and Membership fees

*Oral testing in English language teaching*, 5-6, Feb.'97,

(b) (i) **Attended: Seminars/Conferences:** (*Name of Teacher, Theme of Conference, Place, Date, Title of Paper*)

Jennifer Fonseca, M.S.University, 10-11, Nov. 96, *Teacher Education 'n the 21" Century*

Gil Alberto, Nirmala Institute of Education, Panaji., 11-12, Jan. 96, *Techniques of Assessment*

S. Veloso, Nirmala Institute of Education, Panaji, 11-12, Jan. 96, (1) *Criteria for Assessment*, (2) *Oral Testing in English Language Teaching*

D. Martins, Nirmala Institute of Education, Panaji, 11-12, Jan. 96, *Assessment of Student Projects*

G. C. Pradhan, Orissa Institute of Educational Research, Bhubaneshwar, \*, *New Trends in Educational Research*

(b) (ii) **Attended Workshops:** (*Name of Teacher, Theme of Workshop, Place, Date*)

G.C. Pradhan, *Computer Application in Research Level II*, IASE, Rohilkhand University, Bareilly, \*

#### 4.25.6 (a) **Publications (Research Articles):** (*Name of Teacher, Title, Journal, Volume, Month/Year*)

J. Fonseca, *Secondary School Education in the Twenty-First century*, **Progress of Education**, LXXI No. 5, Dec. 1996

G.C. Pradhan Geeta Iyer, *Comparative study of Educational and Vocational Aspirations of First and Non-First Generation Learners*, **Journal of Educational Research and Education**, 1996

G.C. Pradhan, *Student's Teacher's characteristics and the reason behind joining BEd Course*, **The Progress of Education**, 1997

S.K. Pradhan, *Teacher Education in Goa*, **Journal of All India Association of Educational Research**, Vol. 7, Dec. 96

S.K. Pradhan, *Instruction in Higher Education Some Appraisal Modalities*, **The Progress of Education**, Vol. LXXI, Aug. 96

#### 4.25.8 **Data regarding students registration:**

| Year    | B.Ed. | B. Ed. (Part-time) | M.Ed. |
|---------|-------|--------------------|-------|
| 1996-97 | 100   | 40                 | 8     |

#### 4.25.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(a) :Academic: (Name of Student, Achievement (i.e. rank etc.), Examinations)

Miss Lorna Pia Silveira, **1<sup>st</sup> Rank**, B.Ed

Mr. Elvis N.B. Gonsalves, **1<sup>st</sup> Rank**, M.Ed

### (26) Goa College of Art, Panaji.

#### 4.26.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Subject)

**D.V. Navelkar**, G.D.Art, *Principal*,

**A.R. Shirodkar**, G.D.Art, *Lecturer*, Applied Art

**S.R. Borkar**, G.D.Art, *Lecturer*, Applied Art

**Anthony D'Souza**, B.F.A., *Lecturer*, Applied Art

Mahesh Vengurlekar, B.A., *Lecturer*, Applied Art

**Rajeev Shinde**, B.F.A., *Lecturer*, Applied Art

**Wilfred Goes**, B.F.A., *Lecturer*, Applied Art

**D. Harihar**, G.D.Art, *Lecturer*, Painting

**S.P. Chendvankar**, G.D.Art, *Lecturer*, Painting

**Sabita Prabhudessai**, B.F.A., *Lecturer*, Applied Art

**Domnic Cordo**, B.F.A., *Lecturer*, Applied Art

**A.H. Farooqui**, G.D.Art, *Lecturer*, painting

**Rohini Kakode**, G.D.Art, *Lecturer*, Painting

**H.R. Kambli**, M.F.A., *Lecturer*, Painting

**M.M. Chodankar**, M.F.A., *Lecturer*, Painting

**Digambar Singbal**, B.F.A., *Lecturer*, Painting

**Omprakash Naik**, M.F.A., *Lecturer*, Painting

**Harsha Mandurkar**, M.F.A., *Lecturer*, Painting

#### 4.26.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, *Title of Lecture*, Date)

**Ron Harrison**, Faculty Member of the School of Applied Art and Design, De Montfort University, London, *He conducted drawing Session in the Painting Department and a workshop on Design for Second year Applied Art Students. An exhibition of the work done under his supervision was organised in the College, 18 -22, November 96*

#### 4.26.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Indian Miniature Painting, 6<sup>th</sup> January 97 to 10<sup>th</sup> January 97, West Zone Cultural Centre, Udaipur, Painting*

#### 4.26.8 Data regarding students registration:

First.Y.B.F.A.      Second.Y.B.F.A.      Third.Y.B.F.A.      Fourth.Y.B.F.A      Fifth Y. B. F. A.

40

42

45

36

31

#### 4.26.9 Achievements :(Ranks/Merits in the University Examinations/Sports Activities)

(a) **Academic:**( Name of Student, **Achievement** (i.e. rank etc.), Examinations)

Fernandes Regulus Xavier, **1<sup>st</sup> Rank**, B.F.A. Painting

#### 4.26.10 Any other information:

1) D.V. Navelkar, Principal was honoured with the prestigious "Artist Dinanath Dalal Award" for his contribution in the field of Art by Gomanrtak Marathi Academy.



- 2) Rajeev Shinde, Lecturer, Applied Art received Best Directors Award for Konkani film "Dekhni Durai" in first Goa Film Festival 1997.
- 3) An exhibition of Paintings and Graphics of S.P. Chendvankar Lecturer, was organised by "Galeria Ralino" in the month of May 97
- 4) H.R. Kambli participated in International Art Exhibition organised in the Country of Egypt, Bitola Macedonia Cracow Poland, Bulgaria Strvenia and at Bhopal in India. He also organised Solo Exhibitions in Goa, Bombay, Delhi and London.
- 5) Students of this college participated in National Kala Mela organised by Lalit Kala Academy, New Delhi at Calcutta.
- 6) Students participated in the Youth Festival organised by Goa Universtiy and achieved Prize in
  - (a) On the Spot Painting, (b) Collage, (c) Poster Making, (d) Clay Modelling , (e) Cartooning and (d) Rangoli respectively.

## (27) Mahadevrao Salgaocar College of Law, Panaji

### 4.27.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

|  |   |
|--|---|
| M. Pinheiro, LL.M., <i>Principal</i> , Law | G. Shaber Ali, M.L., <i>Lecturer</i> , Law      |
| A.S. Kansar, LL.M., <i>Lecturer</i> , Law  | G.K. Tamba, LL B., <i>Lecturer</i> , Law        |
| M.R.K. Prasad, ML., <i>Lecturer</i> , Law  | R.V. Kunkolienkar, LL.M., <i>Lecturer</i> , Law |
| Canno D'Souza, PhD, <i>Lecturer</i> , Law  | S.A. Samant, LL.M., <i>Lecturer</i> , Law       |

### 4.27.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

Dr. Ranbir Singh, National Law School Of India University, Bangalore, *Legal Theory*, 27.01.1997  
 Prof. V.S. Mallar, National Law School Of India University, Bangalore, *Constitutional Law*, 28.01.1997

### 4.27.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (Theme, Dates, Funding Agency, Name of Department)

*Human Rights and the Law*, 28<sup>th</sup> September 1996, College  
*Legal Reforms - for Goa 's entry into 21st century*, 10th and 11th January 1997, *Fundacao Oriente*.

(b) (ii) Attended Workshops (Name of teacher, Theme of Workshop, Place and Date)

M. Pineiro, *National Seminar on Victimology*, National Law School of India University, Bangalore, \*October 1997.  
 A. S. Kansar, *Refresher Course*, National Law School of Idia University, Bangalore, \*February 1997.

### 4.27.8 Data regarding students registration:

|      |     |  |
|------|-----|--|
| Year |     | Sarojini da Costa, LL.M., Lecturer       |
| LLB  | 252 | C.A. Coutinho, LL.M., Lecturer           |
|      |     | Manoj Hede, M.Ped., Director of Physical |

## (28) V.V.M.'s Govind Ramnath Kare College of Law, Margao

### 4.28.1 List of Teaching Staff: (Name, Qualifications, Designation)

|                                       |           |
|---------------------------------------|-----------|
| A.S. Nadkarni, LL.M., Principal       | Education |
| R.V. Kuncolienkar, LL.M., Lecturer    |           |
| C.J.F. Prasannakumar, LL.M., Lecturer |           |
| T. Jacques, B.Sc. LL.B., Lecturer     |           |
| J.G. Prabhudesai, LL.M., Lecturer II  | III       |
| 92                                    | 90        |
| J. Antao, LL.B., Lecturer             |           |

4.28.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)

**Prof. Ranbir Singh, \***, "Law and Morality", 24<sup>th</sup> Jan. 1997

**Prof. V.S. Mallar**, National Law school of India, University of Bangalore, "Fundamental Rights", \*

**Dr. V.R. Savant**, STD Clinical Hospicio Hospital, Margao, *STD, HIV & AIDS*, \*

**Justice T. Chandrashekara Das**, Judge, Bombay High Court Bench, Panaji, "Judicial Activism", \*

**Justice V.R. Krishna Iyer**, Former Judge, Supreme Court of India, "From a social Justice State to a corrupt Economic Colony", 23 March, 1997

4.28.5 Seminars/Conferences/Workshops, etc.

(b) (i) **Attended: Seminars/Conferences:** (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

A.S. Nadkarni, *Human Rights*, Kodaikanal, 14.10.1996

R.V. Kuncolienkar, *Workshop*, Panaji, \*

4.28.8 Data regarding students registration:

| Year  | L.L.B.. | D.L.L.. | D.I.L. |
|-------|---------|---------|--------|
| F.Y.. | 146     | 10      | 13     |
| S.Y.  | 37      |         |        |
| T.Y.. | 33      |         |        |

## (29) Goa Dental College and Hospital, Barnbolim

4.29.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject/Department)

**R.K. Singh**, M.D.S., *Dean & Professor*,  
Prosthodontics

**Meena Aras**, M.D.S., *Asstt. Professor*,  
Prosthodontics

**Vidya Chitra**, M.D.S., *Asstt. Professor*,  
Prosthodontics

**Ivy Fernandes e Coutinho**, B.D.S., *Lecturer*,  
Prosthodontics

**P.K. Chandra**, M.D.S., *Professor*, Orthodontics

**Anna Vaz**, M.D.S., *Lecturer*, Orthodontics

**Violet Barbosa**, M.D.S., *Lecturer*, Orthodontics

**Ajit D. Dinkar**, M.D.S., *Professor*, Oral  
Medicine & Radiology

**Anita Dhupar**, M.D.S., *Lecturer*, Oral Pathology

**Preeti Ambarkar**, M.D.S., *Lecturer*, Oral  
Medicine & Radiology

**Ida de Noronha de Ataide**, M.D.S., *Professor*,  
Conservative Dentistry

**Samir Dutta**, M.D.S., *Asstt. Professor*,  
Pododontics

**Nandini Kamat**, B.D.S., *Lecturer*, Pododontics

**Jyoti Rao**, M.D.S., *Asstt. Professor*, Periodontics

**Amita Kenkre**, M.D.S., *Asstt Professor*,  
Community Dentistry

**Anita Spadigam**, M.D.S., *Asstt. Professor*, Oral  
Pathology

**Vikas Dhupar**, M.D.S., *Lecturer*, Oral Surgery

4.29.8 Data regarding students registration:

| Year   | II | III | Final Sem. I | Final Sem. II |    |
|--------|----|-----|--------------|---------------|----|
| B.D.S. | 30 | 33  | 31           | 22            | 09 |

## (30) Goa College of Architecture, Panaji

4.30.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

**Cho Padamsee**, AADIP, *Principal*, Architecture  
**A.R.A. Antao**, Dip. In Architecture, *Asstt.*

**Lawrence Rodrigues**, G.D. Arch., *Lecturer*.  
Architecture

*Professor, Architecture*  
**Ashish K. Rege**, B.Arch, M.Planning (Housing),  
*Asstt. Professor, Architecture*  
**Madhavi Dixit Navare**, B. Arch (Housing), *Asstt.*  
*Professor, Architecture*

**Zeenat Andani**, B. Arch, *Lecturer, Architecture*  
**Roy D'Souza**, B. Arch, *Lecturer, Architecture*  
**Sanjay Belurkar**, B. Arch, *Lecturer, Architecture*  
**Salvin T. Goes**, B. Arch., *Lecturer, Architecture*

#### 4.30.2.. Highlights of the research activities of the College:

Ashish K. Rege, Asstt. Professor presently undergoing Ph.D Research Programme at School of Planning and Architecture, New Delhi on the influence of Portuguese and local Indian Planning and Design Principles on the traditional settlements in Goa.

Madhavi Dixit Navare, Asstt. Professor presently undergoing M.Arch by ressearch at Bombay University in Sir J.J. College of Architecture, Bombay on Eco-Development Planning of Mining Areas in Sanguem Taluka of Goa.

#### 4.30.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

Housing Development Policies in Goa, 3.1.1997, College

#### 4.30.8 Data regarding students registration:

| Year    |    |    |    | IV | V  |
|---------|----|----|----|----|----|
| B. Arch | 38 | 39 | 38 | 39 | 45 |

### (31) Goa College of Music, Panaji

#### 4.31.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

**Kamalakar Naik**, M.Music, *Principal, GCOM*  
**S.S. Karandikar**, M.Music, *Lecturer, GCOM*  
**Manab Das**, M.Music, *Lecturer, GCOM*  
**H.V. Burli**, D.Music, *Lecturer, GCOM*  
**Ulhas Velingkar**, M.Music, *Lecturer, GCOM*  
**Prabhakar Chari**, Traditional Professional Musician, *Lecturer, GCOM*

#### 4.31.8 Data regarding students registration:

| Year     | I | II | III | IV | V  |
|----------|---|----|-----|----|----|
| B. Music | 6 | 2  | 4   | 14 | 13 |

#### 4.31.9 Achievements:(Ranks/Merits in the University Examinations/Sports Activities)

(a) :Academic: Name of Student, **Achievement** (i.e. rank etc.) Examinations)

Damodar Chari, 1<sup>st</sup> Rank, Vocal

## (32) Institute of Nursing Education, Panaji

4.32.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

Carol Noronha, M.Sc.(Nursing), Principal  
Anna Raute, M.Sc.( Nursing), Lecturer

Avita Fernandes, B.Sc.(Nur), Clinical Instructor  
Shashilata Jadav, B.Sc.(Nur), Clinical Instructor

4.32.5 Seminars/Conferences/Workshops, etc.

(a) **Organized:** (Theme, Dates, Funding Agency, Name of Department)

*HIV/AIDS*, 3.10.1996 to 11.10.1996, *DHS AIDS Cell, British High Commission.*  
*Progressive Patient Care*, 4.6.1996 to 6.6.1996, *M. P. T. Hospital.*

(b) (ii) **Attended Workshops:** (Name of Teacher, Theme of Workshop, Place, Date)

Avita Fernandes, *Management & Skill in Nursing*, Delhi, \*  
Shashilata Yadav, *Caring for Patient with HIV/AIDS*, Mumbai, \*  
Anna Raute, *Revision of PCBSc Nursing Syllabus*, Delhi, \*

4.32.8 Data regarding students registration:

|      |                |
|------|----------------|
| Year | B. Sc. Nursing |
|      | 10             |
| II   | 10             |

## (33) Goa Vidyaprasarak Mandal's College of Education, Ponda

4.33.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

Louis Vernal, M.Ed., *Principal*, Education  
Allan Abreo, M.Ed, *Lecturer*, Education  
M.U. Paily, M.Ed, *Lecturer*, Education  
Sebastian Pinto, M.Ed, *Lecturer*, Education  
G.C. Naik, M.Phil., *Lecturer*, Education

Anna George, M.Ed, *Lecturer*, Education  
Shubhangui Jumde, M.Ed, *Lecturer*, Education  
Patricia Nazareth, M.Ed, *Lecturer*, Education  
Sunil Kumar, M.Ed, *Lecturer*, Education

4.33.5 Seminars/Conferences/Workshops, etc.

a) **Organized:** (Theme, Dates, Funding Agency, Name of Department)

*Curriculum Framework for Teacher Education*, 13 -14, November 1996, *N.C.T.E.*  
*Value Education*, 16 - 18, December 1996, *NCERT & Department of Extension Services of this College*  
*Internship*, 3- 5, March 1997, *NCERT & Department of Extension Services of this College*

(b) (i) **Attended:** Seminars/Conferences: (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

Louis Vernal, A.I.T.E., Patna, Bihar, 27 - 29, Dec. 1996, (1) *The Practice of Teaching*, (2) *Competencies and the Curriculum Framework for Teacher Education.*

(b) (ii) **Attended Workshops:** (Name of Teacher, Theme of Workshop, Place, Date)

Louis Vernal, *Renewal of the B.Ed Curriculum for English*, Pune, 3<sup>rd</sup> - 8<sup>th</sup> Feb. 1997  
M.U. Paily, *Computer Application in Research in Humanities & Social Sciences level -II*, Bareilly (U.P.), 17<sup>th</sup> - 24<sup>th</sup> Feb. 1997  
M.U. Paily, *Re-Engineering Edu.*, Bareilly (U.P.), 18<sup>th</sup> - 20<sup>th</sup> April 1997

4.33.8 Data regarding students registration:

|       |       |
|-------|-------|
| Year  | B. Ed |
| 96-97 | 90    |

### (34) Gomantak Ayurveda Mahavidyalaya & Research Centre, Shiroda.

#### 4.34.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)

**Sadashiv Tengse**, Kavyateertha, *Principal*,  
Sanskrit

**Aruna Bale**, B.A.M.S., *Lecturer*, Sharir Kriya,  
Padarth Vidnyan

**Neelesh Korde**, B.A.M.S., *Lecturer*, Sharir  
Rachana, Ashtang Sangraha

**Mona Chaurasia**, M.D., *Lecturer*, Rasashastra

**Nagaraja Samaga**, M.D., *Lecturer*, Dravyaguna  
Vidnyan

**Upendra Dixit**, M.D., *Lecturer*,  
Ashtangsangraha, Charak

**Vinayak Joshi**, M.D., *Lecturer*, Rognidan Vikruti  
Vidnyan

**Anil Panse**, M.D., *Lecturer*, Kayachikitsa

**Madhavilata Dixit**, M.D., *Lecturer*,  
Swasthavrutta

**Deepali Naik**, B.A.M.S., *Lecturer*, Agadtantra

**Mrudula Joshi**, M.A., *Lecturer*, Sharir  
Kriyo, Sanskrit

**Savita Naik**, B.A.M.S., *Lecturer*, Balrog

**Shriniwas Gujjarwar**, M.D., *Lecturer*, Shalakyia

**Vidula Garud**, M.D., *Lecturer*, Rognidan Vikruti  
Vidnyan

**B.V. Sathaye**, Ph.D., *Lecturer*, Sharir Kriya

**Hebli**, M.D., *Lecturer*, Sharir Kriya

**Sangekar**, B.A.M.S., *Lecturer*, Sharir Rachana

**Deelipkumar**, M.D., *Lecturer*, Rasashastra

**Reshma Nair**, B.A.M.S., *Lecturer*, Dravyaguna

**Suhag Dave**, M.D., *Lecturer*, Samhita

**Suradkar**, M.D., *Lecturer*, Kayachikitsa

**Deepali Panse**, B.A.M.S., *Lecturer*, Streerog

**Sampat Bhatane**, M.D., *Lecturer*, Shalakyia

#### 4.34.5 Seminars/Conferences/Workshops, etc.

(b) (i) **Attended: Seminars/Conferences:** (Name of Teacher, Theme of Conference, Place, Date, Title of Paper)

B.V. Sathaye, \*, Dombivili, 29/09/97, Review of total clinical presentation.

#### 4.34.6 (b) Publications (Books): (Name, Title of Book, Publisher, Year)

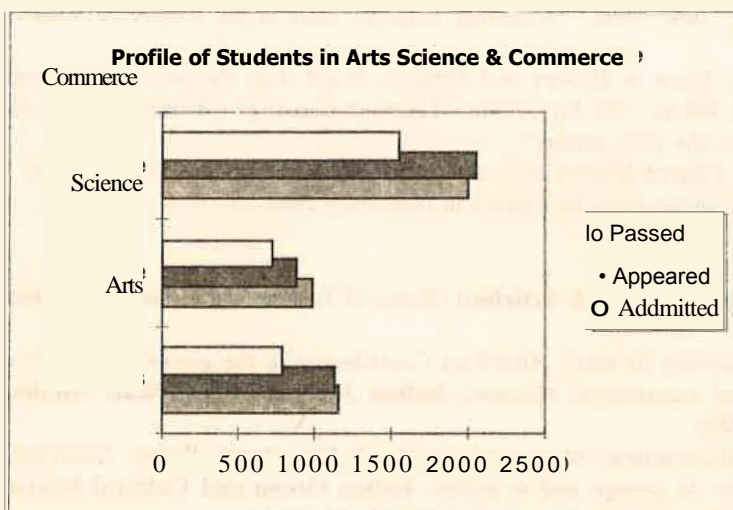
B.V. Sathaye, Padarth Vidnyana, Dhavila & K. sturi, 1997

#### 4.34.8 Data regarding students registration:

| YEAR     | I  | II | III |
|----------|----|----|-----|
| B.A.M.S. | 56 | 52 | 15  |

#### 4.34.10 Any other information:

B.V. Sathaye Principal of Gomantak Ayurveda Mahavidyalaya and Research Centre was declared "Pride of Ayurveda 97" by Punarvasu Ayurveda Pratishthana & Potdar memorial trust hospital, Nanded.



## PART 5: RECOGNIZED INSTITUTIONS

### 5.0 List of recognized institutions:

- I. Xavier's Centre Of Historical Research, Alto Porvorim
2. Vidya Vikas Mandal's Institute Of Management Training & Research, Margao
3. Institute Of Psychiatry & Human Behaviour, Altinho Panaji
4. Institute Of Safety, Occupational Health and Environment, Altinho, Panaji
5. Malaria Research Centre, Panaji
6. Directorate of Archives, Panaji
7. Goa Institute Of Management Studies, Ribandar
8. National Institute of Oceanography, Dona Paula

### (1) Xavier' Centre Of Historical Research, Alto Porvorim.

#### 5.1.1 List of Teaching Staff: (Name, Qualifications, Designation)

Charles J. Borges, Ph. D., *Director*  
Delio Mendonca, M.A., *Administrator*  
Cajetan Coelho, M.A., *Researcher*

#### 5.1.5 Seminars/Conferences/Workshops, etc.

(b) (i) **Attended: Seminars/Conferences:** (Name of Teacher, *Theme of Conference*, Place, Date, *Title of Paper*)

Charles J. Borges, "*Cultural Contacts between Portugal and Goa*", University of Koln, Germany, 29<sup>th</sup> May to 1<sup>st</sup> June 1996, "*A Lasting Legacy : Role of the society of Jesus in reforming Goa: Society*".

Charles J. Borges, "*Islam in History and Politics: South Asia Perspective*", University of La Trobe Australia, 8<sup>th</sup> to 12<sup>th</sup> July 1996, "*Tolerant Coaxing: Christianity's relations with Islam in India since the 16th century*"

Charles J. Borges, "*Church History Association*", Mumbai, 19<sup>th</sup> to 21 October 1996, "*Feeling Bouyant The shape of the Catholic Church in Goa since 1961*"

#### 5.1.6 (a) **Publications (Research Articles):** (Name of Teacher, *Title*, **Journal**, **Volume**, **Month/Year**)

Charles Borges, "*Leaving its mark: American Contribution to the growth of the Society of Jesus in it Patna and Jamshedpur Missions*", **Indian Journal of American Studies**, Vol. 25, No. Winter 1996

Charles Borges, "*Intercultural Movements in the Indian Ocean Region: Churchmen, travellers and chroniclers in voyage and in action*", **Indian Ocean and Cultural Interaction** (ed.) K. S Mathew, Pondicherry University, 1996

Charles Borges, "*Goa during the Portuguese Rule, 1950-1961*", **Boletim do Instituto Menezes Braganza**, No.176, 1996

## **(2) Vidya Vikas Mandal's Institute Of Management Training & Research, Margao**

### **5.2.1 List of Teaching Staff: (Name, Qualifications, Designation, Subject)**

**R.B.Nair, M.Com.,** Director

**A.S.Nadkarni, L.L.M.,** Associate Faculty

**Suresh Rao, M.B.A.,** Associate Faculty

**G.R.Kamat, M.B.A.,** Associate Faculty

**Rodney D'Silva, M.M.S.,** Associate Faculty

**K. B. Rao, M. A.,** Associate Faculty

**S. Bhat, M. Corn.,** Associate Faculty

**Ajay Jadhav, PGDCP,** Associate Faculty

**V. V. Pawar, L.L.M.,** Associate Faculty

**V. G. Patil, M. Sc.,** Associate Faculty

**R. Singh, M. B. A.,** Associate Faculty

### **5.2.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date)**

**Dr. K. Shamanna,** Management Consultant, Mysore, *Role of Leadership*, \*September, 96

**Dr. M.J. Shridhar,** Management Consultant, Mysore, *Self-Awareness & Iner-Personal skills and relationships*, \* September. 96

### **5.2.5 Seminars/Conferences/Workshops, etc.**

(a) **Organized:** (Theme, Dates, Funding Agency, Name of Department)

*Management In Government, 2<sup>nd</sup> September to 14<sup>th</sup> September, 1996, Department of Training & Personnel (Trg. Division) Govt. of India.*

*Coastal Eco-System Management, 2<sup>nd</sup> December to 6<sup>th</sup> December, 1996, Ministry of Home Affairs, Bureau of Police Research & Development Govt. of India.*

## **(3) Institute Of Psychiatry & Human Behaviour, Altinho Panaji.**

### **5.3.1 List of Teaching Staff: (Name, Qualifications, Designation)**

**J. M. Fernandes, M.D.,** Director & Professor

**P. D. Dulde, M.D.,** Asstt. Professor

**H. A. Borkar, M.D.,** Asstt. Professor

**Maria Yvonne da Silva Pereira, M.D.,** Lecturer

**Ashutosh Prabhu Dessai, M.D.,** Lecturer

**D. S. Kukalekar, M.D.,** Lecturer

### **5.3.2 Highlights of the research activities of the Institute:**

Feasibility study of Common Mental Disorders in Primary Care Goa Trial conducted from January 1996 to December 1996 in three stages:

Stage I: Identification of Common Mental Disorders by interviewing primary care workers and standardizing research instruments i.e. CISR

Stage Two: Cross sectional survey at two Primary Health Centres

Stage Three: A Randomized controlled trial of two antidepressants in Common Mental Disorders.

Project Coordinator: Dr. I. M. Fernandes and Dr. Anthony Mann; Trial Coordinator: Dr. Vikram Patel;

Research Workers: Dr. Jerson Pereira, Lana Coutinho, Somaldina Fernandes.

## **(4) Institute Of Safety, Occupational Health and Environment, Altinho, Panaji**

### **5.4.1 List of Teaching Staff: (Name, Designation)**

**C. V. Dhume, Director**

### **5.4.2. Highlights of the research activities of the Institute:**

The institution conducts industry need based academic courses like Diploma in Occupational and I Health, Post Graduate Diploma in Environmental Pollution Control Technology and non academic cou Diploma in Industrial Safety, First Aid, Industrial Safety etc. The topics of dissertation assigned to the are environment related and problems faced by the industry.

### **5.4.5 Seminars/Conferences/Workshops, etc.**

**Organized:** (Theme, Dates, Funding Agency, Name of Department)

*Efficient Use of Fuel*, 06/06/96, *Synergy Enudsfiers Pvt. Ltd.*, Institute of Safety, Occupational Health & Environment.

*Biodiversity of Goa*, 01/11/96, *Econet Peaceful Society*, Institute of Safety, Occupational Health & Environment.

*Occupational Health Vision 2001*, 06<sup>th</sup> to 10<sup>th</sup> June, *BBARC*, Institute of Safety, Occupational Health & Environment.

### **5.4.8 Data regarding students registration:**

|         |  |
|---------|--|
| Year    | Diploma in Occupational & Industrial Health. |
| 1996-97 | 11   |

## **(5) Malaria Research Centre, Panaji.**

### **5.5.1 List of Teaching Staff: (Name, Qualifications, Designation)**

**Ashwani Kumar**, Ph. D., *Senior Research Officer and In-charge*

**D. Thavaselvam**, M. Sc., *Asstt. Research Scientist*

**P. K. Sumodan**, Ph. D. , *Asstt. Research Scientist*

### **5.5.2. Highlights of the research activities of the Institute:**

Forecasting of malaria outbreaks in Goa.

Studies on the fungal association of mosquito vectors in Goa.

Characterisation of *Anopheles stephensi* populations in Goa.

Distribution of *Anopheles Stephensi* in Goa.

### **5.5.4 Sponsored Research Projects sanctioned in 1996-97 (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)**

Ashwani Kumar & Co-investigator D.J. B hat, *Ivestigations on Fungal Biocontrol agents of mosquito vectors of Malaria, Filaria and Japanese Encephalitis in Goa*, 01/11/1996, *Indian Council OJ Medical Research, Delhi*, Rs. 2,78,720.00



#### 5.5.5 Seminars/Conferences/Workshops, etc.

**Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*Second Symposium on Vectors and Vector Borne Diseases, Cavellosim, Goa., 17-19<sup>th</sup>, March, 1997, The National Academy of Vector Borne Diseases and Bayer (India) Ltd.*

#### 5.5.6 (a) Publications (Research Articles): (Name of Teacher, Title, Journal, Volume, Month/Year)

Ashwani Kumar, V.P. Sharma, D. Thavaselvam and P.K. Surnodan. *Clinical trials of new immunochromatographic test for the diagnosis of Plasmodium falciparum malaria in Goa, Indian Journal of Malariology, 33(4), December, 1996*

### (6) Directorate of Archives, Panaji

#### 5.6.1 List of Teaching Staff: (Name, Qualifications, Designation)

**P.P. Shirodkar**, Ph.D., *Director*

**S. Mhamai Kamat**, Ph. D., *Archivist (Management)*

#### 5.6.2. Highlights of the research activities of the Institute:

The Directorate brought out the issue of Purabhilekh Puratatva. Selected the documents for the special exhibition on the occasion of the Archives Week. Dr. P.P. Shirodkar, Director presented the paper on 'Soci-Cultural life in Goa during 16<sup>th</sup> & 17<sup>th</sup> century' at the International seminar held in Cologne, Germany.

Shri Arvind Yalagi, Librarian attended the seminar on Ethnicity Field and Frontiers organised by the Central Regional Centre, Anthropological Survey of India, Nagipur from 23<sup>rd</sup> to 25<sup>th</sup> September, 1996 and presented a paper on "Ethnic & Cultural Indesity of Navayats of Kanara".

#### 5.6.5 Seminars/Conferences/Workshops, etc.

**Organized:** (*Theme, Dates, Funding Agency, Name of Department*)

*'Social change in Goa and Symposium on recent trends in History', 4-5, March 1997, Govt. of Goa & Goa University, Directorate of Archives, Archaeology and Museum and Department of History, Goa University.*

(b) (i) **Attended: Seminars/Conferences:** (Name of Teacher, *Theme of Conference, Place, Date, Title of Paper*)

**P.P. Shirodkar**, *Internation Seminar on Indo-Portuguese History, Acores, Portugugal, 6-10, June 1996, Correira da India and European Rivalry in the Indian Ocean and South China Sea (1510: 1641)*

#### 5.6.10 Any other information:

The photographic exhibition of Goa's Social life through the ages is arranged at the Goa Vision 20001 exhibition at Campal, Panaji.

The new state museum complex was inaugurated by the President of India, His Excellency Dr. Shankar Dayal Sharma on 18<sup>th</sup> June, 1996

## (7) Goa Institute Of Management Studies, Ribandar

### 5.7.1 List of Teaching Staff: (Name, Qualifications, *Designation*)

Romoulo D'Douza, Ph.D., *Director*

### 5.7.8 Data regarding students registration:

| <b>Year</b> | <b>I</b> | <b>II</b> | <b>III</b> | <b>IV</b> | <b>V</b> |
|-------------|----------|-----------|------------|-----------|----------|
| <b>DAM</b>  | 24       | 30        | 30         | 28        | 30       |
| <b>DBM</b>  | 19       | 15        | 19         | 30        | 29       |

## PART 6: FINANCIAL STATEMENT

### 6.1 Grants:

**6.1.1 Grants from the State Government :** As a state University, the University is supported by maintenance and development grants from the State Exchequer.

Rs.5,95,00,000.00

#### I. Grants from University *Grants* Commission

|  |                  |
|--|------------------|
| 1. Academic Staff College  | RS. 36,62,822.00 |
| 2. Library Books & Journals  | RS. 06,13,571.00 |
| 3. Laboratory Equipment  | RS. 25,00,000.00 |
| 4. Women's Studies Research Centre   | RS. 02,66,368.00 |
| 5. Girls Hostel  | RS. 02,50,000.00 |
| 6. Teachers Transit Accommodation  | RS. 00,50,000.00 |
| 7. Joint UGC-CSIR Junior Research Fellowship   | RS. 01,85,436.00 |
| 8. Setting up of Computer Centre facility  | RS. 02,36,638.00 |
| 9. Teachers Training Prog. in Ind.Microbiology   | RS. 01,80,000.00 |
| <b>10.Automation</b> of University Library under<br>INFLIBNET Programme                            | RS. 06,50,000.00 |
| 11. Unassigned Grants  | RS. 00,70,833.00 |
| 12. Grants for Master of Computer Applications<br>Department                                       | RS. 00,80,099.00 |
| 13. Award of Teachers Fellowship   | RS. 00,05,000.00 |
| 14. TA/DA to Dr. K.S. Rane, Dept. of Chemistry   | RS. 00,46,508.00 |
| 15. Forum for Inter Disciplinary activities &<br>exchange within University                        | RS. 00,50,000.00 |
| 16. Financial Assistance for writing of University<br>level books                                  | RS. 00,05,000.00 |
| 17. Financial Assistance to University for<br>creating additional resources, mobilisation<br>funds | RS. 00,84,023.00 |
| 18. Research Grants Dr. Irene Furtado,<br>Department of Microbiology                               | RS. 00,04,250.00 |

#### 6.1.2 Central Government Departments and other agencies:

|   |   |                  |
|---|---|------------------|
| 1. Council of Scientific &<br>Industrial Research | CSIR Junior/Senior Fellowships  | RS. 02,78,440.00 |
|   | Effect of UV-B Radiation Photosynthesis,<br>its mechanism of damage & Protection<br>against UV-B Radiation Wheat under<br>Laboratory condition - Dr.P.K. Sharma,<br>Dept. of Botany | RS. 1,38,704.00  |
|   | Studies on Legunes of Goa - Dr.B.F.<br>Rodrigues  | RS. 0,59,053.00  |
|   | Molecular basis of cell substrate Dr. Saroj<br>Bhosale, Dept. of Microbiology   | RS. 94,690.00    |
|   | Study of the Electrical & Magnetic<br>Properties of Nickel Arsenide type<br>Transition Metal Chalcogenides - Dr.<br>R.B. Prabhu, Dept. of Physics                                   | RS. 2,69,067.00  |
| 2. Department of Ocean<br>Development             | "Response of Halophilic Archaco<br>Bacteria to Chemical Stress" Dr. I.<br>Furtado, Department of Microbiology   | RS. 9,37,000.00  |

|    |  |   |   |
|----|--|---|---|
| 3. | Department of Science & Technology                                   | Organisation of VIII Group monitoring Meet to be held on Nov. 28-30, 1996 at Department of Geology<br>SERC Fellowship to Dr. V.V. Kamat, Department of M.C.A.<br>Research Projects:<br>a) Dr. A. G. Desai<br>b) Dr. K. Mahender Post-graduation course in Marine Bio-technology<br>National Science Day | RS. 2,00,000.0<br>RS. 10,800.0<br>RS. 163.0<br>RS. 1,05,000.0 |
| 4  | Department of Bio-technology   | Mining activity & its impact on water Chemistry, Microbial Ecology & Environment, Bicholim Taluka Western Ghat, Goa Possible restoration measures - Dr. U.M.X. Sangodkar  | Rs. 15,27,000.0<br>RS. 25,000.0                               |
| 5  | Department of Environment, Forest and Wild Life                      | NBHM - Library Books & Journals   | RS. 1,11,948.0<br>RS. 1,25,000.0                              |
| 6  | Department of Atomic Energy  | Research Projects<br>a) Dr. K.S. Rane<br>b) Dr. J.A.E. D'Sa c) Dr.R.B. Prabhu & Dr. P.R. Sarode Junior  | RS! 31,921.0<br>RS. 66,088.0<br>RS. 58,600.0                  |
| 7  | Inter University Consortium, Indore                                  | Research Fellowship<br><b>Mrs. M.B. Desai</b>   | RS. 10,800.0<br>RS. 47,143.0                                  |
| 8  | Indian Council of Philosophical Research                             | Development of Indo-Canadian Studies in Universities  | RS. 14,625.0  |
| 9  | Shastri Indo Canadian Institute                                      | Research Project:<br>Dr. P. N. Reddy  | RS. 1,19,700.01   |
| 10 | Indian Council of Social Science Research                            | Small Industries Mang. Assistants Programme   | Rs. 70,000.01   |
| 11 | Small Industries Development Bank of India                           | Organising a Brain storming Session Latin American Relations  | RS. 70,000.01   |
| 12 | Ministry of External Affairs   | Research Project:<br>Dr. A.G. Chadhadi  |   |
| 13 | Department of Rural Development: Rajiv Gandhi Drinking Water Mission |   |   |

### 6.1.3 State Government Agencies:

#### a) Scholarships

|   |                      |
|---|----------------------|
| 1. National Loan Scholarship  | RS. 4,228.00         |
| 2. National Scholarship   | RS. 4,408.00         |
| 3. Post Matric Scholarship for SC students                                      | RS. 26,630.00        |
| 4. Hindi Scholarship  | RS. 2,200.00         |
| 5. N.S.S.   | RS. 7,69,800.00      |
| 6. Educational concession to the Children of Freedom Fighters service Personnel | RS. <b>11,750.00</b> |
| 7. Scholarship for disabled   | RS. 2,720.01         |

#### b) Council for Science & Technology

|   |                 |
|---|-----------------|
| 1. Survey & Identification of edible Mushroom in Goa -Dr. S. Mavinkurve                     | RS. 46,400.01   |
| 2. Utilisation of Iron Ore Project - Dr. K.S. Rane  | RS. 42,000.01   |
| 3. Survey/Study collection & Documentation of Plant Diversity of Goa - Dr. M.K. Janarthanam | RS. 1,41,800.01 |
| 4. Survey of Halophilic Micro Organism for Conversion of Fish - Dr. I. Furtado              | RS. 60,000.01   |
| 5. Survey, Screening & selection of Metal Tolerant - Dr. B.F. Rodrigues                     | RS. 45,800.01   |

c) Other Bodies

|   |                  |
|---|------------------|
| 1. Fungus study Research Sandoz Project (Sandoz) Switzerland - Dr. D.J. Bhat                                | RS. 18,06,948.00 |
| 2. Seminar on Industrial Effluents and Control Pollution org. jointly by ISEST & Goa University             | RS. 78,000.00    |
| 3. Collaborative Research Project on Fannistic University Studies of Amphibian & Reptiles - Dr. P.V. Desai. | RS. 2,20,000.00  |

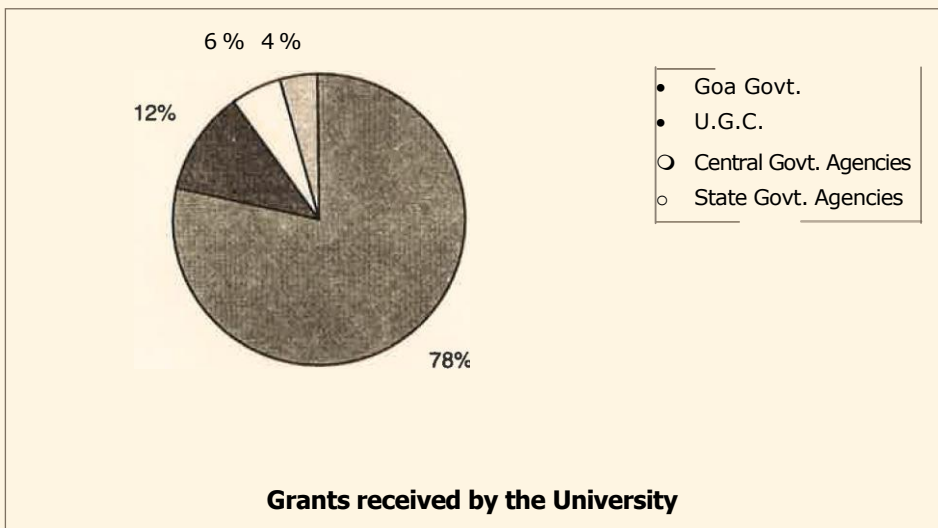
6.2 Endowments:

The Prizes and Medals instituted during the period under report:

|  |               |
|--|---------------|
| 1. "Late Dr. G.K. Salelkar Memorial foundation MBBS Prize". This prize to be awarded to a student getting highest marks in General Medicine at the First attempt   | RS. 15,000.00 |
| 2. "Late Dr. G.K. Salekar Memorial Foundation M.D. Prize". This prize to be awarded to a student of Goa University getting highest marks in General Medicine and passing M.D. at the First attempt.  | RS. 25,000.00 |
| 3. "Doctors Goa, U.S.A. in Faculty of Medicine". This Prize is to be awarded to a student belonging to Economically backward class, whoever secures the highest aggregate marks above 55% and in the absence of such a candidate to the student of Final year of graduation of M.B.B.S., Medical course who secures the highest aggregate marks. | RS. 15,000.00 |
| The Prize is to be awarded to the student of Goa University, final M.B.B.S. (Regular Batch) getting highest marks in General Medicine at he First attempt.   |               |
| 4. "Late Ms. Kavita Devraj Anand Memorial Prize" for standing First at the <a href="#">M.Com.</a> Examination conducted by Goa University.   | RS. 15,000.00 |

6.3 Expenditure

|          | Budget Estimates (1996-97) |               | Total  | Revised Estimates (1996-97) |               | Total  | (RS. in Lakh) Actuals (1996-97) |                | Total  | Budget Estimate (1997-98) |                |
|----------|----------------------------|---------------|--------|-----------------------------|---------------|--------|---------------------------------|----------------|--------|---------------------------|----------------|
|          | Recurr ing                 | Non Recurring |        | Recurr ing                  | Non recurring |        | Recurr ing                      | Non- Recurring |        | Recurr ing                | Non- Recurring |
| Plan     | 227.92                     | 447.13        | 675.05 | 224.16                      | 366.50        | 590.66 | 217.60                          | 220.60         | 438.20 | 287.50                    | 525.40         |
| Non-Plan | 372.50                     |               | 372.50 | 379.43                      | 2.95          | 382.38 | 359.67                          | 2.92           | 362.59 | 450.74                    |                |





## ERRATA

| Page No.       | Column | Line | Existing entry  | Read as  |
|----------------|--------|------|---|--|
| 7              | 2      | 41   | V.K. Bagli, Fine Officer (till 10.9.96)                     | V.K. Bagli, Finance Officer (till 10,9.96)                     |
| 8              | 1      | 13   | Dona( Rodrigues, Assistant Registrar                        | Donald Rodrigues, Assistant Registrar                          |
| 31             |        | 7    | A.F.Barbosa, IAPT Annual Convocation, Auranga.bad           | Prof. G.V. Kelkar, IAPT, Annual Convocation, Aurangabad        |
| 37             |        | 24   | Margaret Angela A.C. M.Sc., Principal, Botany               | Margaret Angela A.G., M,Sc., Principal, Chemistry              |
| 37             | s_     | 31   | Efrem D'Sa, Lecturer, Physics                               | Efrem D'Sa. M.Sc., Lecturer. Physics                           |
| 46             |        | 5    | (13) Government College of Arts & Commerce, Sanquelim       | (13) Government College of Arts, Science & Commerce, Sanquelim |
| 47             |        | 8    | Vanita Vinayak Thakur, r <sup>d</sup> Rank, B.Sc.           | Venda Vineyak Thafiur, Rank, B.Corn                            |
| 47             |        | 9    | Austin S.F. DS 7 <sup>d</sup> Rank, B.Sc.                   | Austin S.F. Er SOLi2k 1 <sup>st</sup> Rank, B.Sc-              |
|                |        | 10   | Gauri <b>Umesh</b> De5hparide, 3 <sup>1</sup> Rank, B, Com, | Gaud Umesh Deshpartde, 2 <sup>nd</sup> Rank, B, Com.           |
| 5 <sup>6</sup> |        | 40   | Filomena A. Rodrigues, M.A., Lecturer, Mech.                | Filomena A. Rodrigues, M.A., Lecturer, English                 |
| 56             | 2      | 7    | Chanda Pathak, B.Sc., Lecturer, Civil Engineering           | Chanda Pathak. B.Sc., Lecturer, Electrical Engineering         |
| 64             |        |      | 7. Goa Institute of Management Studies, Ribandar            | 7. Goa institute of Management Studies, Caranzaem              |
| 68             |        | 1    | (7) Goa Institute of Management Studies, Ribandar           | (7) Goa institute of Managemept Studies, Caranzalem            |
| 68             |        | 3    | Romuldo D'Souza, Ph.D., Director                            | V. Gaitonde, Director  |