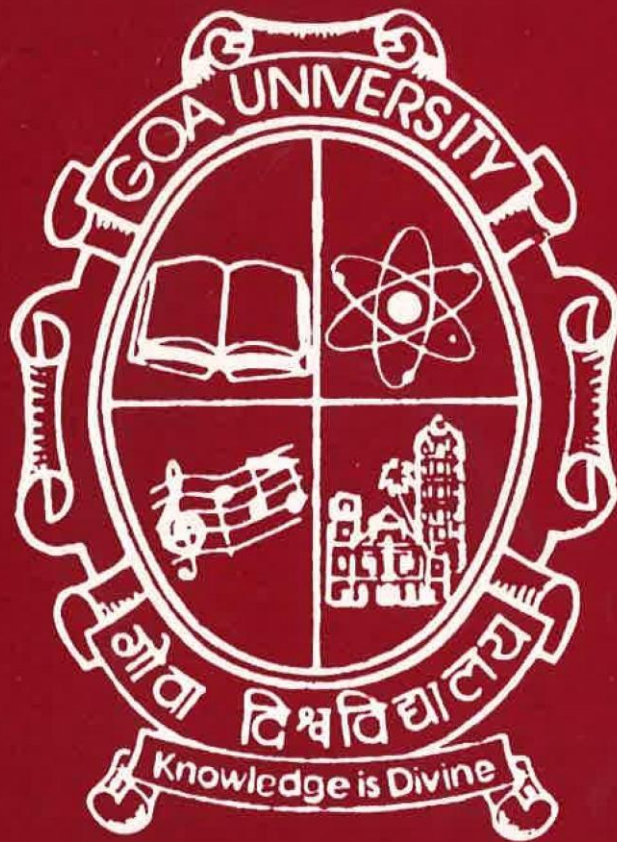


GOA UNIVERSITY



1997-98

C O N T E N T S

Preface

Part 1: General Administration	01
1.1 General Information	01
1.2 Engineering Projects	01
1.3 Computeraization of University Functions	01
1.4 Conduct of Examinations	02
1.5 University Library	02
1.6 Students' Sports Activities	03
1.7 Students' Welfare and Cultural Activities	03
1.8. Konkani Encyclopedia	03
1.9 Academic Staff College	03
Part 2: University Authorities and Bodies	05
2.1 List of Members of University Court	05
2.2 List of Members of Academic Council	06
2.3 List of Members of Executive Council	06
2.4 List of Members of Planning Board	07
2.5 List of Members of Finance Committee	07
2.6 List of Deans of Faculties	07
2.7 List of Officers of University	08
Part 3: University Departments	09
3.1 Faculty of Languages	09
3.2 Faculty of Social Sciences	13
3.3 Faculty of Natural Sciences	19
3.4 Faculty of Life Sciences	24
3.5 Faculty of Commerce and Faculty of Management Studies	30
Part 4: Affiliated Colleges	33
Part 5: Recognized Institutions	72
Part 6: Financial Statement	76

'PREFACE

It gives me great pleasure in presenting the Thirteenth Annual Report of Goa University for the academic year 1997-98. 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 informations is both time consuming and difficult, and the information provided by the various sources is often found to be incomplete and inadequate. This has caused many difficulties to the Editorial Committee, leading to delay in finalisation of this Report. We hope that in future there will be prompt response and complete information from all concerned, so that the Report is complete and it represents the true picture of the University.

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 during the academic year to improve the infrastructural facilities on the campus. An unique experiment in interactive distance education (DEITI) was conducted in the university with the active cooperation of university departments, colleges and other institutions. The experiment provided interactive audio/video communication (using the INSAT-2 facilities of ISRO).with 20 receiving centres located at various places in Goa (Colleges and Higher Secondary Schools). The programme consisted of telecasting lectures by specialists on subjects relevant to colleges, higher secondary, and institutions of local administration such as Panchayats.

I express my sincere gratitude to the Visitor, Goa University and Governor of Goa for the keen interest he has shown in the functioning of the University.. I am extremely thankful 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 1997-98 yet another successful year.

Taleigao Plateau
March 1999

Professor **B. S. Sonde**
Vice-Chancellor

PART 1: GENERAL ADMINISTRATION

1.1 General Information:

Goa University has completed twelve years since its establishment on 1st June 1985. It is an affiliating-cum-teaching University having facilities 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 courses in Arts, Science, Commerce, Management, Home Science, Education, Law, Engineering, Pharmacy, Medicine including Homeopathy and Ayurveda, Fine Arts, Music and Architecture. There are twenty-two University Teaching Departments, two University Centres, U. G. C. financed Academic Staff College for in-service-training of teachers, 35 affiliated colleges (professional and non-professional) and 8 recognised institutions conducting research.

1.2 Engineering Projects: Apart from maintenance of existing infrastructure, Works Division handled major infrastructure projects during the year. Stand-by generator as well as transformer have been commissioned. Following works are nearing completion:

1. Construction of 200 bedded girls hostel:- Though stipulated date of completion was 4.7.98, building may not be completed in time on account of shortage of funds. Physical progress of work is 80% upto 31.5.1998. Upto 31.5.98 value of work done is Rs. 1,25,69,426.00.
2. Construction of 15 A-Type Quarters:- Though stipulated date of completion was 3.7.1998, building may not be completed in time on account of paucity of funds. Physical progress of work is 90% upto 31.5.98. Upto 31.5.98 work done is Rs. 88,89,030/-.
3. Construction of 25 B-Type Quarters: Though stipulated date of completion was 3.7.98, building may not be completed in time on account of paucity of funds. Physical progress of work is 85% till 31.5.98. Upto 31.5.98 work done is Rs. 1,02,45,805/-.
4. Construction of Faculty Building of Manangement Studies 95% work is completed. The work is likely to be completed in July 1998.
5. Centre for Latin American Studies:- The work order was issued on 12.12.1997 for an amount of Rs. 15,35,881.00. About 40% work is done. The building is expected to be ready by December, 1998. Besides these major works, the re-roofing of one block of University Guest House was also taken up during the year.

1.3 Computerisation of University Functions: Computer section undertook printing of degree certificates for the Examination Section of the University. In all about 4,300 degree certificates were generated and printed with multi-colours.

The Computer Centre had also developed the software required for the following

1. Result processing of restructured course in B.A./B.Sc./[B.Com.](#) examinations.
2. Result processing of Semester I Engineering examinations.

1.4 Conduct of Examinations: The University has conducted 60 under-graduate and post-graduate examinations in various faculties during the first and second half of 1997-98. 6592 students appeared for the examinations, and out of these, 4013 were declared successful.

The University awarded 13 Ph.D degrees and 12 M.Phil degrees in different subjects during the period June, 1997 to May, 1998.

1.5 University Library: The Library has a total of 82,122 books. The University Library has a separate journal section and more than 600 journals are subscribed to, while some journals are received as *gratis*. The University Library also has a Theses Section where Ph.D. and M. Phil. dissertations are maintained. A total of 2442 books have been added to the Library during the academic year 1997-98. The Goa University's Rare Collections Section has been further enriched the University corpus by addition of collection from:

- A collection of books from International Centre, Goa
- A collection of Portuguese books from The Central Library, Goa.

1. The Library has been recently declared a U.N. Depository Library.
2. Under INFLIBNET, Library has set up a Computer Centre for its operations and networking with other Universities under INFLIBNET. 8 Pentium 166 computers have been acquired under the same scheme. Recently the Library has completed the creation of research database on computers of collections such as Ph.D. theses, M.Phil dissertations etc.
3. Compilation of computerised database of rare collections is in progress.

1.6 Students' Sports Activities: All the Inter-Collegiate tournament during the year 1997 were conducted in systematic and successful manner. Every tournament ended with a valedictory function wherein Trophies, Medals and Certificates were awarded to the Winners at the hands of eminent personalities.

As in the past the annual sports calendar for Inter-Collegiate tournament was prepared well in time and circulated to all colleges/Institutions affiliated to Goa University, so as to enable them to prepare their teams for these tournaments. During the year 1997-98, the following tournaments were held:

- | | |
|--|----------------------------|
| 1. Table Tennis (Men & Women) | 10. Cycling (Men) |
| 2. Badminton (Men & Women) | 11. Football (Men & Women) |
| 3. Judo (Men & Women) | 12. Tennis (Women) |
| 4. Chess (Men & Women) | 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 (Women) |
| 8. Basketball (Men & Women) | 17. Cricket (Men & Women) |
| 9. Volleyball (Men & Women) | 18. Athletic (Men & Women) |

The highlight of all these tournaments is the XIIth Inter-Collegiate Athletic Championship which was held for the first time on the University ground.

Goa University has deputed the following teams for Inter-University tournaments during the year 1997-98.

- | | |
|--------------------------------|---------------------------|
| 1. Football (Men & Women) | 4. Athletic (Men & Women) |
| 2. Swimming (Women) | 5. Kabaddi (Men) |
| 3. Cross Country (Men & Women) | 6. Basketball (Men) |

In all India Inter-University Swimming Competition, Ms. Nisha Madgaonkar has won one Gold, one Silver and two Bronze medals. She has created new University record in 100 Mtrs backstroke. Overall performance of all other teams was quite satisfactory.

Post-graduate students of Goa University have participated in most of the Inter-collegiate tournaments during the year 1997-98.

To mark the 50th Year of India's Independence, the Sports section has organised a triangular Cricket series on University grounds. Goa Press XI, South Goa Journalists and Goa University were the three teams in the tournament. Although it was the first triangular Cricket Series in the State, it was organised very successfully. All Goa open Cricket tournament was also organised at University ground on knockout basis wherein 16 teams from all over Goa participated.

1.7 Student's Welfare and Cultural Activities: Directorate of Students Welfare & Cultural Affairs 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 Art 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 organises the programmes with an intention of cultivating a sense of togetherness among the students. It also acts as a liaison agency for smooth interaction between the students and University authorities, other Universities Government., semi-Government and voluntary institutions. Goa University has constitute the following students-bodies, in order to administer the activities of the students.

1. Goa University Students' Council ,comprising the representatives of the colleges, affiliated to Goa University.
2. Post-graduate Students' Union comprising the representatives of the faculties of post-graduate departments of Goa University.

Activities:

- a) Election of Goa University Students' Council for the year 1997-98
- b) Election of Post-graduate students Union for the year 1997-98
- c) Organised Inter-collegiate Youth Festival in January, 1998.
- d) Organised Youth Meet of Post-graduate students in February, 1998
- e) Participated in National Debating Competition, on co-operation, organised by National Centre for Co-operation Training, New Delhi, Bangalore, in December, 1997
- f) Participated in National Debating Competition, organised by Indian Council of World Affairs, New Delhi in New Delhi, December, 1997
- g) Celebrated Golden Jubilee year of India's Independence from 15th August, 1997 to 15th August, 1998 with the number of Cultural and academic activities.
- h) Organised Renewal Energy Run sponsored by IREDA, New Delhi on 20th January, 1998.
- i) Organised a programme of students Experience in Inter State living for the students of North East States in December, 1997
- j) Celebrated Mahatma Gandhi's Birth Anniversary in October, 1997 with varied programmes.

1.8 Konkani Encyclopedia: The Encyclopedia project of Goa University is in progress. The second volume was released at the hands of renowned dramatist and writer Shri. Girish Karnad. The third and fourth volumes are in the press.

T. D. Harlarnakar, Ph.D. Executive Editor.

1.9 Academic Staff College: 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 to bring about qualitative improvement in higher education. The Refresher Courses are conducted in collaboration with the Departments of the subjects concerned. Besides, it conducts Workshops, Seminars for senior College teachers and College Principals.

During the year 1997-98 the Academic Staff College conducted four Orientation Courses and Refresher Courses in Chemistry, Physics, Mathematics, Economics, History, Philosophy and Marathi. Need-based Refresher Course in Commerce, Computer Science and Physical Education, and 1-day Orientation course for non-teaching staff of Goa University.

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:

45th Orientation Programme, 21st May to 117th June, 1997

46th Orientation Programme, 10th December, to 6th January, 1998

47th Orientation Programme, 5th May, 1998 to 1st June, 1998

X Refresher Course in Physics, 9th July, 1997 to 29th July, 1997

III Refresher Course in Chemistry, 1st Aug., 1997 to 21st August, 1997

I Refresher Course in Mathematics, 7th Jan., 1997 to 27.1.1998

I Refresher Course in Economics, 28th Jan., 1998 to 17th Feb., 1998

X Refresher Course in History, 18th Feb., 1998 to 10th March, 1998

II Refresher Course in Philosophy, 5th March, 1998 to 25.3.1998

I Refresher Course in Marathi, 3rd June, 1998 to 23rd June, 1998

Need-based Refresher Course in Commerce, 8th Oct., 1997 to 28th Oct., 1997

Need-based Refresher Course in Computer Science, 1st Nov., 1997 to 21st Nov., 1997

Need Based Refresher Course in Physical Education, 11th Nov., 1998 to 2nd May, 1998

Day Orientation Course for Non-teaching staff of Goa University, 28th May, 1998

The ASC monitored 10 Workshops- in 9 different Centres in Goa regarding Evaluation and Methodology of the Project Work at T.Y. Degree Level. The ASC conducted 1-day Conference on 'Women & Development: India and Canada' held on 27.2.98 under the auspices of Canadian Studies Programme sponsored by Shastri Indo Canadian Institute, New Delhi.

Dr. F.A. Fernandes participated in the UGC Commonwealth Secretariat Workshop on Women and Management in Higher Education held at New Delhi from 3-8, Nov., 1997

Dr. F.A. Fernandes presented a paper in the Workshop on Performance Appraisal and Teacher Accountability from 4-6, May 1998 organised by National Institute of Education Planning and Administration.

Dr. P. Rebeiro attended a two-day training programme on 'Basic Neuro-Linguistic Programming Techniques' at Mumbai on 18-19, April, 1998.

PART 2: UNIVERSITY AUTHORITIES AND BODIES.

2.1 List of the members of the University court

Vice-Chancellor, Chairman (Ex-officio)

K.M. Mathew, Dean, Faculty of Social Sciences, Goa University., *Member*

B. N. Reddy, Dean Faculty of Medicine, Goa Medical College, Goa., *Member*

S.N. Lall, Dean Faculty of Engineering & Technology, College of Engineering, Goa, Farmagudi., *Member*

A.K. Joshi, Dean Faculty of Languages, Goa University., *Member*

A. Sreekumar, Dean Faculty of Management studies, Goa University, *Member*

A.G. Desai, Professor, Department of Geology, Goa University, *Member*

D.J. Bhat, Professor, Department of Botany, Goa University, *Member*

Y.S. Prahlad, Professor Department of Mathematics Goa University, *Member*

G.N. Nayak, Professor Department of Marine Science, Goa University., *Member*

P.R. Sarode, Professor, Department of Physics, Goa University., *Member*

Dattaram V. Navelkar, Principal, College of Fine Art, Altinho, Panaji, Goa., *Member*

Xavier P. Devasia, Principal, Fr. Agnel College of Arts & Commerce, Pilar, Goa., *Member*

Sr. Margaret A.J. D'Souza, Principal, Carmel College for Women, Nuvem, Goa., *Member*

Luis J. Vernal, Principal, GVM's College of Education, Ponda, Goa., *Member*

Mohan M. Sangodkar, Principal, Govt. College of Arts & Com., Pernem, Goa, *Member*

T.A. Vishwanath, Lecturer, Department of Geology, Goa University., *Member*

M.K. Janarthanam, Lecturer, Department of Botany, Goa University., *Member*

Poll Narayan Reddy, Reader, Department of Commerce, Goa University., *Member*

Sandeep Shrinivas Burye, Lecturer, Dhempe College of Arts & Science, Panaji., *Member*

Orlando Anthony Fernandes, Lecturer, Dhempe College of Arts & Science, Panaji, Goa, *Member*

Daisy Domic John, Lecturer, Goa College of Home Science, Panaji, Goa, *Member*

Rita Estavam Godinho, Lecturer, Goa College of Home Science, Panaji, Goa., *Member*

Filip Neves Rodrigues e Melo, Lecturer, Rosary College of Commerce & Arts, Navelim, Salcette, Goa, *Member*

Shilpa G. Prabhudesai, Lecturer, Shree Damodar College of Com. & Economics., Margao, Goa., *Member*

Vinayak Narayan Shet, Asstt. Professor, College of Engineering, Farmagudi, Goa., *Member*

Joydeep Dwijendralal Bhattacharjee, Lecturer, Govt. College of Arts, Science, & Commerce, Samquelim, Goa., *Member*

Chairman, Devi Shreevani Education, Society, C/o M.S. College of Law, Panaji, Goa., *Member*

Chairman, Ponda Education Society, Ponda Goa., *Member*

Sarvesh Kharangate, Chairman, University Students' Council, Arsia Apt. 13', Vidya Nagar, Margao, Goa, *Member*

Justice Eurico D'Silva, Borda, Margao, Goa, *Member*

Rear Admiral B.R. Menon (Retd.), Chairman, Goa Shipyard Ltd, Vasco., *Member*

P.G. Kakodkar, Chairman, S. B. I., Madam Cama Road, Bombay 400 021., *Member*

Mario Miranda, Loutolim, Salcette, Goa., *Member*

Shambu Bhau Bandekar, Ex-Dy. Speaker, H.No. 4/16-A, Tabrawado, P.O. Saligao, Bardez, Goa., *Member*

Advocate Babuso Gaonkar, Porvorim, Bardez, Goa., *Member*

Pramod D. Salgaonkar, Dattawadi, Mapusa, Goa., *Member*

Nirmala Sawant, Marcela, Goa, *Member*

A.G. Khanolkar, Controller of Examination, Goa University., *Member*

Registrar, Member-Secretary (Ex-Officio)

The second meeting of the Fourth Court was held on 30th March, 1998.

2.2 List of members of the Academic Council:

- Vice-Chancellor**, Goa University., *Chairman (Ex-Officio)*
- B.N. Reddy** Dean, Faculty of Medicine & Dean, Goa Medical College, Bambolim, Goa., *Member*
- S.N. La11**, Dean, Faculty of Engineering & Technology & Principal, College of Engineering, Goa, Farmagudi, Goa., *Member*
- V.N. Kamat Dalal**, Dean, Faculty of Natural Science, Goa University., *Member*
- A.K. Joshi**, Dean, Faculty of Languages, Goa University., *Member*
- K.M. Mathew**, Dean, Faculty of Social Sciences, Goa University., *Member*
- C.S. Naringrekar**, Dean, Faculty of Performing Fine Art & Music, Campal, Panaji, Goa., *Member*
- S. Mavinkurve**, Dean, Faculty of Life Science & Environment, Goa University., *Member*
- A. Sreekumar**, Dean, Faculty of Management Studies, Goa University., *Member*
- O.J.F. Gomes**, Professor & Head, Department of Konkani, Goa University., *Member*
- A.G. Desai**, Professor & Head, Department of Geology, Goa University., *Member*
- A.V. Afonso**, Professor & Head, Department of Philosophy, Goa University., *Member*
- G.N. Nayak**, Professor, Department of Marine Science, Goa University., *Member*
- Y.S. Prahalad**, Professor & Head, Department of Mathematics, Goa University., *Member*
- R.K. Singh**, Dean, Goa Dental College & Hospital, Bambolim, Goa., *Member*
- Dean**, Faculty of Law., *Member*
- Dean**, Faculty of Commerce, *Member*
- B.G. Nayak**, Principal, Govt. College of Arts, Science & Commerce, Quepem, Goa., *Member*
- Peter De Souza**, Reader, Department of Political Science, Goa University., *Member*
- B.D. Desai**, Reader, Department of Chemistry, Goa University., *Member*
- S.M. Tadkodkar**, Lecturer, Department of Marathi, Goa University., *Member*
- Ramballav Roy**, Lecturer, Department of Zoology, Goa University., *Member*
- Gorakhnath Mishra**, Principal, Dhempe College of Arts & Science, Miramar, Panaji, Goa., *Member*
- M.S. Kamat**, Principal, M.E.S. College of Arts & Commerce, Zuarinagar, Goa., *Member*
- J.B. Fernandes**, Principal, Govt. College, Khandola, Goa., *Member*
- Bathini Rajashekar**, Lecturer, St. Xavier's College, Mapusa, Goa., *Member*
- Suma Chitnis**, Director, J.N. Tata Endowment Bombay, Mumbai 1., *Member*
- K.J. Mahale**, (Former V.C., Manipur University), A4, Delux Apts., Caranzalem, Goa., *Member*
- P.P. Shirodkar**, Director of Archives, Govt. of Goa, Panaji., *Member*
- M.S. Dayanand**, Lecturer, Dept. of Management Studies, Goa University., *Member*
- Suhas J. Godse**, Lecturer, Dhempe College of Arts & Science, Miramar, Panaji, Goa., *Member*
- Ashok P. Kamat**, Lecturer, S.S. Dempo College of Commerce & Economics, Panaji, Goa., *Member*
- Radhika S. Nayak**, Lecturer, Carmel College of Arts, Science & Commerce for Women, Nuvem, Salcete, Goa., *Member*
- Varsha V. Kamat**, Lecturer, P.E.S. College of Arts & Science, Farmagudi, Ponda, Goa., *Member*
- The Director**, National Institute of Oceanography, Dona Paula, Goa., *Member*
- The Deputy Librarian**, Goa University., *Member*
- The Registrar**, Goa University., *Member-Secretary (Ex-Officio)*

During the year 1997-98 three regular and one extra ordinary meetings of the Academic Council were held.

2.3 List of members of the Executive Council.

- Vice-Chancellor**, Goa University., *Chairman (Ex-Officio)*
- Gen. S.F. Rodrigues (Retd.)**, Director, Goa International Centre, Dona Paula, Goa., *Member*
- E. Desa**, Director, National Institute of Oceanography, Dona Paula, Goa., *Member*
- A. Sreekumar**, Dean, Faculty of Management Studies, Goa University., *Member*
- A.G. Jumde**, Principal, G.V.M's College of Commerce & Economics, Ponda, Goa., *Member*
- V. Shivkumar**, Professor & Head, C.L.A.S., Goa University., *Member*

Secretary to Governor of Goa, Raj Bhavan,
Dona Paula, Goa., *Member*
Ranjana Salgaonkar, Salgonkar House, Vasco-
Da-Gama, Goa, *Member*
Fr. Ront'tido D'Souza, Director, Xavier Institute
of Management, Ribandar, Goa., *Member*
V.N. Kamat Dalai, Dean, Faculty of Natural
Science, Goa University, *Member*

Secretary (Finance), Govt. of Goa, Secretariat,
Panaji, Goa., *Member (Ex-Officio)*
Secretary (Education) Govt. of Goa, Panaji,
Goa., *Member (Ex-Officio)*
Registrar, Goa University., *Member-Secretary*
(Ex-Officio)

During the year 1997-98 seven regular meetings of the Executive Council were held.

2.4 List of the members of Planning Board

Vice-Chancellor, Goa University., *Chairman*
(Ex-Officio)
D.N. Dhanagare, Vice-Chancellor, Shivaji
University, Kholapur., *Member*
V.N. Kamat Dalai, Dean, Faculty of Natural
Sciences, Goa University., *Member*
Alban Couto, 6, Citadel, Cenotaph, 2nd Lane,
Chanai.-18. , *Member*

S.D. Karnik, WRC-ICSSR, J.P. Naik Bhawan,
Vidyanagari, Kalina, Santa Cruz (East),
Bombay - 400 098., *Member*
Registrar, Goa University., *Member-Secretary*
(Ex-Officio)

The second meeting of the Fourth Planning Board was held on 14⁸¹ March, 1997.

2.5 List of the members of Finance Committee

Vice-Chancellor, Goa University, *Chairman (Ex-Officio)*
Joint Secretary of Higher Education/Director of Higher Education, Govt. of Goa,
Secretariat, Panaji, Goa., *Member(Ex-Officio)*
Joint Secretary(Finance), Govt. of Goa,
Secretariat, Panaji, Goa., *Member(Ex-Officio)*
Fr. Romualdo D'Souza, Director, Xavier Institute
of Management, Old Medical College,
Complex, Ribandar, Goa, *Member*

Prof. A. Sreekumar, Dean, Faculty of
Management Studies, Goa University,
Member
Shri Pradip Mahatme, P.P. Mahatma & Co.,
Chartered Accountant, Gabrnar Apartments,
Vasco-da-Gama, *Member*
Finance Officer, Goa University, *Member-Secretary*
Registrar, Goa University, *Member(Ex-Officio)*

During the year 1997-98 two meetings of the Finance Committee were held.

2.6 List of Deans of Faculties.

A.K. Joshi, Faculty of Languages
K.M. Mathew, Faculty of Social Sciences
M. Mavinkurve, Faculty of Life Science &
Environment
V.N. Kamat Dalal, Faculty of Natural Science
W.K. Belokar, Faculty of Medicine

B.N. Reddy, Faculty of Medicine (since August
1998)
Cho Padamsee, Faculty of Engineering &
Architecture
A. Sreekumar, Faculty of Management Studies

2.7 List of Officers of the University:

B.S. Sonde, Vice-Chancellor
D.V. Borkar, Registrar
A.V. Rao, Deputy Registrar (G.A.)
M.S. Chauhan, University Engineer
Gopalkrishna G. Kondli, Controller of Examinations
T.A. Rane, Head, Computer Centre
V.R. Navelkar, In-charge Librarian
A.G. Khanolkar, Assistant Registrar
U.V.K. Shankwalkar, Assistant Registrar
G.J.S. Talaulikar, Assistant Registrar
M.A. Vaidya, Assistant Registrar
G.D. Nasnodkar, Assistant Registrar
Shaik Mahmood, Assistant Registrar
Leo Macedo, Assistant Registrar

Donald Rodrigues, Assistant Registrar
M. Shreedhara, Assistant Registrar
Albert Fernandes, Assistant Registrar
Smt. S.N. Kamat Dias, Assistant Registrar
T.D. Halarnkar, Director of Students' Welfare
Patricia Sequeira, Medical Officer
A.A. Kakodkar, Documentation Officer
V.L. Sawkar, Executive Engineer
Amit Srivastava, Assistant Engineer
S.S. Talaulikar, Assistant Engineer
Rajanikant Parsekar, Assistant Engineer
M. Chakraborty, Programmer
Sanjay Bandodkar, Programmer
Damodar J. Naik, Assistant Accounts Officer

Editorial Committee

*A. J. Jayanthan (Convenor), A. V. Afonso, Nandkumar
Meekoth,
M. K. Janarthanam*

Assisted by:

U. V. K. Shankwalkar, J. A. C. P. Vaz, Ms. Nora N. Naik

PART 3: UNIVERSITY DEPARTMENTS

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., 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.

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

Department of English

A.K. Joshi, Ph.D, *Professor & Head*

A.B. Patil, PhD, *Reader*

K.S. Bhat, PhD, *Reader A.P.*

Vashishta, Ph.D, *Lecturer*

K.J. Budkuley, Ph.D, *Lecturer*

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

Department of French

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

Gloria Saravaya, Ph.D., *Reader*

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

Department of Hindi

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

R. N. Mishra, Ph.D., *Reader & Head*

(*w.e.f. I 7.4.98*)

Ishrat Khan, PhD, *Lecturer*

Vrushali Mandrekar, M.A., *Lecturer*

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

Department of Marathi

S.D. Komarpant, PhD, *Professor & Head*

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

V.D. Sawant, PhD, *Lecturer*

S.M. Tadkodkar, Ph.D, *Lecturer*

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

Department of Portuguese

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

Jose Miguel R. Lume, M. Phil., *Visiting Lecturer*

Maria do Ceu Barreto, M. A., *Teacher*

Dello Vitor Mendonca, M. A., *Teacher*

3.1.2. Highlights of the research activities:

Department of English

A.K. Joshi : worked on Contemporary literary theory and wrote and lectured extensively on Marxist and literary theory, Psychoanalytic criticism and reader response theory.

A. B. Patil : worked on comparative literature and did a minor research project on literary taste in Goa & Indian comparative literature & delivered lectures on post-colonial interdisciplinary studies.

K. S. Bhat : has been actively pursuing research in the field of cultural studies.

K. J. Budkuley : Comparative study of Konkani and Canadian writing is being done. A paper related to such research is published in *Critical Practice*.

A. R. Fernandes : conducted research on Speech Synthesis at the Department of Engineering, Electronics and Computers, University of Porto, Portugal during September - November 1997.

Department of Hindi

B. K. Sharma is working on " Samakaleen Kavita Ka Samajshtra".

Vrushali Mandrekar is working on "Markedey Aur Pundalik Nayak Ke Achalik Katha Ka Tulnatmak Adhyan"

Department of Konkani

O.J. .F. Comes carried on his research into old Konkani Literature even after the U.G.C. sponsored project "Reconstruction of Old Konkani Literature" was over in February, 98 and also worked on modern Konkani Literature and Culture in all its variegated aspects, as well as on the Indo-Portuguese history.

(Ms) Chandralekha D'Souza and Ms. Tadkodkar worked on 'Indian Poetics' and 'Western Poetics' respectively, under the U.G.C. scheme of preparation of University-level text books by Indian authors. Ms. Madhavi Sardesai guided some students on research on Linguistic aspects of Konkani.

Department of Marathi

S.M. Tadkodkar: (a) Compiling and editing three passions of Christ written by the " Christian Missionary Marathi written from 17th century in Goa. This editing will be done with the application of the principles of textual criticism. (b) Compiling and editing, the vocabulary made by Padre Diogo Ribeiro, a 17th century Christian Missionary. This research work will highlight the language in Goa of the 17th Century.

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

Prof. Mruntunjay Uapadhay (Lecture under Kendriya Hindi Nideshalaya Scheme) Post Independence Hindi Poetry, 4-6 February 1998.

Prof. Kashinath Singh, Varanasi , (Visiting Professor under U.G.C. Scheme)(a) *Katha Sahitya Yevant Nibandh Par*, (b) *Kavita Sandarbha Kedarnath Sinha Dhumil*, (c) *Goke Ke Ma Upanyas Athava Galeb Per*, (d) *Samakaleen Upanyas*, 4-14, February, 1998.

3.1.4 Sponsored Research Projects sanctioned in 1997-98 (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)

A. Rafael Fernandes, *Portuguese Language in Goa: Phonetic Study and New Technologies in Teaching*, July 1997, *Fundacao Oriente*, Rs. 1,20,000/- (approx.)

3.1.5 Seminars/Conferences/Workshops, etc.

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

Contemporary British Literature, 31.1.98, & 31.1.98, *Goa University*, Dept. of English & British Council, Bombay.

Seminar cum Demonstration on Speech Synthesis conducted by Prof Diamantino Freitas, 13 January, 1998, *Universidade Do Porto, Portugal*, Department of English & Portuguese.

Hindi Novel, 27.09.97, *Kala Vaibhav & Goa University*, Dept. of Hindi.

Atmakatha Sasmaran Yevam Yatra Sahitya, 3-4 March, 98, *Goa University*, Dept. of Hindi & Konkani.

Autobiography, biography, reminiscences, and travel Literature (National), 3-4 March 1998, Dept. of Konkani and Dept. of Hindi.

Folk Literature & Folk Tradition, 23-24 March, 98, *Goa University in collaboration with Gomantak Marathi Acadenzy*, Dept. of Marathi.

30th National Congress, 28-30 November, *Embassy of France*, Dept. of French.

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

- A.B. Patil, *Modern Konkani Katha*, Margao, Konkani Bhasha Mandal, 2/8/97 to 3/8/97, *Uttaradhunik Bharatiya Katha, Nave Prawah..*
- A.B. Patil, *Contemporary literary and cultural criticism in India*, Shimla HAS, 4/11/97 to 6/11/97, *Contemporary literary & cultural criticism.*
- A.B. Patil, *Swatantrottar Marathi Sahiti:acha Chera Mohara*, Pune Univ. 30/12/97 to 1/1/98, *Uttarvasalzatik Marathi Sahitya from a comparative perspective.*
- A.B. Patil, *European studies in Independent India*, Panaji Goa IIESC, 12/3/98 to 14/3/98, *The Presence of European texts in the Goan literary taste.*
- A.B. Patil, *Criticism in Indian languages at the Fin-de-Milletznm*, Rajkot Univ. 20/3/98 to 29/3/98, *A comparative critique of currents in contemporary Marathi criticism.*
- K. Budkuley, *International Conference on European studies in Independent India*, Goa University, 12/3/98 to 14/3/98, *Beyond the crossroads:Encountering post-war Europe.*
- K.Budkuley, *National Seminar on Women & Development:Canada and India*, Goa University, 27/2/98, *Empowerment of women: A Literary view.*
- K. Budkuley, *Kadambari*, Curchorem Goa, 20/11/98, *Kadambari: Roop ani Khashelponn..*
- K. Budkuley, *Relevance of Mahatma Gandhi to our Times*, MES College Zuarinagar Goa, 18/10/97, *Relevance of Gandhian Thought to contemporary India.*
- A. R. Fernandes, *International Conference on Computational Linguistics, Speech and Document Processing*, C.V.P.R., I.S.I., Calcutta, 18/2/98 to 20/2/98, *Isolated Digits Recognition in Konkani.*
- B.K. Sharma, Jammu University, 22/12/97 & 23/12/97, *"Samakalee Kavita Aur Soundryadrusty"*.
- B.K. Sharma, Central University Hyderabad, 9/2/98, *"Nirala Ka Kavaye"..*
- B.K. Sharma, Elphinstone College, Bombay, 10/2/98, *"Kabeer Kee Darshnika"*.
- B.K. Sharma, Marathawada University, 16/3/98 to 18/3/98, *"Punaryagarn Aur Kabeer"*.
- I. B. Khan, M.E.S. College, 18/10/97, *"Relevance of Mahatma Gandhi"*.
- I. B. Khan, Goa University, 3/3/98 & 4/3/98, *"Hindi Ka Yatra Sahitya: Ek Vidhangavlokan"*.
- Vrushali Mandrekar, Goa University, November,97 *"Baba Batesarnath Main Gramin Jivan Bodh"*.
- Vrushali Mandrekar, Goa University, 3/3/98 & 4/3/98, *"Atmakatha Sahitya Ka Mulyankan"*.
- Ravindra Mishra, Goa University, 3/3/98 & 4/3/98, *"Rekhachitra Sahitya"*.
- O.J.F. Gomes, *Konkani Bhasha Mandal*, Margao, Goa, *Old Konkani Literature.*
- O.J.F. Gomes, Coimbra, Portugal, 22.10.97, *"The role of Konkani in the resurgence of Goan Culture"*
- O.J. F. Gomes, Coimbra (Portugal), 22.1.98, *Goa in the Politico Cultural context of India.*
- O.J. F. Gomes, Lisbon (Portugal), 17.6.98, *Indo-Portuguese Cultural Encounteraction, interaction, attrition and assimilation, National Library, Lisbon.*
- S. D. Komarpant, Panaji Goa, 15/11/97, *"Gomantakiya Sahitya Samajikatechi Swamp"*.
- V.D. Sawant, Aurangabad, 30/3/98 & 31/3/98, *Nadho Mahanor yache sahitya.*
- V.D. Sawant, Panaji, 14/11/97 & 15/11/97, *Marathi Kadambaritil badalatya janiya.*
- V.D. Sawant, Bombay, 27/3/98 & 28/3/98, *Marathitil Sahitya prakar.*
- S. M. Tadkodkar, Jalgaon Univ., Amalner, 2/1/98 & 3/1/98, *Post-sixty Marathi Literary criticism, Pre-portuguese Marathi.*
- Edith Melo Furtado, *Woman and Development - Canada and India*, Goa University, February, 1998, *The Woman Image in..... "*
- Gloria Saravaya, Delhi, March, 1998, *The mystic fable in M. Yourenar.*

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

- B.K. Sharma Rohitashva, *European Literature*, Goa University, 12/3/98.
- B.K. Sharma, *Irihaska Punarlekhan*, Karnataka University, 17/3/98 & 18/3/98.
- I. B. Khan, *Hindi as a Official Language*, **N.I.O.** 4/4/98.
- I. B. Khan, *Hindi Vartani*, Goa Shipyard, 18/11/97.
- Ravindra Mishra, *Janmashati Nirala Samaroh*, Lucknow University, 15/5/98 & 16/5/98.
- O.J.F. Gomes, *NET Paper-setting workshop in October, 1997*, New Delhi, 7-9 October 1997.
- O.J. F. Gomes, *International Conference on Vasco-da-Gama & India*, Paris.

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

- A.B. Patil, Uttarasahati K Navya Saundrya Janiva ani Taulanik Sankslcriti Samiksha Prakasha, **Yugwani Annual, Annual Warshik, pp.26-40**, December, 97.
- A.B. Patil, Uttarasahatik Sahitya ani Samikshecha Chehara Mohara, **Rayat Bulletin, No.1 pp. 1-50**, May, 1998.
- A.B. Patil, *New Trends in Modern Indian Short Story*, **Jag, No. 6 pp. 1-12**, August, 1998. A.B. Patil, *Swami Vivekanand: A study*, **Review Projector, Vol. 2 p. 5**, December, 1997. K. Budkuley, *Motifs and Motives in Multicultural Mosaics: Juxtaposing Canadian English and Goan Konkani short story*, **Critical Practice, Vol. IV No. 2 pp. 70-86**, June, 1997.
- K. Budkuley, *Chhatrapati Shivaji: Our (17th Century) Contemporary*, **Navem Parva, Vol. II pp.66-69**, May, 1998.
- A. R. Fernandes, *Isolated Digits Recognition in Konkani*, **Proceedings of the International Conference on Computational Linguistics, Speech and Document Processing, ICCLSDP-98**, February, 1998.
- Ravindra Nath Mishra, *"Adhunik Sankat Avam Kamyani Mein Yugbodh"* **Sahitya Mandal Patrika, 194**, August/September, 1997.
- Ravindra Nath Mishra, *"Ek Lekhak Se Batcheet"* **Rasta Patrika**, Bhopal, M.P., **4**, September, 1997.
Ravindra Nath Mishra, *"Taarsaptak Ki Bhumika Ka Aalcalan"* **Hindustani Traimasik, 58/3**, July, 1997.
- B. K. Sharma, "Galib" **Sahitya Setu Sagar**, December, 1997.
- I. B. Khan, *"Sahitya Bhasha Itihas Lekhan Nide Shalaya, Ke Srot"*, **Bhasha Patrika, Y-36 6**, July , August 1997.
- I. B. Khan, *"Swadhinta Atndolan Aur Goa. Hindi Rashtrabhash"* **Sahitya-Setu Sagar, Y-02 3**, April, May, 1997.
- R. Mishra, *"Interview with Dr. Bal Shauri Reddy"*, **Sahitya Bharti**, October/December 1997.
O.J.F. Gomes, (Hindi translation by Chandralelcha D'Souza) *Konkani Novel in Goa & Maharashtra, Kadambini, New Delhi*, December, 1997.
- S. D. Komarpant, *Smite Jayanchee Chaintyan fule (Article on V. S. Khandekar & P.K. Atre)*, **Miti Mapusa**, 1997.
- S. D. Komarpant, *Swantryottar Kalakhandateel Marathi Sahityache Vihangamaolokan*, **Antarang, Mumbai**, 1997.
- S. D. Komarpant, *Kathakar V. S. Khandekar- Maitra*, Gomantak Marathi Academy, 1997.
- S. D. Komarpant, *V. S. Khandekaranche Samruddha Vangamayeen Vyaktimativa - Aarti*, (Sawantwadi , Khandekar Special Issue), January/February, 1998.
- S. D. Komarpant, *Vangamayeen Samskrutiche Upasak V. S. Khandekar Vasant*, **Mumbai**, February, 1998.
- V. D. Sawant, *Deshivadi Sahitya Shidhata, Shrivani*, July, 1997.
- V. D. Sawant, *G. A. Kulkarni Yachya Nilasavala, Avishakar*, November, 1997.
- S. M. Tadkodkar, *Review: Post Sixty Marathi Literary Criticism*, **Sahitya Suchi**, June, 1997.
- S. M. Tadkodkar, *Gatashatak Patrikechhyaa Nimittanay*, **Ruchi**, June, 1998.
- Edith Melo Furtado, *Rabelais Un attee oie un chretien rebelle*, **Essais, 5**, 1997-98.
- Selma de V. Velho, *"Some Aspects of the 20th Century Portuguese Literature on Exile"* **Portugal Newsletter Volume 5 No.10 pages 19 to 34**, March 1998.

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

- A.B. Patil, *Taulanik Sahitya: Nave Sidhant ani Prayojan*, Aurangabad, Saket Prakashan, 1998.
- K. Budkuley, *Sahitya Niyaal: Antarang ani Kayaarupan*, Goa (Funds) Om Sri Datta Padmaja, 1998.
- V. D. Sawant, *Udaranadhra Vividhagi Samisha*, Shabadhalaya Prakashan Srirampur, 1998.
- V..D. Sawant, *Kashatasha Sahityachi Bhasha*, Shabadhalaya Prakashan Srirampur, 1998.
- S. M. Tadkodkar, (chief editor) *Prof A. K. Priolkar birth centerary volume*, Gomantak Marathi Academy, March, 1998.

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

Smt. Suneeta Yadav, Hindi, "*Phaneeshwarnath Reny Ke Katha Sahitya Ka Samajshastraya Adhyayan*".

Isabel I. Denis, English, *Malcolm Lowry: A critique of his writing*.

3.1.9 Any other information:

1. A.B. Pail! - Invited by Review Projector India (Coimbatore) to work as a consultant for Thomas John's English novel before publication.
2. B. K. Sharma Rohitashva - Editor of Sahitya Sethu Sagar Magazine.
3. O.J.F. Gomes awarded V.X. Verodiano (U.S.A.) International award "in recognition of his commitment to the growth of Konkani Literature in an environment of communal decline".
4. O.J.F. Gomes was awarded a Fundacao Oriente (Lisbon) research Fellowship in 1997 to work on the "Role of the Religious Orders in Goa-XVI & VII Centuries" and visited archives in Lisbon..
5. Madhavi Sardesai was awarded a research fellowship by Fundacao Oriente to work on a project of the Porto University in Portugal on "Multi-lingualism and Portuguese in Goa" for a three months stay in Porto in September - November.
6. Edith Melo Furtado - Awarded a fellowship to do a summer course at the University of Caer and at the University of Sorbonne, Paris in July-September 1997.
7. Selma de V. Velho went to Portugal for a Research on "the Presence and Transmission of Indian Folklore in Portuguese Fairy Tales" sponsored by Comissao Nacional Para Comemoracoes dos Descobrimentos Portugueses.

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 Political Science: (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, PhD, *Reader*

H. Sadia Rizvi, M.A., *Lecturer (on lien)*

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

Pranab Mukhopadhyay, M.Phil, *Lecturer*

P.K. Sudarsan, Ph.D., *Lecturer*

Department of History

K.M. Mathew, PhD, *Professor & Head*

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

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

Ujjayan Bhattaacharya, (On Study leave)

M.Phil., *Lecturer*

Nagendra Rao, M.Phil., *Lecturer*

Y.V.S. Divakara Rao, 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*
Koshy Tharakan, M.Phil., *Lecturer*
Milan Desai, Ph. D. , *Lecturer*

Department of Sociology

Pratima P. Kamat, M.A., *Lecturer*
Sasheej Hegde, Ph.D., *Lecturer*
Seemantini Niranjana, Ph.D., *Lecturer*
Nishta Tombat, Ph.D., *Lecturer*
Manish Thakur, M.Phil., *Lecturer*

Department of Political Science

Peter R. deSouza, D.Phil., *Professor & Head*
D.K. Singh, Ph.D, *Lecturer*
Aureliano Fernandes, Ph.D., *Lecturer*
Adi H. Doctor, PhD, *Visiting Professor*

Centre for Latin American Studies

V. Shivkumar, Ph.D., *Director & Professor*
Pushkar, M.Phil, *Lecturer* (On study leave).
Dilip Loundo, Ph.D., *Brazilian Readership*
Dalbir Singh, Ph.D., *Lecturer*
Aparajita Gangopadhyay, M.Phil., *Lecturer*
Archana Kakodkar, M. Lib. Sc. *Documentation Officer*

3.2.2. Highlights of the research activities:

Department of History

The Department undertook research mainly in the areas of Indo-Portuguese history and Indian history. Prepared a proposal for establishing a Maritime Research Centre and Museum for the U.G.C. Visiting Committee under the IX Plan.(Dr. K. M. Mathew)

Worked on research projects like "Women in Goa's Struggle for Freedom" and "Women in Colonial Goa".(Pratima P. Kamat)

Worked on his research project on the "History of Trade and Commerce in Goa".(Dr. N. Shyam Bhat)

Engaged himself in writing his Ph.D. Thesis.(Ujjayan Bhattacharya)

Collected source materials for his research work on "Craft Production and Trade in South Kanara A.D. 1000- 1763".(Nagendra Rao)

Collected source materials for his doctoral work on "Caste, Nationalism and Peasantry in Andhra 1920 - 1947". (Y. V. S. Divakara Rao).

Department of Philosophy

Koshy Tharakan: Phenomenological approaches to social reality - studies in philosophy of social sciences.

Sanjyot D. Pai Vernekar: Ethical Justification of Informed Consent: Studies in Medical Ethics.

Milan Desai: Studies in Falsificationism and Popperian Methodology.

A. V. Afonso: Issues in Bioethics from Indian Context; Interface between Science and Ethics.

Department of Political Science

(a) The Department organised Training Programme for Panchayati Raj Institutions functionaries in December 1997 (b) The Department is in the process of publishing a book 'Panchayattantra' The Department has an ongoing Research Project on 'Environmental NGOs in Goa' (d) The Department conducted Research Seminars on following themes: (i) "Shenoi Goenbab and Konkani" (ii) "Culture & Political Identity in Goa" (iii) "Issues and Strategies in Common Property Resources" (iv) "Secularism in India: A Sceptical View" (v) "Theory and practice of Populism in Brazil" (vi) "The French Policy of Assimilation and the literary answer to it by ex colonized writers".

Department of Sociology

A historical and ethnographic study of a village to examine the transformation of the Ganv. Also, the cultural and economic appropriation of tourism is a continuing interest. (Alito Siqueira) The consolidation of gender identities in specific socio-political contexts. By emphasizing the spatial matrix of social life it also raises key issues for gender studies and Indian sociology. (Seemanthini Niranjana) The Construction of the "Rural": Competing Discourses and issues in Sustainability: Participatory Development of Common Property Resources. (Manish Thakur).

Centre for Women's Studies

Pratima Kamat - Worked on research projects like "Women in Goa's Struggle for Freedom" and "Women in Colonial Goa".

Shaila De Souza - (1) A study of the Traditional Health Practices and the Changing Health Status of the Women in Kakra (a village in Goa). Preliminary paper to be presented at the Lusotopie Conference to be held in Goa in December 1998. (2) 'Organising without Hierarchy : A case study of a women's collective in Goa'. (3) Public Health Policy and Malaria in Goa.

Centre for Latin American Studies

To disseminate the information about the Latin American region, the Centre offers article alert service on Latin America. Also the Centre compiles news on Latin America which appear in Indian newspapers.

V. Shivkumar visited United States, Mexico, Argentina and Trinidad and Tobago. His trip sponsored by the University Grants Commission and the Ministry of External Affairs was aimed at forging closer relations with the academic and research institutions. In the process, he attended and delivered lectures at some leading institutions that are interested in entering in joint research and exchange of scholars. Also, Memorandums of Understanding (MOU) were being signed with some universities which are under consideration by the appropriate authorities.

Dalbir Singh has finalised the draft of the book "Communist Party in Cuba". The book is under print by Classical Publishing Company, New Delhi.

A Certificate course on the Brazilian Culture and Portuguese Language has been started.

Archana Kakodkar visited Paris at the invitation of Chancery of the Universities in Paris, the Gulbenkian Foundation, the Orient Foundation, for the seminar on "Vasco-Da-Gama and India". She presented a paper entitled "Hindus in Goa in 19th and 20th Centuries at the University of Sorbonne, Paris.

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

Shri Vijendra, Bombay University, '*Implications of Recommendations of Rastogi Committee for Higher Education in India*', 29th October, 1997.

Prof. Alex Callincos, University of York, U.K., '*Where is Capitalism Going?*', 19th January, 1998.

Prof. Achin Vanaik, Jamia Milia Islamia University, New Delhi, '*India and Nuclear Weapons*', 10th February, 1998.

Mr. Eric Gonsalves, Government of India, '*Strategic Issues in India's Foreign Policy*', 26th March, 1998.

Prof. R. Narayanan, J.N.U., '*Dependency and Development*', 11-13 August, 1998.

Mr. Eric Gonsalves, Foreign Secretary (IFS) Retd., '*50 years of India's Foreign Policy*', 10th January, 1998.

Shri T. R. Satish Chadran, Governor of the State of Goa, '*The Role of Electricity in India's Economy*', 19th March, 1998.

3.2.4 Sponsored Research Projects sanctioned in 1997-98 (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)

- Pratima P. Kamat, *Peasantry, the Colonial State and the National Question in Goa, 1946-1961*, March, 1998, Goa University, Rs. 14,900/-.
- V. Shivkumar, *Indo-Latin American Relations Retrospect and Prospect*, 1.6.97, Ministry of External Affairs, Rs. 45,000/-.
- Dalbir Singh, *Reforms in State Institutions*, 30.3.98, Goa University, Rs. 11,000/-.
- Aparajita Gandopadhyay, *Indigenous Movements in Latin Arne, ica:A case Study of Peru*, 30.3.98, Goa University, Rs. 10,000/-.
- D. K. Singh, *Environmental NGOs in Goa*, 1.5.1998, Goa University, Rs. 15000/-.

3.2.5 Seminars/Conferences/Workshops, etc.

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

XII Local History Seminar on "Urbanisation in Goa Through the Ages" and Symposium on " Navigational Encounters, Trade and Commerce", 5-6 March, 1998, Goa University and Government of Goa, Department of History and Directorate of Archives, Archaeology and Museum, Govt. of Goa, Panaji.

Restructuring the Indian Economy: Issues and Consequences, 22-23 January, 1998, Goa University, Economics.

Revisiting the Environmental Discourse in Goa, 21.2.98, Goa University, Political Science.

Bioethics: Indian Perspectives, 26-28.11.1997, Indian Council of Philosophical Research, Philosophy

Symposium on Environmental Ethics, 9-10.3.1998, Goa University, Philosophy

Workshop on "Academic Philosophy", 19.3.1998, Goa University, Philosophy

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

K. M. Mathew, *Vasco da Gama and India*, University of Sorbonne Paris, 11-13 May, 1998, "Naval Construction in Portuguese India".

Pratima P. Kamat, *Mulher e Literatura*, Universidade Federal Fluminense, Niteroi, RJ, Brasil, 22-24 September, 1997, "Feminine Mystique as the Feminine Ideal : A Critique of the Female voices in Indo-Portuguese Literature, 1861-1961".

Pratima P. Kamat, *Urbanisation in Goa Through the Ages*, Directorate of Archives. Archaeology & Museum, Govt. of Goa, Panaji, 5-6 March 1998, "Female Eleemosynary Space in the 'Golden' Goan Cityscape: A Case-Study of the Recolhizentos".

Pratima P. Kamat, *Vasco da Gama and India*, University of Sorbonne, Paris, 11-13 May, 1998, "The Politics of Conversion and collaboration of the Estado da India and the Hindus, 1510-1821".

N. Shyam B hat, *Indian Freedom Struggle and Post-Independent India*, Rastrakavi Govinda Pai Samshodhana Kendra, Udupi, 28.9.1997, "Quit India Movement: A Critique".

N. Shyam Bhat, *Relevance of Mahatma Gandhi to our Times*, M.E.S. College of Arts and Commerce, Zuarinagar, Goa, 18.10.97, "Mahatma Gandhi and Political Leadership:An Historical Evaluation".

N. Shyam B hat, 58th Session of Indian History Congress, Department of History, Bangalore University, 14 to 16 November, 1997, "Judicial Administration in South Kanara. 1799-1862".

N. Shyam Bhat, *Europe and South Asia: 500 years*, Institute of Social Science, New Delhi, Kozhikode and Cochi, 16 to 20 May, 1998, "Land Revenue System and Agrarian Relations in South Kanara, 1799-1862".

A. R. Padoshi, Goa University, 22-23 January, 1998, *Agriculture and New Economic Policy*.

S. M. Noronha, Trivandrum, 2-4 January, 1998, *Child Labour - Causes and Consequences*.

S. M. Noronha, Goa University, 22-23 January, 1998, *Economic Restructuring and Trade Unions*.

Pranab Mukhopadhyay, *International symposium on "Ecology, Survival and First Nations"*, University of Pune, 13-14.2.1998, *Tribal Societies and Missing Markets : An Indian Context*.

Koshy Tharakan, *Symposium on Environmental Ethics*, Goa University, 9-10.3.1998, *Phenomenological Approach to Philosophy of Environment*

- Koshy Tharakan, *Revisiting the Environmental Discourse in Goa*, Goa University, 21.2.1998, *Man and Environment: A Phenomenological Perspective*
- Sanjyot D. Pai Vernekar, *Bioethics: Indian Perspectives*, Goa University, 26-28.11.1998, *Euthanasia: An Indian Perspective*
- Sanjyot D. Pai Vernekar, *Philosophy of Science: A Cognitive, Historical and Educational Perspective*, IIT, Bombay, 18-22.2.1998, *Man versus Nature: A Moral Dilemma*
- Sanjyot D. Pai Vernekar, *Symposium on Environmental Ethics*, Goa University, 9-10.3.1998, *The Concern for Environment*
- A. V. Afonso, *Bioethics: Indian Perspectives*, Goa University, 26-28.11.1998, *Understanding Illness*
- A. V. Afonso, *Philosophy of Science: A Cognitive, Historical and Educational Perspective*, HT. Bombay, 18-22.2.1998, *Ethical foundations of scientific enterprise*
- A. V. Afonso, *Symposium on Tourism in Third Millennium*, Goa International Centre, Dona Paula, 24.9.1997, *Ethical Code of Conduct for Tourism Industry*
- V. Shivkumar, Uni. Of Mar del Plata, Argentina, 22.4.1998, *"Indo-Latin American Relations"*
- Dalbir Singh, Goa University, 12-13 March, 1998, *"Indian Perspectives on the Political Scenario of Europe"*
- Dalbir Singh, JNU (New Delhi), 13-14 November, 1998, *"Continuity and Change in Australia's Foreign Policy"*
- Dilip Loundo, Goa University, 12-13 March, 1998, *European Union - Mercosur: Agreements and Perspectives*
- Dilip Loundo, India International Centre (New Delhi), 7-4-1998, *Changing Times and Paradigms: Poetical Creation according to Joao Cabral de Melo Neto*
- Archana Kakodkar, Goa University, 12-13 March, 1998, *Bibliography of Sources for the Study of European Community*
- Archana Kakodkar, Sorbonne University, Paris, 9-13 May 1998, *Hindus in Goa during XIXth and XXth Centuries*
- Peter R. deSouza, Bangalore, 27-30 June 1997, *Election Commission & Electoral Reform in India organized by Bharatiya Vidya Bhavan, New Delhi, Konrad Adenour Foundation, New Delhi, and Society for Peace, Security and Development Studies, Allaha bad*
- Peter R. deSouza, South Korea, 17-21 August 1997, *Determining significance in the global village-the challenge for Political Philosophy at the 17th World Congress of International Political Science Association, South Korea*
- Peter R. deSouza, Goa Chamber of Commerce & Industry, Panaji, 11th August, 1997, *Post-Liberation Socio-economic Evolution of Goa*
- Peter R. deSouza, Goa, 12-14 March 1998, *Hegemony of Western Political Philosophy at International Seminar on European Studies*
- Peter R. deSouza, Pune, 26-27 March 1998, *7^{3rd} Amendment from Enfranchisement to Empowerment*
- K. Singh, Goa, 27 February 1998, *Rethinking Reservations for Women in Indian Political Institutions, in the one day Conference on 'Women and Development : India and Canada' organised by Canadian Studies Programme Centre, Goa University*
- Seemanthini Niranjana, *Bio-ethics: Indian Perspectives*, Goa University, 26-28 November 1997, *Trespassing Boundaries : the body, morality and bioethics*
- Shaila De Souza, *Seminar on 'Women and Development'* Indo-Canadian Studies Programme, Goa University, 27.2.1998, *"Organising Collectively: Understanding Women's Mobilisation in Goa"*
- Shaila De Souza, *World Wildlife Fund, Goa, conference 'Population, Development and Environment'*, Goa International Centre, Panaji, 11.7.1997, *"A preliminary study of malaria in Goa."*

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

- K. M. Mathew, *58th Session of Indian History Congress*, Bangalore University, Bangalore, 14-16 November, 1997.
- K. M. Mathew, Pratima P. Kamat, N. Shyam Bhat, Nagendra Rao & Y.V.S. Divakara Rao, *Urbanisation in Goa Through the Ages and Navigational Encounters, Trade and Commerce*, Directorate of Archives, Archaeology and Museum, Govt. of Goa, Panaji, 5-6 March, 1998.

Sanjyot D. Pai Vernekar, Koshy Tharakan & Milan Desai, *Workshop on "Academic Philosophy"*, Goa University, 19.3.1998
Alito Siqueira, *Reality, Development, Purpose*, Wai, Maharashtra, 5-8 March 1998.
Seemanthini Niranjana, *The Politics of Translation*, Hyderabad, 23-25 January 1998.
Shailla De Souza, *South Asian Peace Studies Programme*, Organized by the Maulana Abul Kalam Azad Institute for Asian Studies, Calcutta, in association with the UNHCR, 20-29 October, 1997.
Shailla De Souza, *United States Information Service Workshop on 'Law and Society'*, Taj Mahal Hotel, Mumbai, 9-10 August, 1997.

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

N. Shyam Bhat, *"Peasant Uprisings in South Kanara in the Nineteenth Century"*, **Colonialism and Nationalism in Karnataka 1800-1900**, edited work, **Vol.VI Kannada University, Hampi**, October 1997.
Nagendra Rao, *"The Historical Tradition of South Kanara and Brahmanical Groups"*, **Indica**, Vol. 35 No. 1, March 1998.
Koshy Tharakan, *Husserl's Notion of Objectivity: A Phenomenological Analysis*, **Indian Philosophical Quarterly**, XXV, 2, April 1998.
Dalbir Singh, *"Argentina's Role in Nuclear Disarmament"* **Peace Initiatives (New Delhi)**, Vol.III, No. IV, pp. 49-63, July-August 1997.
Dalbir Singh, *Transcendence of Jose Marti*, in **CLAS Paper Series (Centre for Latin American Studies, Goa University)**, no. 7, 1997.
Dalbir Singh, *Rise and Decline of the Radical Party in Argentina: Some Indian Perspectives*, V (ed.) **Embassy of Argentina, New Delhi: B.R. Publishing Corporation**, 1997.
Archana Kakodkar, *Breaking the Language Barrier: Machine Translation Comes of Age*, in **Prof. P.B. Mangla Festschrift Vol. No. 2, Ed. R.G. Parashar, New Delhi**, 1998
Peter R. deSouza, *"The Idea of the Political. Boundary, Significance, Agency"*, **Studies in Humanities and Social Science**, Vol. W No. 2, Winter 1997.
Peter R. deSouza, *"The Election Commission and Electoral Reform in India"*, Book edited by D.D. Khanna, et al, **Democracy, Diversity and Stability : 50 years of Indian Independence**, Macmillan, 1998.
Peter R. deSouza, *"I partiti e il processo elettorale in India : Nodi centrali nel dibattito politico corrente (in Italian)*, Book entitled **L'India Contemporanea, Edizioni, Fondazione Giovanni Agnelli**, 1998.
Seemanthini Niranjana, *Femininity, Space and the Female Body:An Anthropological Perspective' in M. Thapan (ed.) Embodiment: Essays on Gender and Identity*, **Oxford University Press**, 1997.
Shailla De Souza, *'Development Malaria and Public Health Policy: A case Study in Goa'*, **Economic and Political Weekly (A preliminary study of malaria in Goa)**, 6-12 December, 1997.

3.2.7 **Consultancy Work Undertaken:**

Alito Siqueira : Consultant to TERI, New Delhi for a research project titled A study of interrelationships, Population, Consumption and Environment.

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

Maria Norma Menezes, Philosophy, *The Quest for Human Subjectivity: An Essay in Philosophical Anthropology*.

3.2.9 Any other information:

1. **K. M. Mathew** delivered a lecture under the Distinguished Lecture Series on "Historical Objectivity in Practice" at M. G. University, Kottayam, on 13-3-1998.
2. **Pratima P. Kamat** : (1) Appointed Member, Goa State Commission for Women. (2) Produced a capsule on Goa's Struggle for Freedom for Girish Karnad's tele-serial entitled 'S waraj yanama'.
3. **Aureliano Fernandes** led a delegation of 15 Women Panchayat Members to Bangalore for a Training Programme.
4. **Shaila Desouza** : Appointed, member of the Advisory Board against Child Prostitution, Department of Women and Child Welfare, Government of Goa (1998).

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, Ph.D, *Reader*

J.S. Budkuley, PhD, *Reader*

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

J.B. Fernandes, PhD, *Reader*

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

V.P. Kamat, PhD, *Lecturer*

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

Department of Computer Science and Technology

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

V.V.Kamat, Ph.D., *Reader & Head*

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*

Department of Geology

A.G. Dessai, Ph.D, *Professor & Head*

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

K. Mahender, PhD, *Reader*

A.G. Chaehadi, Ph.D, *Lecturer*

T.A. Vishwanath, Ph.D, *Lecturer*

University Science Instrumentation Centre

Gaurish M. Naik, Ph.D., *Reader & Head*
Rajendra S. Gad, M.Sc., *Technical Officer*

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, PhD, *Reader*
G.R. Bhat, Ph.D., *Reader*
N.Y. Vasanthacharya PhD, *Reader*.
Uma Subramanian, Ph.D, *Lecturer*
R.B. Tangsali, PhD, *Lecturer*
R.V. Pai, Ph.D, *Lecturer*
R. K. Kamat, M. Phil., *Lecturer*
P.K. Choudhury, Ph.D, *Lecturer*
R.B. Prabhu, PhD, *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} mm 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.

Electroless plating.

Department of Computer Science and Technology

P. R. Rao: Many NP-Complete graph problems become tractable when restricted to special subclasses of graphs. For a particular problem, one is interested in graph classes that are as close as possible to the border line between P and NP, i.e., there is no larger class for which a polynomial time algorithm is known. This motivates the search for larger graph classes for which the problem is still tractable. Algorithms on dominating set parameters have been studied with the purpose of improving them and also designing for particular classes of graphs. Further, algorithms for some graph properties have also been studied on special classes of graphs. Some clustering algorithms with different clustering criteria have been studied in detail. Discovering association rules is one of the classes of problems in Data Mining.

Yma Pinto: Registered for Ph.D programme and currently studying caching techniques for database systems.

Jyoti Pawar: Registered for Ph.D programme and currently studying Partition-based clustering methods, applications of clustering to reduce disk I/O in object bases and study of algorithms for partitioning data dependence graphs.

S. Baskar: Interested in registering for Ph.D programme in the area of Parallel algorithms and distributed algorithms in connection to Data-mining problems.

R. Karamali: Interested in registering for Ph.D programme in the area of VLSI design in networking applications using Ethernet technology.

V. V. Kamat: Currently working on the problem of Motion Control in Computer Animation and some problem related to Computer Image Analysis for applications in Remote sensing and Medical Imaging.

Department of Geology

During the academic year 1997-98, the department was active in pursuing various research activities and had kept the following research areas in focus: (I) Petrology of mafic and ultramafic complexes along the coastal belts between Goa and Northern Karnataka with a view to understanding the economic potential of chromite ores in these rocks. (II) The nature and compositions of the lower crust and the upper mantle beneath the Deccan traps. (III) Statistical modeling and evaluation of mining property from North Goa. (IV) Sedimentology, Microfacies study and palaeoenvironmental analysis of Mesozoic carbonate sequence of Western India. Paleogeographic reconstruction and sedimentation history. (V) Geochemistry of Joida ultramafic complex. (VI) Ground water model studies involving sea water intrusions in the coastal aquifers and impact of mining on ground water environment.

Department of Mathematics

The Department is actively pursuing research in Functional Analysis, in particular, Operator Theory, Stochastic Dynamical Systems, Topology of Knots, Theory of Ordinary & Partial Differential Equations. A. extensive study of Quantum Spin Glasses in the frame work of Quasi-local C* Algebras has been carried out, with special emphasis on their dynamics and equilibrium states. The emphasis in Operator Theory has shifts to the Inverse Spectral Problem. Theory of Quasi linear Elliphic Equations being pursued actively and some progress has been made in understanding Ordinary Differential Equations of Netutral Type. The interest in Knot Theory is due to both the topological complexity of knots as well as its relation to von Neumann Algebras.

Department of Physics

A detailed investigation of alumina and titania supported tungsten oxide catalysts with metal oxide loading percentage . varying between 4 to 12% has been carried out using X-ray absorption spectroscopy (XANES and EXAFS). Both octahedrally and tetrahedrally coordinated W(VI) species are found to be present in catalytic materials, the percentage of tetrahedral species being small. In the case of bimetallic catalysts of nickel and tungsten, our results suggest a formation of a stable interaction complex on the surface of the alumina substrate.

Resistivity, IR and EXAFS studies on YO₄Pr_{0.6}Ba₂Cu₃O₇₋₈ have been carried out in order to understand the mechanism of revival of superconductivity in Y_{1.23} - superconducting oxides..

A series of samples of composition MnSe_{1-x}Tex have been prepared using the vacuum sealing facility setup in the Department. Detailed analysis of the measurements taken on the manganese chalcogenides is being carried out.

Phosphate glasses containing lanthanides have been prepared at University of Aveiro, Portugal and studies by X-ray diffraction and other techniques.

Luminescence and absorption properties of a series of high T_c superconducting oxides have been examined. Both Eu_{1.5} Ba_{1.5} Cu₂O_x heated at 380 C in vacuum and Yba₂Cu₃O₇₋₈ treated with water show luminescence properties whereas untreated samples do not show any luminescence. Numerical Programs to evaluate local and globi minima for Neutron Scattering Analysis were developed.

Density matrix renormalization group studies have been carried out on disordered one dimaltional Hubbard model.

A research programme on a series of mixed ferrites has been initiated.

University Science Instrumentation Centre

The Centre is not research oriented. The Centre is meant for service and maintenance.

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

Prof. S. Kumaresan, Bombay University, *Spaces and Functions*, 23/1/1998, D. B. Wagh Endowment Lecture.

3.3.4 **Sponsored Research Projects sanctioned in 1997-98** (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount)

- V. S. Nadkarni, *Development of Industrially Important Carbonate Monomer*, April 1998, Atomic Energy Regulatory Board Govt. of India, Rs. 1,41,036/-.
- A.G. Dessai, *Petrology of mantel xenoliths in alkaline dykes associated with Deccan magmatism*, December 1997, DST, New Delhi, Rs. 10,20,000/-.
- Y. S. Prahalad & A. N. Mohapotra, *Inverse Scattering Theory*, 24.12.1997, D.S.T. New Delhi, Rs. 2,56,450/-.
- P R. Sarode, R. B. Prabhu, V. N. Kamat Data!, *Neutron Scattering Studies on Anti-ferromagnetic MnSe-xTex*, 31 March 1998, IUC DAEF Indore, Rs. 78,800/-.
- J.A.E. Desa, Dr. G. R. Bhat, *Structure of Rare Earth Oxide Glasses*, 31 March 1998, IUC DAEF Indore, Rs. 52, 239/-.
- R. V. Pai, *Density Matrix Renormalization Group Study of the Disordered Bosonic Hubbard Model on Bethe Lattice*, 1998, UGC Minor Research, Rs. 35,000/-.
- G. M. Naik, R. K. Kamat, *Development of PC Based Instrumentation Setup for Superheated Wash Water System in Sugar Factory*, 1998, UGC Minor Research, Rs. 40,000/-.
- Department of Physics, Goa University, N.I.O., Dona Paula, ISRO, Bangalore & French Govt., *INDOEX Constant Level Ballon Experiment to Monitor the Air Mass Flow from Continent to Ocean*, November 1997, ISRO & French Govt., Rs. 47,000/-.

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

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

- A five day Workshop on Java Programming , 27th June to 1st July 1997, Department of Computer Science and Technology.
- A two day Seminar on "Client-Server Technology for the new Millennium", 13 & 14th November, 1997, Department of Computer Science and Technology.
- A three day Workshop on "Digital Imaging on the Internet", 11-13 December, 1997, Department of Computer Science and Technology.
- M. T. & T. S. Programme 1998, May 25 to June 20, 1998, Department of Atomic Energy, Department of Mathematics.
- School on Magnetism: Modern Methods and Materials, October 13-25, 1997, IUC DAEF Indore, Department of Physics.
- Workshop: Scope and Limitations of B.Sc. Electronics Syllabus, January 23-24, 1998, Goa University, Electronics Section of Department of Physics.
- Short term electronic maintenance course, 12-14 October 1998, U.G.C., USIC & Department of Physics.
- Three day workshop in Analytical Chemistry, 5-7 November, 1997, Chemistry Department in collaboration with Academic Staff College.

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

- J. S. Budkuley, Bangalore, April 1998, *Discussion meeting on synthesis of solid materials*.
- J. S. Budkuley, Bangalore, 18-19 July 1997, *Recent trades in Inorganic materials*.
- J. S. Budkuley, R. Caldeira, G. K. Naik, Roorkee, 18-20 September 1997, *New approach for calculation of kinetic parameters from Thermogravimetric data*.
- J. S. Budkuley, G. K. Naik, S. Bobde, Thiruvananthapuram, 11-13 December 1997, *Synthesis of Highly Active Cobaltite Catalysts using Metal Carbonate*.
- A.V. Salkar, Thiruvananthapuram (Kerela), 11-13 December 1997, *Catalytic Oxidation of carbon monoxide over Ni 1-x Cux Mn204 system*.
- A.V. Salkar, Jammu, 2-5 March 1998, *Thermal investigations in the preparations of man ganik spittels*.

- K. Mahender, *XIV Convention of Indian Association of Sedimentologists*, University of Madras, Chennai, 17-19 December 1997, *Mineralogy, geochemistry and Depositional environment of Miliolitic limestone of Saurashtra Coast, India*.
- P.R. Sarode, *2nd School on Science with Synchrotron Radiation at IUC DAEF/CAT*, Indore, 10-14 November 1997, *EXAFS Data Analysis*.
- J.A.E. Desa, *Second Indian National Conference on Harbour and Ocean Engineering*, Thiruvananthapuram 7-10 December 1997, *Reduction in Density of Suspended Sediment Laden Natural Water*.
- R. V. Pai, *DAE Solid State Symposium*, Cochin, 27-31 December 1997, *The Mott - Anderson Transition in the Disorder one Dimensional Hubbard Model*.
- R.V. Prabhu, *Magnetism : Modern Methods and Material*, Goa University, 13-25 October 1997, *Magnetism in Kondo and Heavy Fermion Systems*.

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

- R. B. Tangsali, *Magnetism: Modern Methods and Materials at Goa University*, Department of Physics, Goa University, 13-25 October, 1997.
- Rajendra Gad, *"Sensor Intefacing to PC and Microcontroller Familiarization"* Bangalore (IISc), 27/4/98 to 10/6/98.
- B. R. Srinivasan, Kanpur, *Symposium on modern trends in Inorganic Chemistry*, 4-6 December 1997.
S.G. Tilve, Gulbarga, *Winter School on "Organometallic Chemistry"* sponsored by DST New Delhi, 15-20 December 1997.

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

- A.V. Salkar, B. Maurer & W. Weisweiler, *"Catalytic reduction of Nox with NH₃ on metal oxide and perovskite activated zeolite catalysis"*, **Chem. Ing. Tech.**, **70(5)**, 566-570, (1998).
- K.S. Rane, V.M.S. Verenkar, F.Y. Sawant, *"Hydrozine method of synthesis of r-Fe₂O₃ useful in ferrittes preparation Part IV - preparation and characterization of magnesium ferrite, MgFe₂O₄ from r-Fe₂O₃ obtained from hydrazinated iron Oxyhydroxides and iron (II) Carboxylatohydrazinates"* **Journal of Materials Science: Materials in Electronics**, 1998.
- V.S. Nadkarni, *"Development of cn films for nuclear track detection"*, **Radiation Measurements** **27(3) P 505-10**, 1997.
- Y. S. Prahalad, *Stationary States of Q.G. Flows*, **Proceedings of Indian Science Academy**, 1998.
- K.R. Priolkar, S.M. Pattalwar, P.K. Mishra, P.Raj, A. Sathyamoorthy, S.K. Dhar, V.C. Sahni, P.R. Sarode, R.B. Prabhu, *Structural and Magnetic Behaviour of CeSi_{0.6}Gal₄*, **Solid State Communications**, **104**, 71-73, 1997.
- K.R. Priolkar, Mala N. Rao, R.B. Prabhu, P. R. Sarode, S. K. Paranjpe, P. Rai, A. Sathyamoorthy, *Spin Dynamics of Ce_{2-x}Gax (0.7<x<1.3)* **J. Magnetism and Magnetic Materials**, **185**, 375 -378, 1998.
- K.R. Priolkar, R.B. Prabhu, P.R. Sarode, V. Ganesh, P. Raj, A. Sathyamoorthy, *Competition between RKKY and Kondo Interactions in CeSi_{2-x}Gax*, **J. Condensed Matter Physics**, **10**, 4413 - 4422, 1998.
- R.B. Prabhu, V. N. Kamat Dalal, J.B.C.Efrem Desa, S.N. Bhatia, *Resistivity and Thermopower of the Antiferromagnetic MnSe 1-xTex*, **Solid State Communications**, **104**, 565 -567, 1997.
- P.K. Chaudhury, *Optical Sensors in Environmental Monitoring*, **Current Science**, **74**, 723-725, 1998.
- S. S. Visapurkar, R. K. Kamat, S. R. Sawant, *Knowledge Based Consultant for Power Supply Design*, **Intl.J. Management and Systems**, **14**, 21-27, 1998.
- A. M. Sankpal, R. S. Patil, R. K. Kamat, S. R. Sawant, *Relaxation Time Studies on Ni_{0.7}Zn_{0.3}Al_xFe_{2-x}O₄*, **Mats. Chem. Phys.** **53**, 77-79, 1998.

3.3.7 Consultancy work undertaken.

V. V. Kamat visited Training Centre for Investment Professionals Inc. Zurich, Switzerland and offered advise in on recruiting software professionals and establishing a software development unit in Goa.

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

Kamlesh Pai Fondekar, Organic Chemistry, "*Chemical Examination of Uvaria Naruni and Transformation reactions of some carbocyclic compounds*".

Shantanu A. Gauns, Physics, *X-ray Spectroscopic Study of Tungsten Compounds*.

Kaustubh R. Priolkar, Physics, *Transport and Magnetic Properties of Cerium Based Kondo Systems*.

Sajo P. Naik, Chemistry, *Catalytic properties of ZnO & Zn) modified HZSm 5 Zeolite*.

3.3.9 Any other information:

- 1) G. Tilve was awarded SERC fellowship for 3 months (September to November 1997) at Department of Organic Chemistry, India Institute of Science, Bangalore of DST, New Delhi.
- 2) Desa visited the Department of Physics, University of Aveiro, Portugal during May 20-August 1997. He delivered a lecture there on Structure of Nuclear Waste Glasses on June 23, 1997 and prepared a series of Rare Earth Phosphate Glasses as a part of a collaborative programme.

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, Ph.D, *Professor & Head*

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

B.F. Rodrigues, Ph.D, *Reader*

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

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

S. Krishnan, Ph.D. *Lecturer (Temporary)*

C.L. Rodrigues, Ph.D, *Reader*

P.M. Reddy, Ph.D, *Reader (till August 1997)*

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

S. Upadhyay, Ph.D, *Lecturer*

S.C. Ghadi, Ph.D, *Lecturer*

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

U. Barros, Ph.D, *Lecturer*

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

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

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

Aftab Can, M.Sc, *Lecturer (on duty leave)*

Department of Marine Science and Marine Biotechnology

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

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

Department of Microbiology

S. Mavinkurve, Ph.D., *Professor & Head*
J. D'Souza, Ph.D., *Reader*
Dr. S. Dubey, Ph.D., *Reader*
S. Bhosle, Ph.D., *Reader*
I. Furtado, Ph.D., *Lecturer*
S. Nazareth, Ph.D., *Lecturer*

Department of Zoology

A.B. Shanbhag, Ph.D., *Reader & Head*
P.V. Desai, Ph.D., *Reader*
Pal, PhD, *Lecturer*
S.K. Shyama, Ph.D., *Lecturer*
R. Roy, M.Sc., *Lecturer*

3.4.2. Highlights of the research activities:

Department of Botany

The faculty members in the Department have carried out and are continuing their researchers on different areas of interest, namely (I) on bio-diversity of marine and freshwater algae, terrestrial and aquatic fungi and higher plants of Goa and neighbouring districts of Karnataka and Maharashtra with an aim to bring out a comprehensive flora of this region, (ii) on isolation, characterization and use of native mycorrhizae in re-vegetation of denuded and degraded areas of mining regions of Goa, (iii) on effect of UV radiation on light-sensitive pigments in crop plants aiming at increasing productivity and (iv) structure and chemistry of grain-filling in Rice. These researchers are funded by various national funding agencies. Some of the interesting and new findings and observations were presented in national/international conferences and published in reviewed journals.

Department of Marine Science and Marine Biotechnology

U. M. X. Sangodkar : Thrust areas developed are effluent treatment facilities based on marine microorganisms; toxins from marine organisms; new enzymes like agarases of special characteristics and of commercial importance; oil spill and Tar ball degradation as means of marine pollution control by development of massive microbial communities and biotechnology risk assessment in controlled marine condition

G. N. Nayak : Impact of mining on water bodies namely Mandovi and Zuari estuaries, Goa are studied with special reference to sediment Chemistry.

H. B. Menon : Developed Inverse Modelling to analyse the water quality through Remotely Sensed data - Radiative Transfer Model.

U. Muraleedharan : A bacterial alkaline protease with high commercial potential has been isolated from coastal waters of Goa.

S. C. Ghadi : Degradation of aromatic compounds and polysaccharides by marine bacteria is being studied.

S. Upadhyay : The geochemical behaviour of Fe and Mn in the Zuari estuary has been studied. An adsorption - desorption model has been applied to understand the geochemistry of trace metals in estuarine waters.

S. S. Kerkar : Worked with marine streptomyces cultures producing antibiotics and 6 isolates producing plant growth hormones i.e. Marine Microbes producing bioactive compounds - isolation & screening. Working also on Anaerobic systems and extremophiles like SRB's and Actinomycetes resp. from Halophilic environments.

Urmila Barros : In the process of purifying/identifying a toxin extracted from Coelenterates along rocky shores of South Goa.

Aftab Can: On duty leave to participate in the international course on Satellite Meteorology at Ahmedabad.

Department of Microbiology

The staff members in the Department are actively involved in the following research areas with funded and non funded projects.

"Studies on strains of *Sphingomonas paucimobilis*"

"Metabolism of aromatic compounds by Pseudomonas strain P2d"
 "Environmental Impact Assessment of the Shrimp Farms in Goa"
 "Study on effluent treatment of a fibre glass unit in Goa by Chromobacterium violaceum"
 "Characterization of extracellular sedimentation factor produced by Cyanobacterial consortium"
 "Studies on thermotolerance and heat shock proteins of Halobacterium strain RI"
 "Response of Halobacterium to chemical stress of metal and hydrocarbons"
 "Resistance of Halobacterium to Cadmium and Arsenic"
 "Use of Halobacterium for conversion of trash fish"
 "Pollution of coasts/coastlands by municipal waste water"
 "Studies on the Extracellular surface-active compound produced by Arthrobacter ilicis"
 "Specific characteristics of the adhered microflora from mangrove litter"
 "Isolation, purification and characterisation of enzymes degrading ferulic acid by Fusarium solani"
 "Use of Fusarium solani in metal biosorption and control of metal pollution"
 "Biological characterization of marine bioluminescent bacteria from Goan beaches"
 "Biological characterization of thermophilic, amylase producing bacteria"

Department of Zoology

The department is actively engaged in research and developmental activities. The thrust area of the research work is pertaining to Environmental Zoology which includes chemical pollution, adaptational physiology, wetland ecology and genotoxicity. Besides, the faculty members of the department are significantly contributing the informations in the area of membrane structure and function, electro-physiology, tissue culture, biodiversity of marine micro-organisms, lipid biochemistry and sericulture.

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

Prof. J. Webster, University of Exeter, U.K. (i) *Advances in Fungal Ecology over the past 50 years*
 (ii) *Aquatic Fungi*, 5.2.98.

Dr. R.K. Saxena, University of Delhi, (1) *Liposomes*, (2) *Downstream processing of industrially important enzymes*" 27.11.97.

Dr. R. L. Deopurkar, Poona University Pune, (a) *Growth curve & continuous culture*, (b) *Enzyme kinetics*, (c) *Bioenergetics*, 9-12 March 1998.

Dr. P. Tauro, University of Agril.Science, (a) *Bacterial nitrogen fixation: an overview*, (b) *Yeast and alcohol production* (c) *Enzymes in Food processing*, 18-19 March, 1998.

3.4.4 Sponsored Research Projects sanctioned in 1997-98 (Name of Investigator's, Topic, Date of Sanction, Funding Agency, Amount)

S. Krishnan, "*Ultrastructure of Transport pathways in Rice Caryopsis during grain filling*" 30.3.98, DST, Rs 3.33 lakhs.

U. M. X. Sangodkar, C.U. Rivonkar, *Monitoring and evaluation of the dispersal and persistence of Genetically Engineered DNA sequences and organisms in selected Microcosms in Natural Marine Ecosystem*, 24.12.97, DBT, New Delhi, Rs. 29.79 laths.

V. M. Matta, U.M.X. Sangodkar, G.N. Nayak, C.U. Rivonkar, *A case study on coastal zone management Biogeochemical cycling of Environmental sensitive elements in the Mandovi Zuari riverine, estuarine and shelf regions of Goa, West Coast of India*, 28.4.98, Department of Ocean development, Govt. of India, New Delhi, Rs. 18,46,670.

I. Furtado, "*Use of cyanobacteria for biosedimentation and biofloculation of mining water*" 1998-2002, DOD Delhi, Rs. 14.5 laths.

P. V. Desai, *Role of PAF in Neurodegeneration of CNS*, 6.11.97, DST (Govt. of India), Rs. 12,64,980/-

3.4.5 Seminars/Conferences/Workshops, etc.

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

International Symposium on Ecology of Fungi. 20-22 January ' 1998, IMACA, DST & DOEN, Department of Botany.

24" Annual Meeting of Mycological Society of India, 22.1.98, DST, New Delhi, Department of Botany. Conservation & plantation of trees for environmental protection, 20.3.98, DOEN, New Delhi, Department of Botany.

ISEST-GU Seminar "Industrial Effluents and Coastal Pollution" 5-7 December 1997, DOE, DOD and CSIR., Department of Microbiology.

OSTC Colloquim "Status of Research in Marine Microbiology along Indian Coastline 19-20 February 1998, DOD, Department of Microbiology

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

D.J. Bhat, Goa University, 20.1.98, *Fungal diversity on leaf litter of Ficus bengalensis Linn.*

M..K Janarthanam, Bonn, Germany, 30.5.98, *Ecology and distribution of Utricularia species in India.*

S.Krishnan, Nottingham U.K. 24-27 November 1997, *Structural and chemical changes in developing Mature rice grains.*

B. F. Rodrigues, Osmania University Hyderabad, 3-7 January 1998, *Young Scientist challenge for the next mellinium.*

B. F. Rodrigues, Goa University, 20-22 January 1998, *Diversity of VAM fungi in the soil of Pandanus tectorius and in sand dunes ecosystem.*

P. K. Sharma, Indian Science Congress, Hyderabad, 3-8 January 1998, *Changes in fluorescence quenching & xanthophyll cycle brought about my DTT feeding to wheat leaves.*

P. K. Sharma, New Delhi, 8-9 May 1998, *Relationship between xanthophylls, abscisic acid & energy dissipation in transgenic tobacco.*

P. K. Sharma, Bangalore GKVK, 13-23 March 1998, *Xanthophyll cycle & its roll in energy dissipation.*

K. Vijaya, N.I.O. Dona Paula, 1.11.97, *Algae & Fern flora of Goa.*

U. .M. X. Sangodkar, *International Seminar on European Studies, Goa, 14.3.1998, Recent Advances in Biotechnology in Europe and India.*

G. N. Nayak, *National Symposium on Coastal and Estuarine processes around India, Vishakhapatnam, 10-11 September 1997, Total suspended matter and salinity and their variations regulated by tide in Zuari eatuary, Goa.*

V. M. Matta, *National Symposium on Coastal & Estuarine Processes around India, Vishakhapatnam, 10-11 September 1997, Distribution of major elements in the seaweeds of Goa, East Coast of India.*

M. R. Girap and G. N. Nayak, *XIV Convention of Indian Association of Sedimentologists, Madras, 17-19 December 1997, Core study reveals anthropogenic influence on sedimentation process.*

R. Nigam, G. N. Nayak & S. Naik, *XVI Indian Colloquium on inicropaleontology & stratigraphy, NIO Goa, 22-24 January 1998, Forantinferral distribution in Mandovi estuary sediments with special reference to mining pollution.*

U.M.X. Sangodkar, *National Conference on Frontiers in Biotechnology, Aurangabad, 5.2.98, Biotechnology Risk Assessment Studies.*

I. Furtado, *National Seminar. Industrial Effluents and Coastal Pollution: jointly organized by Indian Society of Environmental Science and Technology (ISEST) & Goa University, N.I.O. Goa, 5-7 December 1997, (a) "Pollution of Goan Seashores by Municipal Waste Waters" (b) "Tolerance of Halobacteriunz srain RI to Heavy metals".*

I. Furtado, *National Symposium on "Microbial Technologies for Environmental Management and Resource Recovery" University of Delhi South Campus, New Delhi, 1-2 October, "Use of Cyanobacteria for Bioremediation".*

- S.W. Nazareth, *National Symposium on "Microbial Technologies for Environmental Management and Resource Recovery"* University of Delhi South Campus, New Delhi, 1-2 October, "Biosedimentation of mine tailings".
- S.W. Nazareth, *National Seminar on "Industrial Effluents and Coastal Pollution"* Goa University and Indian Society of Environmental Science and Technology (ISEST) at N.I.O. Goa, December 5-7, "Treatment of fungal biomass for lead sorption".
- S.W. Nazareth, *International symposium on Ecology of Fungi, International Mycological Association Committee for Asia*, International Centre, Goa, January 20-22 1997, "Antimicrobial activity of pigment from *Fusarium solani*"
- A.B. Shanbhag, Ahmednagar, 13-16 January 1998, "Pre-konkan railway project implementation status of avifauna of Carambolim lake at Goa, India".
- I. K. Pai, Chennai, 23-26 March 1998, "Population studies in zooplankton in Andaman Sea".
- I. K. Pai, Goa, 27.2.98, "Women empowerment: need of the hour of Indian sericulture Industry".

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

- B.F. Rodrigues, *Intern'l Conference on Partheniunz Management*, UAS Dharwad, 1-4 December 1997.
- B.F. Rodrigues, *Industrial Effluents & Coastal Pollution*, **NIO Dona Paula**, 5-7 December 1997.
- B.F. Rodrigues, *Recent Advances in Cytogenetics & Tissue Culture*, UAS Dharwad, 27.1.1998.
- B.F. Rodrigues, *Education: 2000 and Beyond*, VVM Margao, 17-18 January, 1998..
- G.N. Nayak, *ORV Sagar Kanya Inter Agency Workshop*, NIO Goa, 17-18 June 1997.
- G.N. Nayak, *Mining and Environment Mining Engineers Association*, Ponda Goa, 19.10.97.
- G.N. Nayak, *Bay of Bengal process studies JGOFS India*, International Centre Goa, 20-21 November 1997.
- G.N. Nayak, *Education - 2000 and beyond*, Vidya Vikas Mandal, Margao Goa, 17-18 January, 1998.
- G.N. Nayak *Ocean Science and Technology Cell - Marine Geology and Geophysics*, Mangalore University, 30-31 January 1998.
- G.N. Nayak, *Management of Coastal Zone in India*, International Centre, Goa, 28.3.1998.
- H.B. Menori, *JGOFS Bay of Bengal Process Studies*, International Centre Goa, 20-21 November 1997.
- H.B. Menon, *Quantitative Analysis of water casti through IRS-P3-MosB data Inverse Modelling*, SAC Ahmedabad, 20.8.1997.
- H.B. Menon**, *Goa University Radiative Transfer Model*, SAC Ahmedabad, 4-5 September, 1997
- U.D. Muraleedharan, *JGOFS Bay of Bengal Process Studies*, International Centre Goa, 20-21 November 1997.
- S.C. Ghadi, Brainstorming session on Exploitation of Extremophilic microorganisms, *Application of agarolytic bacteria in Biotechnology*, **TERI New Delhi, January 1998.**
- U. Barros**, Co-author in "Screening for bio-active metabolites from marine bacteria", Goa, 19-20 February, 1998.
- A. B. Shanbhag, *Sustainable Freshwater Aquaculture*, C.I.F.A. Bhubaneswar, June 1997.
- A.B. Shanbhag, *Vertebrate Reproduction*, Dharwad, January 1998.
- R. Roy, *Aquaculture Nutrition*, Bhubaneswar (Orissa), December 1997.
- R. Roy, *Marine Microbiology*, Goa, June 1998.

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

- S.R. Yadav, K.S. Paul and M.K. Janarthanam, *A new species of Arisaenza (Araceae) from western ghats of southern india, Aroideana*, **20: 53-56, 1997.**
- V.C. Joshi, S. Rajkumar, and M. K. Janarthanam**, *Addition to the Dicotyledonous flora of Goa*, **J. Econ.Tax. Bot. 21(2): 495-500, 1997.**
- Azhakanandam, K. Krishnan, S and P. Dayanandan, *Brassin and benzylaminopurine promote yield in Indian fee*, **J. Experimental Botany, 49: 69-79, 1998.**
- P.K. Sharma, P. Anand, S Sankhalkar, and R. Shetye, *Photochemical and bio-chemical changes in Wheat seedlings-exposed to supplementary UV-B radiation*, **Plant Sci. 132: 21-30, 1998.**

- M.Girap & G. N. Nayak, *Sedimentology & Geochemistry of a core from Mayen' lake:An attempt to understand the impact of mining*, **Jour.Ind.Assoc. Sedimentologists**, Vol.10 (2): pp.159-170, July-December 1997.
- C.U. Rivonkar, S. K. Thakur, U. M. X. Sangodkar, *Food utilization & growth & LDH activity of the prawn *M. dobsoni* fed with commercial diet*, **Indian Jour. Of Mar.Sci.** Vol.27: pp 356-360, 1997.
- G. N. Nayak, *Grain size parameters and heavy minerals of Tilmathi beach sediments, central West Coast of India*, **Bulletin of Pure & Applied Sciences**, Vol.16F (1-2), pp.33-34, 1997.
- 1-IB. Menon, *Role of Ocean fronts in promoting Productivity in the Southern Ocean*, **Chapter VIII, In Large Marine Ecosystems of the Indian Ocean : (Assessment, Sustainability and Management)** December 1997.
- C. U. Rivonkar, *Major elements and trace metals in cultured mussels and sea water in the Dona Paula, Goa*, **Indian J. of Marine Science** Vol. 27: pp.411-415, 1998.
- Vinit Bandiwdekar, and Desai., *Runoff water quality front iron ore rejects*, **Jr. Ind. Poll. Control**, 14 (1), 1998.
- V.S. Bandiwdekar and P. V. Desai, *The pattern of heavy metal retentions in the kidney and urinary metal elimination in *Inallard* (*Anas platyrhynchos domesticus*) exposed to iron ore runoffs*, **Poll. Res.**, 17(2), 1998.
- I.K.Pai, *Toxicity of Indole acetic acid in two races of mulberry silkworm *Bombyx ntori** , **Poll. Res.**, 16(4), 1997.
- I.K. Pai, *Gibberellic acid induced yield improvement in mulberry improvement in mulberry silkworm *Bombyx mori**, **Trends in Life Sci.**, 12(2), 1997.,
- S.K. Shyama, *Bird pest of cashew (*Avacardium occidentale*) in Goa*, **Pavo**, 35 (1 & 2), 1997. S.K. Shyama, *Studies in the avian pests of rice (*Oryza sativa*) in Goa*, **Pavo**, 35 (1 & 2) 1997. R. Roy & A. B. Das, *Seasonal dynamics of tissue levels of total protein, free amino acid and ribonucleic acid in an Indian air breathing teleost, *Channa punctatus**, **Acta Biologica Hungarica**, 48 (2), 1997.
- R. Roy and T. Farkas, *Rapid temperature induced changes in physico chemical properties of fish, • *Cyprinus carpio* erythrocyte subcellular membranes*, **Proc. Ind. Natl. Acad. Sci.**, 63B (4), 1997.

3.4.7 Consultancy work undertaken:

- G. N. Nayak (Team Leader), C.U. Rivonkar, V. M. Matta, Environmental Impact Assessment (EIA) Studies for the construction of Ore Loading Jetty near Curchorem, Goa. TERRA FIRMA Environmental Consultants, Rs. 5,27,000/- August-October 1997.
- U.M.X. Sangodkar, Consultancy work (ongoing) with M/s. Siddharth Chemicals, Kundaim, Goa.

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

- Jason D. David**, Marine Sciences, "*Studies on the application of natural microorganisms for oil spill degradation and pollution control*".
- Rahul Sharma**, Marine Sciences, "*Environment of occurrence of manganese nodules in the Central Indian Basin : A study front Seabed Photographic Data*".
- Prabha Devi Sankaran**, Marine Sciences, "*Biochemical and Molecular characterization of the marine microfouling material developed on various surfaces*".
- Mohan R. Girap**, Marine Sciences, "*Geomorphology, sedimentology and Geochemistry of Mayent lake, Bicholim Taluka, Goa, India*".
- Shailaja Raj**, Microbiology, "*Transport of a-santonin in *Sphingomonas paucimobilis* strain S ATCC 43388*".

3.4.9 Any other information:

- 1) The Department of Botany has commenced a self-financed and need-based manpower development programme of one year duration entitled "PG Diploma in Plant Sciences" from 1997-98. Annual intake of student number is 10.
- 2) Aftab Can: Selected for the International Course on satellite meteorology at SAC, Ahmedabad (March'97 to December'98).
- 3) Dubey : Attended a training programme in "Cancer Molecular Biology" from December 5, 1997 to January 4, 1998 at University of Nevada Las Vegas, U.S.A.
- 4) Pai received Rotary Internationals GSE team membership to visit Norway for 2 months and delivered special lecture at Oslo University and at Norwegian Technical and Science University, Norway.

3.5 Faculty of Management Studies and Faculty of Commerce

3.5.0 General Information regarding faculty: (Departments and Degrees)

Department of Management Studies: (M.M.S, Ph.D.)

Department of Commerce: (M. Com., M. Phil., Ph.D.)

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

Department of Management Studies

A. Sreekumar, Fellow of JIM, *Professor & Head*

A.G. Balasubramanian, Fellow of JIM, *Reader*

Nandkumar Mekoth, Ph.D., *Reader*

Satishkumar, Ph.D, *Lecturer*

M.S. Dayanand, MBA, *Lecturer*

Kshama Fernandes, MMS, *Lecturer*

Department of Commerce

B. Ramesh,-Ph.D, *Reader & Head*

K.B. Subhash, *M.Com., Lecturer*

Guntur Anjana Devi Raju, M.Phil., *Lecturer*

3.5.2. Highlights of the research activities

Department of Commerce

K. B. Subhash : Completed the research project which has significance on venture capital and entrepreneurial development in South India.

Guntur Anjana Devi Raju : At present doing research on "Mutual Fund Prices and NAV: An Empirical Analysis of Discounts in the Indian Context".

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

A.G. Balasubramanian, *Case Development: Business Area* , 20th March, 1998, *UGC Unassigned Grant*, Rs. 15,000/-

M.S. Dayanand, *Case Study Development in Tourism Industry*, 30th March, 1998, *UGC Unassigned Grants*, Rs. 12,000/-

Satishkumar, *Relationship between Organisational Role Stress and Role Effectiveness*, 23rd February, 1998, *UGC Unassigned Grants*, Rs. 14,500/-

3.5.5 Seminars/Conferences/Workshops, etc.:

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

Third Small Industries Management Assistants Programme - Modular Training Programme for unemployeed Graduates and Industries sponsored candidates (14 weeks), February - May 1998, SIDBI, Commerce.

Derivatives in India, 15th Dec., 1997, Goa University, Management Studies

Advertising Challenges, 17th to 19th December, 1997, Goa University, Management Studies.

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

B. Ramesh & Uma Shashikant, Sydney Australia, **December 1997, *Intertemporal Stability of emerging Markets Correlations.*

B. Ramesh, Goa University, **November 1997, *Tourism in Goa: A SWOT ANALYSIS.*

B. Ramesh, Bangalore, **January 1998, *Emergence of Warrants in India : A case Analysis of Warrants Package Issue of Lloyds Finance Limited.*

Anjana Raju (Joint), Bangalore, **January 1998, *In search of the Empirical evidence on closed - End Mutual Funds and Discounts: An International Perspective.*

Nandakumar Mekoth, Seminar, Belgaum, ***1997-98, *Market Oriented Business Education*

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

Nandakumar Mekoth, *Complexities of Marketing in India*, Mumbai, 19th-20th Sept.,1997

Nandakumar Mekoth, *Reinventing Management Approaches for the 21st Century*, Calicut, 29th-30th April, 1998

Kshama Fernandes, *FINGROWTH: Growth in the Financial Services Industry*, Mumbai, 11th Sept., 1998

Kshama Fernandes, *Fund Management in India*, Mumbai, 16th-17th April, 1998

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

B. Ramesh & Uma Shashikant, *Benefits from Diversification into Emerging Markets:Theories & Evidence*, **Journal of Foreign Exchange and International Finance, XI, NO, 1**, 1997.

B.Ramesh & M.R. Patil, *An Evaluation of Urban Co-operative Bank in India*, **Yojana**, May 1998.

Nandakumar Mekoth, *Consumer Behaviour in Ancillary Durable Product Market: An Empirical Approach*, **The Indian Journal of Commerce, 2 No. 192 Part III**, Sept., 1997

Satishkumar, *Relationship between Organisational Role Stress and Length of Service*, **The Indian Journal of Commerce, 2 No. 192 Part III**, Sept., 1997

3.5.7 Consultancy work undertaken:

Nandakumar Mekoth and A. Sreekumar took up a consulting assignment on 'Profile of Readers and Opinions of Manpasand' for Gomantak Private Ltd. in March 1998

3.5.9 Any other information:

(1) B. Ramesh has received the best paper award for his paper on 'Emergence of Warrants in India: A case Analysis of warrants Package Issue of Lloyds Finance Ltd' presented at 21' All India Conference of Indian Accounting Association, held at Bangalore University in January, 1998.

(2) B. Ramesh has been nominated by UGC as member of the expert Group in January, 1998 to visit Gulbarga University, MangaloreUniversity and Kuvempu University, for fixing the grants under College Development Council Scheme in the IXth Plan.

- (3) MMS Part I students won the First Place in Marketing Management Game in "Chaos 98" held at JIM, Ahmedabad in January 1998.
- (4) Mr. Sachin Mathew of MMS Part I won First Place for "Young Manager Award 98" as part of "Summit 98" held at TA Pai Institute of Management at Manipal in February 1998. The MMS Part I team also won the second place in the Advertisement Games in "Summit 98"

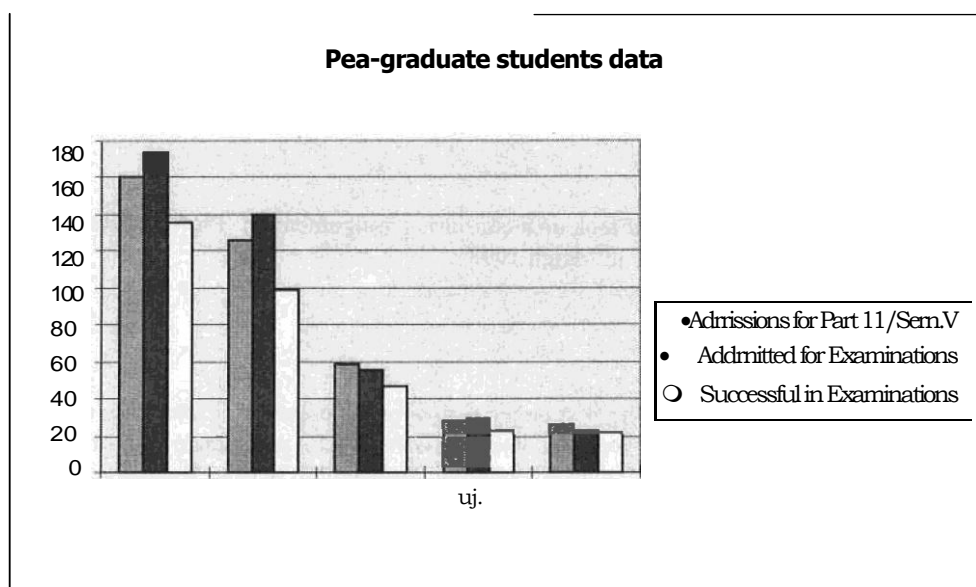
Students enrolment:

Faculty	M.A./M.Sc./ <u>M.Com.</u> / M.C.A./M.M.S.			M.Phil		Ph.D.	Total	
	Pt. I/Sem. I	Pt. II/Sem.III	Sem. V	Pt. I	Pt. II			
Languages	110	93		00 11 11	3	26		
Social Sciences	82	67					20	
Natural Sciences (M.Sc.)	87	77				1	12	
Natural Sciences (M.C.A.)	30	30	26	71 14		16		
Life Sciencs	58	49					1	
Commerce	95	59				6	3	
Management	30	28						
Total	492	403	26	25	10	76	103	

Results:

	M.A.	M.Sc.	<u>M.Com.</u>	M.M.S.	M.C.A..
Admissions for Part II/Sem.V	160	126	59	28	26
Addmitted for Examinations*	173	140	55	29	23
Successful in Examinations	136	99	47	23	22

* Repeater/failed students from previous year/semester appear for examinations.



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.
- 03, 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 Sanlcriti Probodhini's Gomantak Ayurveda Mahavidyalaya and Research Centre, Shiroda, Goa.
35. Goa Medical College, Bambolim, Goa

4.1 Dhempe College of Arts & Science, Panaji.

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

- G.N. Mishra, Ph.D., *Principal, Reader*,
Philosophy & Psychology
- A.F. Barbosa, Ph.D., *Vice-Principal, Reader*,
Physics
- A.V. Sakhardande, M.A., *Lecturer*, English
- P.K. Khaunte, M.A., *Lecturer*, English
- Ramola Antao, M.A., *Lecturer*, English
- Margaret Lopes, M.A., *Lecturer*, English
- Rabin B. Pinto, M.A., *Lecturer*, English
- Maria Isabel Vaz, M.A., *Lecturer*, English
- S.S. Walimbe, M.A., *Lecturer*, English
- Edwin Cortez, M.A., *Lecturer*, Economics &
Political Science
- Shilpa Samant, M.A., *Lecturer*, Economics &
Political Science
- K.S. Govekar, M.A., *Lecturer*, Economics &
Political Science
- Anita A. Rant Desai, M.A., *Lecturer*,
Economics & Political Science
- Vrishali U. Prabhugaonkar, M.A., *Lecturer*,
History
- Prajali Sakharandande, M.A., *Lecturer*, History
- Ave Cleto Afonso, M.A., *Lecturer*, Philosophy
& Psychology
- Zinia Siqueira Lobo Silva, Ph.D., *Lecturer*,
Philosophy & Psychology
- Wendy Ann Manuel, M.A., *Lecturer*,
Philosophy & Psychology
- Mukta Karamadi, M.A., *Lecturer*, Philosophy
& Psychology
- S.S. Nadkarni, M.A., *Lecturer*, Marathi
- Ravindra D. Ghavi, M.A., *Lecturer*, Marathi
- H.V. Upadhye, M.A., *Lecturer*, Hindi
- Anju P. Khaunte, M.A., *Lecturer*, Konkani
- K.G. Kamat, Ph.D., *Reader*, Chemistry
- R.A.S: Dhume, Ph.D., *Reader*, Chemistry
- V.S. Dinge, M.Sc., *Lecturer*, Chemistry
- N.R. Naik, Ph.D., *Reader*, Chemistry
- Vrinda P.S. Borkar, Ph.D., *Reader*, Chemistry
- Leena S. Talwadkar, Ph.D., *Lecturer*, Chemistry
- S.U. Kamat, M.Sc., *Lecturer*, Mathematics
- G.V. Kulkarni, M.Sc., *Lecturer*, Mathematics
- Maria S. Miranda, M.Sc., *Lecturer*,
Mathematics.
- Annie Rajan, M.C.A. (Computer), *Lecturer*,
Computer Awareness
- S.K. Haldankar, M.Sc., *Lecturer*, Chemistry
- Uday S. Naik, Ph.D., *Sr.Lecturer*, Chemistry
- Vishwas S. Prabhudesai, M.Sc., *Lecturer*,
Chemistry
- Soniya Rao, M.Sc., *Lecturer*, Chemistry
- Varsha Sardesai, M.Sc., *Lecturer*, Chemistry
- G.V. Kelkar, M.Sc., *Lecturer*, Physics
- Sharmila P. Kamat, M.Sc., *Lecturer*, Physics
- Sandeep S. Burye, M.Sc., *Lecturer*, Physics
- Murthy P.S. Ramu, M.Sc., *Lecturer*, Physics
- Swati R. Pawar, M.Sc., *Lecturer*, Physics
- P.G. Kelkar, Ph.D., *Reader*, Botany
- Hukkeri, M.Sc., *Lecturer*, Botany
- K.G. Hiremath, Ph.D., *Reader*, Botany
- P.N. Pangu, Ph.D., *Reader*, Botany
- Mangala Prabhu Dessai, M.Sc., *Lecturer*,
Botany
- Manjiri Kelkar, M.Sc., *Lecturer*, Botany
- Y. Modassir, Ph.D., *Reader*, Zoology
- S.J. Godse, M.Sc., *Lecturer*, Zoology
- S.R. Ganihar, Ph.D., *Reader*, Zoology
- Sucheta G. Halkar, M.Sc., *Lecturer*, Zoology
- Suchana Amonkar, M.Sc., *Lecturer*, Zoology
- Shital Gaitonde, M.Sc., *Lecturer*, Zoology
- 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*,
Geology
- Chandrakant Porob, M.A., *Director of Physical
Education*

4.1.5 Seminars/Conferences/Workshops, etc.

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

Leadership Training Camp, 18-19 October 1997, *Dempo Charities Trust*, Dhempe College of Arts & Science, Miramar Goa.

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))

Tariq, **rd Place**, 100 mtrs. Back stroke in Swimming Competition.

College Team, **Winner**, Badminton title (Women)

4.1.10 Any other information:

1. Deepa Marathe participated in the XXII National Women Sports Festival representing Goa State in Athletics held at Ludhiana (Punjab).
2. Ritesh Messais participated in the Inter-University Basketball tournament representing Goa University in Basketball held at Ajmer.
3. N.C.C. Girls Wing: NCC activities for Girls Wing started in July 1997 with enrolment of 45 cadets. Of these 30 cadets are enrolled for the Army Wing and 15 cadets are enrolled for the Naval Wing. During the course of their training the girl cadets received instructions in foot drill, signals, first aid, home nursing and weapon training. On the Occasion of Independence Day cadets took the N.C.C. oath. Four Navy Girls cadets attended CATC Camp at INS Mandovi from 1st December 1997 to 12 December 1997. Our cadet Tabitha Esteinero got 3rd prize for rigging. Our Cadets also participated in parades which were held on 19th December and 26th January on Campal Grounds.

4.2 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., <i>Principal</i> , Economics	Suchitra Bhat, M.C.A., <i>Lecturer</i> , Computer Science
S. K. Naik, M.Sc., <i>Vice-Principal</i> , Chemistry	Shaila R. Ghanti, M.Phil., <i>Lecturer</i> , Computer Science
V. Narayan, M.Sc, <i>Lecturer</i> , Physics	S.R. Ingle, M.Phil., <i>Lecturer</i> , Geography
V. D. Date, M.Sc., <i>Demonstrator</i> , Physics	S.M. Ambli, Ph.D., <i>Lecturer</i> , Geography
Ananya Das, Ph.D., <i>Lecturer</i> , Physics	N.N. Sawant, M.A., <i>Lecturer</i> , Geography
Vijay Richard D'Costa, M.Sc., <i>Lecturer</i> , Physics	K. Sreedharan, M.Sc., <i>Lecturer</i> , Mathematics
N.V. Kamat, M.Sc., <i>Lecturer</i> , Physics	V.S. Amonkar, M.Sc., <i>Lecturer</i> , Mathematics
S. N. Pai Raiturkar, M.Sc., <i>Lecturer</i> , Physics	Rakhi D. Karapurkar, M.Sc., <i>Lecturer</i> , Mathematics
S. M. Sadique, M.Sc., <i>Lecturer</i> , Physics	Menezes Gama Rhona Maria, M.C.A., <i>Lecturer</i> , Computer Science
Malati Tirvir, M.Sc., <i>Lecturer</i> , Physics	Kumaresh V.C., M.Sc., <i>Lecturer</i> , Computer Science
S. A. Antao, Ph.D., <i>Lecturer</i> , Physics	D. Prabakaran, M.C.A., <i>Lecturer</i> , Computer Science
S. J. Borkar, M. Sc., <i>Lecturer</i> , Physics	Sulaxana G. Raicar, M.Sc., <i>Lecturer</i> , Computer Science
Maria J.DeSouza, M.Sc., <i>Lecturer</i> , Physics	P. Ferdinand, LLB., <i>Lecturer</i> , English
S. P. S. Kakodkar, M. Sc., <i>Lecturer</i> , Physics	Rajashree R. Desai, M. A., <i>Lecturer</i> , English
Ganpat K. Naik, Ph.D., <i>Lecturer</i> , Physics	Celeste Fernandes, M. A., <i>Lecturer</i> , English
S. K. Naik, M. Sc., <i>Lecturer</i> , Physics	D. Majumdar, M.A., <i>Lecturer</i> , Economics
R. S. Padiyar, M.Sc., <i>Lecturer</i> , Physics	E.M. Travassos, Ph.D., <i>Lecturer</i> , Economics
N.G. Rivonkar, M. Sc., <i>Lecturer</i> , Physics	S.P. Verenkar, M.A., <i>Lecturer</i> , Economics
B.V. Shirwaikar, M.Sc., <i>Lecturer</i> , Physics	Alzira Vaz, M.A., <i>Lecturer</i> , Political Science
Rajesh M.Pednekar, M.Sc., <i>Lecturer</i> , Physics	Aparaja Chatterjee, M.A., <i>Lecturer</i> , Sociology
E. M. Raykar, M.Sc., <i>Lecturer</i> , Chemistry	
S. A. Antao, Ph.D., <i>Lecturer</i> , Chemistry	
S. J. Borkar, M.Sc., <i>Lecturer</i> , Chemistry	
Maria J. Desouza, M.Sc., <i>Lecturer</i> , Chemistry	
S. P. S. Kakodkar, M.Sc., <i>Lecturer</i> , Chemistry	
Ganpat K. Naik, Ph.D., <i>Lecturer</i> , Chemistry	
R. S. Padiyar, M.Sc., <i>Lecturer</i> , Chemistry	
N.G. Rivonkar, M.Sc., <i>Lecturer</i> , Chemistry	
B.V. Shirwaikar, M.Sc., <i>Lecturer</i> , Chemistry	
Judith Dias Barreto, M.C.A., <i>Lecturer</i> , Computer Science	

N. B. Shirwaikar, M.Sc., Lecturer, Botany
R.V. Gaonkar, Ph.D., Reader, Botany
Uma J. Patil, 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., Lecturer, Zoology
M.S. Katti, M.Phil., Lecturer, Geology
M. Kunhanandan, M.Sc., Lecturer, Mathematics
Animesh Adhikari, M.Tech., Lecturer, Computer Science
Alberto Ian Aquino Barreto, M.C.A., Lecturer, Computer Science

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
H.S.S.S. Nadkarni, M.Sc., Lecturer, Geology
Anthony A. Viegas, M.Sc., Lecturer, Geology
A.P. Masur, M.Sc., M.S., Lecturer, Mathematics
Sushant S. Prabhu Sawkar, M.C.A., Lecturer, Computer Science
D. Bagchi, M.Phil, Director, Physical Education

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

Dr. P. Usgaonkar, Dr. Sirsat, Dr. Bhikaji Ghanekar, Directorate of Health Service Goa, AIDS Awareness Programme, 20.12.1997.
Prof. K. Harris, University of Baltimore, U.S.A., Crimes in U.S.A. and India, 6.2.1998.
Prof. A. C. Vanaik, Jamia Milia University, Conimunalisation of Indian Politics, 11.2.98.
Dr. Sacchidanand Mohanty, University of Hyderabad, Cultural Diversity Opportunities and Challenges, 19.2.1998.

4.2.5 Seminars/Conferences/Workshops, etc.

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

Learning to Lead, 18-19 August 1997, Ford Foundation, College.

Get in Touch, 23-24 August, 1997, Literary Association of SPCC, College.

Short Story Writing workshop held in collaboration with "Sahily Sangati", 30.11.97, S.P.C.C., Konkani.

Project Papers, 23.2.98, S.P.C. C., College.

In Future with Chowgules, 7-8 March 1998, Ford Foundation, College.

Curriculum Development, 9-10 March 1998, Ford Foundation, College.

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

E. M. Travassos, *Restructuring the Indian Economy: Issues and Consequences*, Dept. of Economics Goa University Panaji, 22-23 January 1998, *Reforming Privatisation: A critique of Infrastructural Investment Reforms*.

Celeste Fernandes, *Women and Development: India and Canada*, Goa University, 27.2.98, *Alice Munro 's "Dance of the Happy Shades"*.

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

- A. V. Veeresh, *Seminar on "Recent Advances in Cytogenetic & Tissue Culture"* Department of Botany, Karnatak University, Dharwad, 27.1.98.
- S. S. Naik and R. V. Patil, *Seminar on: Bio-ethics - Indian Perspective*, Goa University, December 1997.
- S. P. Verenkar, *Attended national conference on the scheme for Technology Development of Indian Languages*, Dept. of Electronics Govt. of India, Imphal.

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

- Prabhat Kumar Sharma, Preetha Anand, Sangeeta Sankhwalkar, Rajendra Shetye, *Photochemical and Biochemical changes in wheat seedlings exposed to supplementary Ultraviolet B Radiation*, **Plant Science**, 132 (1998) Page Nos. 21-30, 1998.
- G. K. Naik, *Synthesis Characterization, Special and Thermal Properties of metal hydrazinium nitrotriacetates*, **Journal of Thermal Analysis**.
- S. P. Verenkar A. V. Veeresh and S. G. Tome, *Response of some Tree Species to Iron Ore Mine Projects: A case study, An anthology of Konkani Essays*, Sahitya Academy, New Delhi, 1997, 241-250, **Environmental Impact Assessment and Management**, Daya Publishing House, New Delhi, 1998.

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

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

- Karmali Priya Prakash, **1st Rank**, B.Sc.
- Kudchadkar Arti Virendra, **3rd Rank**, B.Sc.

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

- Sachin Bhinde, **2nd Place**, Cycling Championship
- Bernard Corneiro, **3rd Place**, Cycling Championship
- College Team (Men and Women) **Runners-Up**, Basketball
- Yshana Pereira, **Gold Medal**, Judo
- Dexter Pereira, **Winer**, High Jump
- Dexter Pereira, **Silver Medal**, Long Jump
- Shawn Gomes, **Bronza Medals**, Long Jump
- Cypriano D'Souza, **Bronza Medals**, Pole Vault
- Chetan Kumar Palekar, **Silver Medal**, Power Lifting.

4.2.10 **Any other information:**

1. Principal V. R. Shirgurkar has been nominated on the General Council of the National Assessment and Accreditation Council, Bangalore, a national level body entrusted with the work of doing assesment of Colleges and Universities from the country.
2. Principal V. R. Shirgurkar has also been elected as the first President of the Association Indian College Principals for five years.
3. Second Lieutenant Gunaji D esai, Dept. of Konkani, completed the Pre-Commission Training at N.C.C. Officers Training School, Kamptee, Nagpur, from 21st July to 18th October 1997. He was appointed as Trek Adjutant for the All India Trekking Expedition "Ocean to Sky" Goa'97 at Margao.
4. The teachers an() students from the Science Stream had organised a "Science Exhibition-97" on the College campus, from 19th to 21st December 1997.
5. Students' Council conducted an inter-collegiate youth festival PANORAMA'98.

4.3 St. Xavier's College, Mapusa.

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

- Antimo Gomes, M.A., *Principal*, Philosophy
Walter De Sa, M.A., *Vice Principal*, Sociology
A. Cynarra Viera, M.A., *Lecturer*, Philosophy
C.R. Bhonsle, M.Sc., *Lecturer*, Physics
B.S. Keshavan, B.Sc., *Demonstrator*, Physics
Rajendra Kanekar, M.Phil., *Lecturer*, Physics
Benedict Soares, M.Sc., *Lecturer*, Physics
Dominick N. Lobo, M.Phil., *Lecturer*, Physics
Pradeep Morajkar, M.Sc., *Lecturer*, Physics
Andrew Dias, M.Sc., *Lecturer*, Physics
Manoj Salgaonkar, M.Sc., *Lecturer*, Physics
Lawrence M. Bosco J, M.Sc., *Lecturer*, Physics
Daryl Gonsalves, M.Sc., *Lecturer*, Electronics
Vilma M. Fernandes, M.Sc., *Lecturer*, Electro.
Sindhu R. Pillai, M.Sc., *Lecturer*, Electronics
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 Pinto, M.Sc., *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 Barreto, M.Sc., *Lecturer*,
Microbiology
Judith D'Souza, M.Sc., *Lecturer*, Microbiology
Sheila M.D'Silva, M.Sc., *Lecturer*, Microbiology
M. Elaine Rodrigues, M.Sc., *Lecturer*,
Biochemistry
Balakrishnan C. Nair, M.Sc., *Lecturer*, Maths.
Thereza Mascarenhas, M.C.A., *Lecturer*,
Computer Science
Edwin A.J. D'Souza, M.C.A., *Lecturer*,
Computer Science
Sherly Abey, M.C.A., *Lecturer*, Computer
Science
Sameena Fernandes, M.Sc., *Lecturer*, Computer
Science
Sandra Joan D'Cruz Vaz, M.C.A. *Lecturer*,
Computer Science
Sushmi Majumdar, M.C.A., *Lecturer*, Computer
Science
Ubalдина Noronha, M.A., *Lecturer*, Psychology
Annie Fernandes, M.A., *Lecturer*, Sociology
- Sirdha Chari, Ph.D., *Reader*, Philosophy
Blanche Mascarenhas, MA, *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
Sabina Sales, M.Sc., *Lecturer*, Botany
Maria B.de Souza, M.Sc., *Lecturer*, Botany
Conceicao de Souza, M.Sc., *Lecturer*, Botany
A.S. Mudbidri, M.Sc., *Lecturer*, Mathematics
Zita Do Carmo Souza, M.Sc., *Lecturer*, Maths.
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
Cajetan Raposo, M.A., *Lecturer*, Political
Science
Magdalene D'Souza, M.Phil., *Lecturer*, Hindi
Rarnita Gurav, 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
Edna Fonseca, M.Com., *Lecturer*,
Commerce/Accounts
Dominic D'Souza, M.Com., *Lecturer*,
Commerce/Accounts
Oscar B. D'Mello, M.Com., *Lecturer*,
Commerce/Accounts
Carmelita D'Mello, M.M.S.Lecturer,
Commerce/Management
D.M. Jakatti, M.A., *Lecturer*, Geography
Savio Earnest D'Souza, L.L.B., *Lecturer*,
Business Law
Simao Diniz, M.A., *Lecturer*, Psychology

Jacqueline Monteiro, M.A., *Lecturer*,
Economics
Ruth D'Souza, M.A., *Lecturer*, Psychology
Anuradha Kakodkar, M.A., *Lecturer*,
Psychology

Daniel D'Souza, M.A., *Lecturer*, History
Pamela Fernandes, M.A., *Lecturer*, History
Milton Fernandes, M.P.Ed., *Director*, Physical
Education

4.3.2 Highlights of the research activities:

The Microbiology Department has undertaken research project work, on the effect of pre-monsoon, monsoon and post-monsoon seasons on the bacteriological analysis for the determination of potability of well waters of Bardez Taluka (Calangute, Candolim, Anjuna, Siolim, Saligao and Parra). The project is carried out in collaboration with Goa Foundation and its findings are supplied to Goa Pollution Control Board.

4.3.5 Seminars/Conferences/Workshops, etc.

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

Holistic Health through Education, 10-12 March 1998, College.

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

Sajo Naik, Mangalore, 28-31 December 1997, (i) *Synthesis of ethylamines on γ -Al₂O₃ catalyst.*
(ii) *Synthesis and Catalytic activity of highly active NiO catalyst* (iii) *Synthesis and Catalytic activity of Nickel oxide/alumina catalyst in ethanol ammonolysis reaction.*

Sajo Naik, *Workshop on Catalysis*, Thiruanantapuram 14-16 December 1997, *Synthesis of Propylamines from t-butanol on HZSM-5 zeolite.*

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

Sajo Naik, *Synthesis and Catalytic activity of ZnO Catalyst*, **Stud. Surf. Sc. Catal.**, **113**, 507-512, (Elesivier), 1998.

Sajo Naik, *Catalytic activity of Cu-Y Catalyst*, **Stud. Surf. Sc. Catal.**, **113**, 729-326, (Elesivier), 1998.

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

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

Barretto Lies] Ana Paula, **2nd Rank**, TYBA

Gama Pedro Camilo, **3rd Rank**, TYBA

D'Cunha Warner Anthony, **2nd Rank**, TYBSc.

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

College Team (Girls), **Runners Up**, Football

College Team (Girls), **Runners Up**, Table Tennis

4.3.10 Any other information:

1. Daniel D'Souza, Head of the Department of History, was given the Teachers Award by the Goa Government during the academic year 1997-98.
2. Sajo Naik was awarded Ph. D in Chemistry for his thesis on *Catalytic properties of ZnO & ZnO modified HZSM-5 Zeolites.*
3. Nisha Madgavkar broke the inter-University swimming record in 100 meters backstroke, clocking 1:15:55 minutes.

4.4 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., *Lecturer*, Economics
A.M. Rangnekar, M.Sc., *Lecturer*, Geography
S.J. Pai, LL.B., *Lecturer*, Commerce
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. J. Pinto, M.Phil., *Lecturer*, English
Prisca Braganza, M.Phil., *Lecturer*, Commerce
Pravin P. Naik Gaonkar, [M.Com.](#), *Lecturer*,
Commerce
D.D. Rodrigues, [M.Com.](#), *Lecturer*, Commerce
K.M. Apte, B.Lib.Sc., *Librarian*, Library
G.I. Jamadar, M.A.B.P.Ed., *Instructor*, Physical
Education Department. Josephine Menezes,
[M.Com.](#), *Lecturer*, Commerce

Aruna Mesquita, [M.Com.](#), *Lecturer*, Commerce
S. Mandrekar, [M.Com.](#), *Lecturer*, Commerce
K.N. Joshi, M.Sc., *Lecturer*; Mathematics
S.Jadhav, M.C.M., *Lecturer*, Computer
D.George, M.C.M., *Lecturer*, Computer
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. D'Lima, [M.Com.](#), *Lecturer*, Accountancy
A.K.P. Moye, LLB, *Lecturer*, Business Law
A. Thally, LL.M., *Lecturer*, Business Law

4.5 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*,
Chemistry
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., *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
Sulabha Phatak, Ph.D., *Lecturer*, Botany
Meena Miranda, M.Sc., *Lecturer*, Botany
Anapaula D'Costa, M.Sc., *Lecturer*, Botany
Lalita N. Patil, M.Sc., *Lecturer*, Maths
Emma Maria A.C., M.A., *Lecturer*, History
Leila Ribeiro, M.A., *Lecturer*, History
Joselyn Henriques, M.A., *Lecturer*, History
Radhika S. Nayak, M.A., *Lecturer*, Economics

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, M. Phil., *Lecturer*, Physics
Pearl D'Souza, M.Sc., *Lecturer*, Physics.
Gladys Mony, M.Sc., *Lecturer*, Maths
Nora Govil, M.A., *Lecturer*, Psychology
Christabel Faria, M.A., *Lecturer*; Psychology
Aldina Braganza, 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*, Corn.
Sumathi Balakrishna, M.Phil., *Lecturer*, Corn.
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

Dina D'Silva, M.A., *Lecturer, Political Science*
Lolita D'Souza, M.A., *Lecturer, Political Science*
Louise Ann Sequeira, M.A., *Lecturer, Political Science*

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*)

Teacher's Vocation Interpersonal Relationship among staff members, 23/6/97 and 24/6/97, AIACHE,

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

Shobha Verenkar, Goa University, 27.9.97, *Craft of Novel.*

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

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

College team, **Winners,** Football

College team, **Winners,** Basketball

College team, **Winners,** Handball

College team, **Winners,** Tennikoit

College team, **Runners Up,** Volleyball

4.5.10 Any other information:

8 girls of the college represented the Goa University at the Inter-University Football tournament held at Annamalai University.

4.6 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, Maths & Statistics*

Yogeeta Rodrigues, M.Sc., *Lecturer, Mathematics & Statistics*

S.N.D. Poojary, M.A., *Lecturer, Philosophy*

R.B. Patil, Ph.D., *Lecturer, Sociology*

Ganesh Somayaji, M.A., *Lecturer, Sociology*

Sonal Thakkar, M.A., *Lecturer, Sociology*

Sandhya Bhandare Sequeira, M.Phil., *Lecturer, English*

Cidalia Bodade, M.Phil., *Lecturer, English*

Prakash Pawar, FCA, *Lecturer, Accountancy*

Sanchiliana Faria, [M.Com.](#), *Lecturer, Accountancy*

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

Elona Govia, [M.Com.](#), *Lecturer, Accountancy*

Rashmi Bhargava, M.A., *Lecturer, Psychology*
Zanet Fernandes, 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*
Sachin Kandolkar, M.A., *Lecturer, Marathi*
Manisha Tomar, M.A., *Lecturer, Hindi*

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*
Champa Parab, *M.Com., Lecturer, Commerce*
Sonali Thorat, *M.Com., Lecturer, Commerce*
Ashish Joshi, *M.Com., Lecturer, Commerce*
Savia Mendese, *M.Com., Lecturer, Commerce*
P.A. Borgave, M:P.Ed., *Sports Director, Physical Edu.*

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

Rekha Gaonkar, Osmania University Hyderabad, 27-29.12.97, *Growth of Banking infrastructure in Goa in post liberation area.*

R. B. Patil, Osmania University Hyderabad, 22-24.12.97, *Role of organisation in Peasant movenzent:some Theoretical issues.*

R. B. Patil, Goa University, 27.2.1998, *Social context of women's Empowerment in India: Some issues in Reconstructing Gender Identity.*

4.6.5 Seminars/Conferences/Workshops, etc

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

R. B. Patil and S. N. D. Poojary, *Celebration of diversity in India, Agra, Diversity in Goa: some aspects.*

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

R. B. Paul, *Karnataka Raj Raitha Sangha from movement to political party, Samaja Shodhana, 1997.*
R. B. Patil, *Self employed women in unorganised sector, Karnataka University Journal of Social Science, 1997.*

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

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

Miss Rashmi Avdut Shetye, **3rd Rank**, T.Y. [B.Com.](#)

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

College (Women) Team, **Winners**, Table Tennis Championship
Gaurish Dhawalikar, **Silver Medal**, Judo Championship
Gaurish Dhawalikar, **Gold Medal**, Weight Lifting & Power Lifting
Navnath Govekar, **Gold Medal**, Power Lifting.
Intiaz Shaikh, **Bronze Medal**, Weight Lifting.
Tukaram Gawas, **Medal**, Power Lifting.

4.6.10 Any other information:

1. Miss Amita Prabhu Desai of T.Y.B.A. class secured the First Prize of Rs. 3000/- at All Goa Dr. P. S. Ramani Foundation Essay Competition. She also bagged the second prize at the Inter-Collegiate Essay Competition organised by Goa University at Decennial Celebration. She secured the Third prize at the Essay Competition organised by the Chinmaya Mission, Goa.
2. Miss Gayathri Chandrashekar of the S.Y.B.A. class secured the second prize at the Inter-Collegiate Elocution Competition organised by Goa University She was sent to Delhi to represent Goa University to compete at the Inter University level Debate on the Cooperative Movement in India
3. College is selected by Goa Govt. and Goa University as a receive centre for their Distance Education, Information and Training infrastructure programme.
4. M. C. Rodrigues was awarded Ph. D. in Political Science for her thesis entitled Opinion Poll of Goa.
5. Mr. Umar Muthawalli, Mr. Shailesh Narvekar and Mr. Oldrin Barreto were members of the Goa University Football team for the West Zone Inter-University Football championship held at Gawlior.

4.7 Shree Damodhar College of Commerce and Economics, Margao

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

G.M. Prabhudesai , M.A., <i>Principal</i> , Economics	Merilyn Gomes , M.Com. , <i>Lecturer</i> , Commerce
L. Menon , M.A., <i>Lecturer</i> , Economics	Pooja Prabhudesai , M.Com. , <i>Lecturer</i> , Commerce
P.D. Mallaya , M.Phil., <i>Lecturer</i> , Economics	J.M. Rebello , M.A., <i>Lecturer</i> , English
Nomu S. Poy Raiturkar , M.A., <i>Lecturer</i> , Economics	Florence Rebello , M.A., <i>Lecturer</i> , English
Sandra D'Costa , M.A., <i>Lecturer</i> , Economics	S.B. Mulay , <i>M.Sc.</i> , <i>Lecturer</i> , Geography
Lira Cardozo , M.A., <i>Lecturer</i> , Economics	V.G. Patil , <i>M.Sc.</i> , <i>Lecturer</i> , Mathematics
R.T. Virkar , M.Com. , <i>Lecturer</i> , Commerce	M.E. Abranches , <i>M.Sc.</i> , <i>Lecturer</i> , Mathematics
U.N. Pulapaka , M.Com. , <i>Lecturer</i> , Commerce	N.G. Nayak , <i>M.Sc.</i> , <i>Lecturer</i> , Mathematics
A.R. Neelgar , M.Phil., <i>Lecturer</i> , Commerce	J.M. Verlekar , F.C.A., <i>Lecturer</i> , Accounts
N. Gopinathan , M.Phil., <i>Lecturer</i> , Commerce	V.F. Chimulkar , F.C.A., <i>Lecturer</i> , Accounts
S.K.M. Bhat , M.Com. , <i>Lecturer</i> , Commerce	M.A. Redkar , M.Com. , LL.B, <i>Lecturer</i> , Busniess Law
Lina Kamat , M.Com. , <i>Lecturer</i> , Commerce	P.P. Singh , LL.M, <i>Lecturer</i> , Business Law
Shami R. Pai , M.Com. , <i>Lecturer</i> , Commerce	Alpana Betigeri , B.E., <i>Lecturer</i> , Computer Science
Anjali R. Virkar , M.Com. , <i>Lecturer</i> , Commerce	Monica D'Mello , PGDCA, <i>Demonstrator</i> , Commerce
Sanjay P.Sawant Dessai , M.Com. , <i>Lecturer</i> , Commerce	
Ranjana Gaonkar , M.Com. , <i>Lecturer</i> , Commerce	

4.7.5 Seminars/Conferences/Workshops, etc.

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

Advertising at TY.B.Com., 10.12.1997, Goa University, Commerce.

Advert., Sales Promotion & Sales Management, 6.2.1998, Goa University, Commerce.

Project Work Methodology & Evaluation, 19.2.1998, Goa University, College.

Management of Small Scale Industries at TY, 17.3.1998, Goa University, Commerce.

Workshop on Goal setting, 10.4.1998, Mrs. S.H.N. Gaunekar, Chartered Acct. Margao, College.

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

U. N. Pulapaka, '*Recent Trends in Commerce & Management*', Govt. College of Arts & Commerce, Pernem, 6.12.1997, *Twenty First Century a Challenge for Indian Management*.

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

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

Suhas M. Mallya, 3rd Rank, T.Y.B.Com.

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

College Team, **Winners**, Lawn Tennis

College Team, **Third place**, Chess

College Team, **Runners up**, Cycling **Team** Championship

Patric Soares, **Best Athlete of Goa University**, Athletics

Patric Soares, **Gold Medals**, 5000 mtrs., 1000 mtrs. & 1500 Mtrs. Cycling race

4.7.10 Any other information:

1. Mr. Mario Furtado and Mario Rebello (Football), Mr. Cyril Braganza (Basketball), Mr. Patric Soares, Mr. Jose Colaco and Patrick Soares(Athletics) represented Goa University in Inter Univ. Tournament.
2. Mr. Andrew Gomes represented Goa State at All India Kho Kho tournament in Kerela,
3. The College won 2nd prize for the Students' Parliament Competition organised by Goa Legislative Assembly.
4. Bagged Runners up trophy for the All Goa Inter Collegiate Elocution Competition for Late Shri Tukaram Ramchandra Prabhu Memorial Trophy organised by G.V.M.'s college of Commerce, Ponda. Mr. Suhas Mallya won second prize for the Best Speaker. He also won 3rd place in Elocution Competition organised by Goa University.
5. **NCC:** From Naval Wing 17 cadets attended Annual Training Camp and two of them got bronze medal for ship modelling. One cadet was selected for Ocean to sky expedition and one for cycle expedition from Panaji to Karwar.
6. **NSS** volunteers participated in Aids Awareness Rallies, programmes and workshops for anti tobacco campaign and covered entire Margao Town regarding Malaria Eradication Scheme. **The NSS camp was held at Kolamb, where 53 students and 4 teachers participated.**

4.8 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
S.H. Kulkarni, M.Phil., *Vice-Principal*,
Commerce

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

A. Haladi, M.A., *Lecturer*, Economics
M. Shanthi, M.A., *Lecturer*, English
S.B. 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. Patil, M.Sc., *Lecturer*, Electronics

E.J. D'Lima, M.Phil, *Lecturer*, English
 S.B. Dharwadkar, M.Phil, *Lecturer*, Geography
 K.G. Kakamari, M.Sc., *Lecturer*, Mathematics
 T. Reena Devi, *M.Com.*, *Lecturer*, Commerce
 S.D. Patil, *M.Com.*, *Lecturer*, Commerce
 M.R. Patil, M.Phil, *Lecture*, Commerce
 Prashanti Talpankar, *M.Com.*, *Lecturer*,
 Commerce
 R.V. Dukle, F.C.A., *Lecturer*, Accountancy
 S.P. Morajkar, *M.Com.*, *Lecturer*, Accountancy
 Redkar Rashmi Rajendra, *M.Com.*, *Lecturer*,
 Commerce
 Kuncolienkar Smita Raj, M.Sc., *Lecturer*,
 Mathematics.
 Mascarenhas Aldrin, M.P.E., *Director*, Physical
 Education,
 Pawar Prakash Pundalik, F.C.A., *Lecturer*,
 Accountancy.
 Dhavjekar Govind Tukaram, LLB, *Lecturer*,
 Law.
 Joshi Damodar Vaman, F.C.A., *Lecturer*,
 Accountancy.
 Kamat Sham Jagannath, F.C.A., *Lecturer*,
 Accountancy.
 M.V. Subhedar, M.Sc., *Lecturer*, Physics

Sunoj P. Raicar, M.Sc., *Lecturer*, Electronics
 Fernandes Mallika, M. Sc., *Lecturer*, Geography
 V.G. Desai, M.Sc., *Lecturer*, Chemistry
 Shaikh Parvez Mohammed, M.Sc.,
Lecturer, Physics
 Parab Yoganand Vassu, M.Sc., *Lecturer*,
 Physics.
 Kadam Prashant Vithal, M.A., *Lecturer*,
 Economics.
 Satya Maria Ramesh Menon, M.A., *Lecturer*,
 Economics.
 Babita Shivanand Narvenkar, *M.Com.*,
Lecturer, Commerce.
 Abhyankar Girish Gajanan, B.E., *Lecturer*,
 Electronics.
 Pokle Atmaram Manohar, PGDCA, *Lecturer*,
 Computer Science.
 Fernandes Amelia James, M.A., *Lecturer*,
 English.
 Shirodkar Shivdatt Fatu, *M.Com.*, *Lecturer*,
 Commerce.
 Naik Sanjay Madhu, M.A., *Lecturer*, Hindi.
 Lad Pradip Dattaram, F.C.A., *Lecturer*,
 Taxation.

4.8.5 Seminars/Conferences/Workshops, etc

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

M.R.Patil, Chennai, 26.11.1997, *Working status of Consumer Co-operatives in Educational Institutions in Goa.*

M.R.Patil, Pernem, 6.12.1997, *Need of Value Based Commerce Education in Changing Scenario.*

M.R.Patil, Dharwad, 6.3.1998, *Business Education Inter Linkage and Emerging Challenges.*

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

M. R. Path, *Financial Analysis of Urban Co-op. Bank: A case Study of Mapusa Urban Co-operative Bank in Goa*, **Management Accountant**, 33, February 1998.

M. R. Path, *Inter-Regional Growth Differences in Rice Production during 1975-94 : A case Study of Goa (publish in form of summaty)*, **Indian Journal of Agricultural Economics**, 52, July-September 1997.

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

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

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

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

College Team (Men), **Champions**, Hand-ball

College Team (Men), **Champions**, Cricket

College Team, **Champions**, Athletics

College Team, **Runners-up**, Chess

4.8.10 Any other information:

1. Students represented for Ranji and Cooch Bihar Trophy Tournaments.
2. S. B. Dharwadkar attended pre-commission training courses and commissioned as Second Lieutenant in October, 1997.
3. M. Shanthi : Secured Best NCC Training Officers Award in India and awarded Director Generals Plaque Of Honour.

4.9 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 FaHeir^o, M.Phil, *Lecturer*, Mathematics
Vinay Gaonkar, M.Sc., *Lecturer*, Computer Awareness

G.A. Borkar, M.Phil, *Lecturer*, Economics
M.M. Chikodikar, M.A., *Lecturer*, Economics
Geetanjali Urankar, 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
S.B. Dessai, F.C.A., *Lecturer*, Accountancy
S.P. Bhat, F.C.A., *Lecturer*, Accountancy
P.M. Bhende, M.Phil, *Lecturer*, Commerce

P.G. Dandin, [M.Com.](#), *Lecturer*, Commerce
Meera Mayekar, [M.Com.](#), *Lecturer*, Commerce
Smita G. Hede, M.Phil., *Lecturer*, Commerce
Latha Menon, [M.Com.](#), *Lecturer*, Commerce
Kanta Prabhu, M.Phil., *Lecturer*, Commerce
Prabhakar Rane, M.Phil, *Lecturer*, Commerce
G.V. Khandeparkar, LL.B., *Lecturer*, Business Law

P.N. Maske, M.A., *Lecturer*, Politics
Raina Pinto, [M.Com.](#), *Lecturer*, Commerce
Nitesh D. Naik, [M.Com.](#), *Lecturer*, Commerce
Mallika Fernandez, M.Sc., *Lecturer*, Geography.
Betty D'Silva, M.P.Ed., *Director of Physical Education*

4.9.5 Seminars/Conferences/Workshops, etc

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

P. N. Maske, *Seminar on "Relevance of Mahatma Gandhi to our Times"*, M.E.S. College, Zuarinagar, 18.10.1997.

P. G. Dandin and Latha Menon, *Seminar on "Recent Trends in Commerce and Management"*, Govt. College Pernem, 6.12.1997.

P. M. Bhende, P. G. Dandin and R. G. Bhatt, *Seminar on "Education 2000 and Beyond"*, Vidya Vikas Mandal Margao, 17-18 January 1998.

Vinaya Gaonkar, *Workshop on "Electronics"*, Physics Department Goa University, 23-24 January 1998.

P. M. Bhende, and G. A. Borkar, *Workshop on "Objective testing in Economics for Commerce Stream"*, Govt. College Quepem, 20-21 February 1998.

P. M. Bhende, P.G. Dandin, Smita Hede, Latha Menon, Kanta Prabhu, Prabhakar Rane, Raina Pinto, G. A. Borkar and P. N. Maske, *Workshop on "Project Work" Methodology and Evaluation"*, Damodar College Margao, 19.2.1998.

Latha Menon, *Workshop in Management of Small Scale Industries at [TY.B.Com.](#)*, Damodar College, Margao, 17.3.1998.

G. A. Borkar, *National Integration Camp*, Madkai, 3.3.1998 to 9.3.1998.

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))

College Team Women, **Runners-up**, Cross Country Tournament

College Team Women, **Winners**, Kho-Kho Tournament

Dhondu S. Zantye, **Gold Medal**, Judo.

Sanjay Rathodkar, **Bronze Medal**, Power Lifting

Rupesh Kurpaskar, **Silver and Bronze Medal**, Swimming

Umesh Gaude, **Silver Medal**, Swimming

4.9.10 Any other information:

1. Smita G. Hede and Kanta Prabhu, lecturers in Commerce in our College have passed the M.Phil degree examination of Goa University.
2. Miss Sonia Shirsat and Miss Raksha Islur of F.Y.B.Com. bagged Runners-Up Trophy at All Goa Inter-Collegiate Debate Competition organised by Govt. College, Khandola on 1.9.97.
3. Miss Sonia Shirsat of F.Y.B.Com., won the first Prize at the Elocution Competition organised by N.S.S. Unit, Goa University, at Damodar College, Margao.
4. Miss. Sonia Shirsat won the prize at World Speaking contest at the Asia Level, organised by Junior Chamber International and also represented Asia at the World level competition, held at Honolulu, Hawaii, U.S.A. in November 1997.
5. Shri Nanda Gaude of T.Y. **B.Com.** won a prize for Abhang competition organised by Govt. College, Khandola. The College Team bagged the trophy along with cash prize of Rs. 5000/- at "Genesis" for dance competition.
6. Dhondu Zantye is adjudged as the best Judokar of the State of Goa.

4.10 P.E.S. College of Arts & Science, Ponda.

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

A.K. Heblekar, PhD, *Principal*, Physics

M.V. Dixit, M.Phil, *Lecturer*, Physics

G.V.S. Kundaikar, M.Phil, *Lecturer*, Physics

S.H.P. Keluskar, M.Phil, *Lecturer*, Physics

Mandakini V. Rane, M.Sc, *Lecturer*, Physics

Sachin S. Desai, M.Sc., *Lecturer*, Physics

A.S. Dinge, Ph.D., *Lecturer*, Chemistry

S.D. Gokakakar, M.Sc., *Lecturer*, Chemistry

R.G. Shetkar, M.Sc., *Lecturer*, Chemistry

B.L. Malik, Ph.D., *Lecturer*, Chemistry

V.D. Vaze, M.Sc., *Lecturer*, Chemistry

Vikas J. Pissurlekar, M.Sc., *Lecturer*, Chemistry

Anuradha B. Kanolkar, M.Sc., *Lecturer*,

Chemistry

Anita Tilve Manekar, Ph.D., *Lecturer*,

Chemistry

Deeparani Kulshreshtha, M.Sc., *Lecturer*,

Zoology

Sunita R. Borkar, M.Sc., *Lecturer*, Microbiology

Caroline F.E. Fernandes, M.Sc., *Lecturer*,

Microbiology

Meenal Kaushik, M.Sc., *Lecturer*, Microbiology

V.S. Samant, M.A., *Lecturer*, Maths

M.N. Kulkarni, M.Sc., *Lecturer*, Maths

Mita G. Nadkarni, M.Sc., *Lecturer*, Comp.

Awareness

B.V. Apte, M.A., *Lecturer*, English

A.V. Bhandiwad, M.A., *Lecturer*, Economics

J.G.R. Monteiro, M.A., *Lecturer*, Economics

K.R. Kunkolienkar, Ph.D., *Lecturer*, Philosophy

Anjali M. Rao, M.A., *Lecturer*, Philosophy

V.V. Kamat, Ph.D., *Lecturer*, History

Virendra S. Dangui, M.Sc., *Lecturer*, Chemistry
 Brenda F. Souza, M.Sc., *Lecturer*, Chemistry
 Harsha Uskaikar, M. Sc., *Lecturer*, Chemistry
 Seema V. Kamat, M.Sc., *Lecturer*, Botany
 Kasturi N. Desai, Ph.D., *Lecturer*, Botany
 P. Bhattacharya, Ph.D., *Lecturer*, Botany
 Ranjita P. Prabhu Gaonkar, M.Sc., *Lecturer*,
 Botany
 Vanita P. Valvaikar, M.Sc., *Lecturer*, Botany
 Lynette Fernandes, M.Sc., *Lecturer*, Botany
 Susan Marcos, M.Sc., *Lecturer*, Zoology
 A.V. Deshpande, Ph.D., *Lecturer*, Zoology
 S.H. Bhosale, Ph.D., *Lecturer*, Zoology
 G.P.P. Khanolkar, M.Sc., *Lecturer*; Zoology
 Teja V. Gramopadhye, M.Sc., *Lecturer*,
 Zoology

Padmaja V. Kamat, M.A., *Lecturer*, History
 P.R. Hede, Ph.D., *Lecturer*, Pol. Science
 Badruddin, M.Phil, *Lecturer*, Pol. Science
 V.V. Prabhudesai, M.Phil, *Lecturer*, Marathi
 Dipak R. Chatre, M.A., *Lecturer*, Marathi
 S. Ramaswamy, Ph.D., *Lecturer*, Hindi
 Uma Priolkar, M.A., *Lecturer*, Hindi
 D.M. Desai, M.P.Ed. , *Director*, Physical
 Education
 Bhushan V. Bhawe, M.A., *Lecturer*, Konkani
 Ulhas Y. Naik, M.A., *Lecturer*, Konkani
 Flavia Maria Noronha, M.A., *Lecturer*,
 Psychology
 Priya U. Sabnis, M.A., *Lecturer*, Psychology
 Deepa C. Fernandes, M.Sc., *Lecturer*, Zoology

4.11 Naval Academy, INS Mandovi, Verem

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

Cdr KB Mehta, M.Sc. Principal, Physics	G.G. Rao, M.Tech., Computer Science
Lt Cdr T Murthy, M.Sc., Vice-Principal, Chemistry	Lt P. Goel, M.Sc., Instructor, Physics
K. Padmanabhan, M.Sc. Instructor, Physics	Lt G. Vijaya, B.Tech., Instructor, Physics
S. Sivakumar, M.Sc. Instructor, Physics	Lt R Dwivedi, M.Sc., Instructor, Physics
Lt Cdr M Anand, M.Sc. Instructor, Maths	Lt AK Dash, M.Sc., Instructor, Physics
Lt Cdr Indu Prakash, M.Sc., Physics	Lt M Muthuraman, M.Sc., Instructor, Maths
Lt CM Yogisha, B.Tech., Instructor, Physics	Lt Jason Paul, M.Sc., Instructor, Maths
	S Lt R Balaji, B.Tech., Instructor, Maths

4.11.5 Seminars/Conferences/Workshops etc.

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

Oceanography - An Overview, 25.7.1997, Academy.

Maritime History of India with Special emphasis to Goa, 16.10.1997, Academy.

India and its neighbours in the 50th year of Independence, 22.1.1998, Academy.

4.11.9 Achievements: Ranks/Merits in the University Examinations/Sports Activities

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

Naval Academy Team, **Place**, Cross Country.

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

Naval Academy Team, **1st Place**, Debate competition

Naval Academy Team, **IIIrd Place**, Quiz

4.11.10 Any other information:

1. Cycle expedition to Karwar was conducted on 4 March 1998
2. NCC cadets participated in camp (Tenderfoot/Typhoon) at Bicholim Range for II and IV term cadets from 04 to 10 October 1997..
3. NCC cadets participated in camp (Tenderfoot/Typhoon) at Bicholim Range for II and IV term cadets from 29 March to 02 April 1998.

4.12 C.E.S. College of Arts & Commerce, Cuncolim.

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

D.L. Naik , M.A., <i>Principal</i> , History	Anand S. Dessai , M.Sc., <i>Lecturer</i> , Mathematics
Carmen S Pais , M.A., <i>Lecturer</i> , History	Apoorva A. Marathe , M.A., <i>Lecturer</i> , Economics
Laximan G. Naik , M.Com. , <i>Lecturer</i> , Commerce	Avinash V. Raikar , M.A., <i>Lecturer</i> , Economics
Savita S. Nadkarni , M.Com. , <i>Lecturer</i> , Accountancy	Maria Fatima Monteiro , M.Phil., <i>Lecturer</i> , English
Argemiro Rodrigues , M.Com. , <i>Lecturer</i> , Accountancy	Prakash R. Morakar , M.Phil., <i>Lecturer</i> , Geography
Sarala V. Katageri , M.A., <i>Lecturer</i> , Political Science	Tolentina Xavier , LL.B., <i>Lecturer</i> , Business Law
Teja N. Usgaonkar , M.A., <i>Lecturer</i> , Political Science	Ramlal S. Vemekar , M.P.Ed., <i>Director</i> , Physical Education
Chatura R. S. Sancordenkar , M.A., <i>Lecturer</i> , Hindi	Sucorina E D'Cunha , M.A., <i>Lecturer</i> , Sociology

4.13 Government College of Arts & Commerce, Sanquelim

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

B.A. Gomes , Ph.D., <i>Principal</i> , Economics	D.G. Bandiwadekar , M.Sc., <i>Lecturer</i> , Maths.
P.N. Thomas , M.Sc., <i>Lecturer</i> , Botany	Santosh George , Ph.D., <i>Lecturer</i> , Mathematics
R.K. Tari , M.Sc., <i>Lecturer</i> , Botany	Ramrao Wagh , M.C.A., <i>Lecturer</i> , Computer Science
Sowmini Thomas , M.Sc., <i>Lecturer</i> , Zoology	Gervasio Mendes , M.A., <i>Lecturer</i> , Economics
K.S. Muralidhar , Ph.D., <i>Lecturer</i> , Zoology	Agnela Dias , M.A., <i>Lecturer</i> , Economics
Preethi Thomas , M.Sc., <i>Lecturer</i> , Zoology	Shilpa Satoskar , M.A., <i>Lecturer</i> , Economics
Vaibhav Chindraker , M.Sc., <i>Lecturer</i> , Zoology	K.K. Bable , M.P.Ed., <i>Director</i> , Phy. Education
D.B. Arolkar , Ph.D., <i>Lecturer</i> , Geology	K.R. Badiger , Ph.D., <i>Lecturer</i> , Geography
Anil Karambalkar , M.Sc., <i>Lecturer</i> , Geology	
J.P.P. Pacheco , M.Sc., <i>Lecturer</i> , Chemistry	
Ashok Chodankar , M.Sc., <i>Lecturer</i> , Chemistry	
J. Bhattacharjee , Ph.D., <i>Lecturer</i> , Chemistry	
Manda Parab , M.Com. , <i>Lecturer</i> , Commerce	
Vanita Patil , M.Com. , <i>Lecturer</i> , Commerce	
Mahendra Pednekar , M.Sc., <i>Lecturer</i> , Physics	

Purnakala Samant, *M.Sc., Lecturer, Chemistry*
Varsha Sail, *M.Sc., Lecturer, Chemistry*
Jyoti Sawant, *M.Sc., Lecturer, Chemistry*
N.B. Bhat, *M.Phil, Lecturer, Physics*
S. Jahagirdar, *M.Phil, Lecturer, Physics*
Dautaga Aliaga Aga, *M.Phil., Lecturer, Physics*
Nilesh Natekar, *BE., Lecturer, Computer Science*
Nehar Nitu Singh, *M.Sc., Lecturer, Computer Science*
Avinash Patil, *B.E., Lecturer, Computer Science*
Shubha Kamat, *B.E., Lecturer, Computer Science*
C. Rao, [M.Com.](#), *Lecturer, Commerce*
M.B. Gosarwadekar, [M.Com.](#), *Lecturer, Commerce*
Radhamani Divakar, [M.Com.](#), *Lecturer, Commerce*

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, *Ph.D., Lecturer, Philosophy*
Sneha S.P. Mahambre, *M.Phil, Lecturer, Marathi*
Prashant Bhonsle, [M.Com.](#), *Lecturer, Commerce.*
M.B. Gosarwadekar, [M.Com.](#), *Lecturer, Commerce*

4.14 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 Kunkaliker, *M.Sc., Lecturer, Foods & Nutrition*
Marlotte Facho, *M.Sc., Lecturer, Textiles & Clothing*

4.15 Govt. College of Arts, Science & Commerce, Khandola.

4.15.1 List of Teaching Staff: (Name, Qualifications, Designation, 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*
Ana B. Gracy Fernandes, *B.E., Lecturer, Computer Science*
Geeta Varkey, *B.E., Lecturer, Computer Science*

Sujata Gaonkar, M.C.A., Lecturer, Computer Science

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
Lucas Miranda, M.Phil., Lecturer, Maths.
Varada A. Kalas, M.Phil., Lecturer, Maths.
Manisha S. Sajane, B.E., Lecturer, Computer Sc.
Anjali A. Sardessai, M.C.A., Lecturer, Computer Sc.
Rajeshree Joshi, B.E., Lecturer, Computer Sc.
Seema P. Rath, M.A., Lecturer, Economics
Christina De'Souza, M.A., Lecturer, Economics
Anita Durbhatkar, M.Sc., Lecturer, Computer

Science **Fatima D'Souza, M.Com., Lecturer,**
 Commerce **Artemio Fernandes, M.Phil., Lecturer,** Corn. **S.V. Sukhthankar, M.Com., Lecturer,** Corn. **Nilesh Borde, M.Com., Lecturer,** Commerce **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, Ph.D., 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 Seminars/Conferences/Workshops, etc

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

John B. Fernandes, *Orientation Programme for College Principals, National Institute of Educational Planning & Admn, New Delhi, 9-21 November 1997, Parameters to be used in assessing the performance of rural colleges for purpose of Assessment and Accreditation.*

P. K. Rath, *National Seminar on Insects & Environment, Society of Environmental Scientists, Punjab University Chandigarh, 18-20 September 1997, Incidence of insects related to agricultural crops in Goa.*

Christina D'Souza, *Restructing the Indian Economy & Issues and Consequences, Department of Economics, Goa University, 22-23 January 1998, Issues & Consequences of the rural Non-farm sector in the New Economic Development.*

T. S. Dey, *Refresher course for Phy.Directors of Phy.Edn., Academic Staff College, Goa University, 11th April to 2nd May 1998, Body composition & Weight Control.*

Asha B. Gahloth, *Significance of Nagarism's Novels in todays Society, Department of Hindi, Goa University, 27th September 1997, "Nagarism Baba Baleser Nath".*

S. V. Sukhthankar, *All India Commerce Congress 1998, Commerce Association, Trivandrum, Kerela, 22-24 January 1998, Cultural tourism in Goa. Aspects and Prospects, Nature of tourism in Goa.*

Mahesh Pai, *Mental Health & Individual, Department of Psychology, Karnataka University, Dharwad, 15-16 December 1997, Role of Accurate information and Healthy Attitudes in HIV/AIDS Awareness.*

S. M. Gurav, *Catalysis, Regional Research Lab., Trivandrum, 11-13 December 1997, Presented a poster on catalytic oxidation of CO over Nil -xCu_xMN₂O₄ syst.*

Marina Albuquerque, Ecology of Fungi,IMACA International Symposium of Ecology of Fungi, Dona Paula, 20-22 January 1998, "Pseudohistogenesis by Flocculating Wild Yeasts and its Biotechnological Implications", "Poster on Bio-Amelioration potential of Yeasts in removing turbidity of polluted waste water".

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

Usha P. Bhende, Annual Conference of the Indian Archacological society, Srinagar (Garhwal Uttar Pradesh) 15th and 17th October 1997.

Usha P. Bhende, Refresher course in History, Academic Staff College, 18th February to 10th March 1998.

T.S. Dey, Refresher course for Physical Educations, L.N.I.P.E. Gwalior, 15th January to 21st February, 1998.

Manisha S. Sajane, Orientation Course for Lecturers, Academic Staff College, Goa University, 23rd April to 20th May 1997.

Anjali A. Sardessai, Need Based Refresher Course in Computer Science, Academic Staff College, Goa University, 1st to 21st November 1997,

Anita R. Durbhatkar, *Orientation Course for Lecturers*. Academic Staff College, Goa University, 23rd April to 20th May 1997.

Ana B. Gracy Fernandes, *Orientation Course for Lecturers*, Academic Staff College, Goa University, 25th April to 20th May 1997.

Sujata Gaonkar, *Need Based Refresher Course in Computer Science*, Academic Staff College, Goa University, 15th to 21 November 1997.

Varade A. Kalas, *Orientation course for Lecturers*, Academic Staff College, 23rd April to 20th May 1997.

P. V. Chodankar, *Orientation course for the Programme Officers of National Service Scheme*, NSS Tr. & Orientation Centre, Ahmednagar College Ahmednagar, 27th August to 5th September 1997.

4.15.9 Achievements: Ranks/Merits in the University Examinations/Sports Activities

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

Men & Women's Hockey Team, Runner's -up, Hockey

Chitra Gaude, Bronze Medal, 5000 meters race

4.15.10 Any other information :

1. Isabel Dennis was awarded Ph. D in English for the thesis entitled "*Ma/con Lowry: A critique of his Writings*"
2. Miss Chitra Gaude (T.Y.B.A.) and Mr. Merwyn Coutinho (S.Y.B.Com.) represented Goa University at the Inter-University competitions in Cross Country Race held at Chandigarh and in Football Tournament held at Gwalior respectively.
3. The Department of Geography organised an educational tour of Geography students (B.A.) to Jog Falls.

4.16 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
S.N. Patil, M.A, *Vice Principal*, Geography
Renji George Amballoor, M.Phil., *Lecturer*,
Economics

Elizabeth J. Henriques, M.A , *Lecturer*,
Economics

Rufina Borges, M.A, *Lecturer*, Geography
Cleopha Agnes Lobo, M.A , *Lecturer*,
Geography

Linda Maria Fernandes, M.Phil., *Lecturer*,
English

P.S. Deepa, M.A, *Lecturer*, English

Sushila S. Mendes, M.A., *Lecturer*, History

Remy Dias, M.A, *Lecturer*, History

Vidya R. Dalvi, [M.Com.](#), *Lecturer*, Commerce

Santa N. Shahapurkar, [M.Com.](#), *Lecturer*,
Commerce

Anthony Sathish B., M.Phil., *Lecturer*,
Accountancy Narayan V. Bhandodkar, 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*,
Maths.

Ehrlich D. Barreto, M.Sc, *Lecturer*, Maths.

Mehtab Jahan Bukhari, M.Sc., *Lecturer*, Botany
Celly Quadros e Coutinho, M.Sc., *Lecturer*,
Botany

Jovita Vina D'Costa, M.Sc., *Lecturer*, Botany

Annie E. D'Souza, 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

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 Gahloth, M.A., Lecturer, Hindi

**Seema P. Salgaonkar, M.A., Lecturer, Political
Science**

**Constancio Fernandes, M.A., Lecturer, Political
Science**

Rajay R. Pawar, M.A, Lecturer, Konkani

Shirish D. Kamat, M.Sc., Lecturer, Physics

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, BE., Lecturer, Computer
Science**

**Philip A. Rodrigues, B.E., Lecturer, Computer
Science**

**Rajan Mathew, M.P.Ed, Director, Physical
Education**

4.16.2 Highlights of the research activities:

Mrs. Jovita Vina D'Costa, Department of Botany has submitted her Ph.D. thesis to Goa University. Miss Linda Maria Fernandes, Department of English, Mr. Brijpal Singh Gahloth, Department of Hindi will submit their Ph.D. thesis shortly while Mr. George Amballoor, Miss Mehtab Jahan Bukhari and Miss Asha Mangutkar (M. Phil) have registered for Ph.D. and M. Phil programmes respectively.

Research Projects: Miss Linda Maria Fernandes, Department of English took up a Research Project at the National Library of Lisbon, Portugal for a period of six months from June 1997 to November 1997 on the topic "India in the works of Portuguese Writers".

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

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

College Team (Women), **Winner**, Cross Country race

College Team (Women), **Winner**, Athletics Championship

College Team (Men), **Runners-up**, Weight lifting .

College Team (Men), **Runners-up**, Swimming Competition

College Team (Men), **IIIrd Place**, Cycling Competition

Joaquina Dias, **Individual Championship**, Athletic

College Team, **Gold (3), Silver (8) and Bronze(7) medals**, Athletic meet

College Team, **Gold (5), Silver (7) and Bronze (2) medals**, Athletic meet

Uday Kumar Madar, **Fastest Swimmer**, Swimming Competition.

Joaquina Dias and Nutan Velip, **Selected**, Cross Country Championship

Govind Bhishe, **Iron Man** Weight Lifting.

4.16.10 Any other Information

College team (Women), was Winner in Athletics in the Championship organised by G.A.A.A.

4.17 Rosary College of Commerce & Arts, Navelim

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

Newman Fernandes, M.A., Principal,
Psychology

Sonia F. Vaz, M.A., Lecturer, Economics
Jim Barreto, [M.Com.](#), Lecturer, Commerce &

Savio Falleiro, M.A., *Lecturer*, Economics
 Neeta Mazumdar, M.Sc., *Lecturer*, Mathematics
 Anna Rodrigues, M.A., *Lecturer*, English
 Filipe Rodrigues e Melo, [M.Com.](#), *Lecturer*,
 Corn. & Accountancy
 Bhalchandra Gaonkar, M.A., *Lecturer*, Konkani
 Francis X. Lobo, M.P.Ed., *Director of Phy. Edu.*,
 Phy. Education
 Robert Fernandes, [M.Com.](#), *Lecturer*,
 Commerce & Accountancy
 Afonso Botelho, M.A., *Lecturer*, Sociology
 Priya Carvalho, M.A., *Lecturer*, English
 Tanya Marchon, M.A., *Lecturer*, Psychology
 Helic Barretto, [M.Com.](#), *Lecturer*, Commerce &
 Accountancy
 Hanumant Chopdekar, M.A., *Lecturer*, Konkani

Accountancy
 Alison Dias, M.A., *Lecturer*, History
 Juao C. Costa, [M.Com.](#), *Lecturer*, Corn. &
 Accountancy
 Charmaine D'Souza, [M.Com.](#), *Lecturer*,
 Commerce & Accountancy
 Maria L. Dias, M.Lib.Sc., *Lecturer*, Library
 Tolentina Xavier, L.L.B., *Lecturer*, Business
 Law
 Janet Borges, M.A., *Lecturer*, Hindi
 Rita Braganza, M.A., *Lecturer*, History
 Lourdes Pinto Vaz, M.A., *Lecturer*, Psychology
 Eulalia Almeida, M.A., *Lecturer*, Psychology
 Smita Naik, M.A., *Lecturer*, Geography
 Prema Rocha, M.A., *Lecturer*, English
 Soazinha Fernandes, [M.Com.](#), *Lecturer*,
 Commerce & Accountancy

4.17.5 Seminars/Conferences/Workshops, etc.

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

Project Work & Methodology & Evaluation, 24.2.1998, *Rosary College Management*, College.

Community College, 16.1.1998, *Rosary College*, College.

Inventory of Christian Art objects, 18.10.1998, *Fundacao Oriente, Rosary College & Velha Goa Trust*,
 College.

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

Newman Fernandes, *Academic Staff College Goa University*, 29.1.1998, *Progress of Collegiate Education in Goa*.

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

Francis X. Lobo, *Orientation Course*, Goa University, 21.5.1998 to 17.6.1998.

Francis X. Lobo, *Refresher Course*, Goa University, 11.4.1998 to 2.5.1998.

Savio Falleiro, Afonso Botelho and Newman Fernandes, *Preparing the Catholic University College to meet the Challenges of the third millennium*, Chennai, 21.5.1998 to 24.5.1998.

Savio Falleiro and Afonso Botelho, *Rethinking Human Sciences*, Bangalore, 27.5.1998 to 30.5.1998.

Newman Fernandes, *Update for college principals*, Delhi, 6.1.1998.

Newman Fernandes, *Options for early school leavers*, Chennai, 13.8.1997 to 14.8.1997.

Rita Branganza, *Goa University for refresher course in History*, 27.2.1998.

Neeta Mazumdar : *Refresher course in Mathematics*, Academic Staff College 7.1.1998 to 27.1.1998.

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

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

Men Team, **Runners Up**, Football Tournament

Maria Arcangela Gomes, **2 nd Place**, Cross Country Competition

Women Team, **2" Place**, Athletics

Magdalena B. Fernandes, **2nd Place**, Athletics

4.17.10 Any other information:

- (1) Juao C. Costa : Orientation Prog. for newly appointed teachers organised by AIACHE 09.05.1998 to 18.05.1998.
- (2) Bhalchandra Gaonkar : Attended 10 days orientation course for newly appointed lecturers organised by AIACHE at **Bangalore** from 9.5.1998 to 18.5.1998.
- (3) Charmaine D' Souza : Conference of Women Cell 1 to 10th May 1998 Leaders - Bangalore.
- (4) Alison Dias and Newman Fernandes: One month Winter Course on Inventory of Christian Art Objects organized by Velha Goa Trust & Rosary College from 18.10.1998 to 12.11.1998

4.18 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

Smita Shrivastava, M.M.S., *Lecturer,* Management

Sterol Godinho, M.Com., *Lecturer,* Management

Sharmila Borkar, M.A., *Lecturer,* Economics

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

Maria Nina Peres, M.Sc., *Lecturer,* Mathematics

Smruti Haldankar, B.E., *Lecturer,* Computer Science.

Jayesh Churi, M.P.Ed., *Director,* Physical Education

D.M. Jakati, M.A. *Lecturer,* Geography

Divarkar Joshi, A.C.A., *Lecturer,* Accountancy

Archana Kanekar, M.A., *Lecturer,* Economics

Anleno Monteiro, M.A., *Lecturer,* English

Hanumant Gawande, L.L.B., *Lecturer,* Law

4.19 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, M.B.A., *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
Anthony Rodrigues, M.Com., *Lecturer,* Commerce

Buila Pereira, M.A., *Lecturer,* Sociology

Fr. F. Rodrigues, M.A., *Lecturer,* Sociology

Loren Mergulhao, M.Sc., *Lecturer,* Maths & Computer

Santosh Chyari, M.A., *Lecturer,* Hindi

Rajeshri Sail, M.A., *Lecturer,* Konkani

Nazarana Shaik, M.A., *Lecturer*, Political Science
Hazel Colaco, [M.Com.](#), *Lecturer*, Commerce
Reji George, [M.Com.](#), *Lecturer*, Commerce

Rane Amarsen, L.L.M., *Lecturer*, Business Law
Agnelo Dias, M.P.Ed., *Physical Director*,
Ana Soraya Sa, M.A., *Lecturer*, History

4.19.2 Highlights of the research activities:

There are three teachers doing their M.Phil at present. In order to enlighten the teachers in research methodology, a one day workshop was held in August 1997

4.20 Shree Mallikarjun College of Arts & Commerce, Canacona

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

G.S. Badiger, Ph.D., *Principal*, Geography
F.M. Nadaf, M.A., *Lecturer*, Geograp4
C.P. Hiremath, Ph.D., *Lecturer*, Geography
V.R. Pawaskar, M.A., *Lecturer*, English
Tanuja Fal Desai, M.Sc., *Lecturer*, Maths
Kshama Desai, [M.Com.](#), *Lecturer*, Commerce
Sandesh Sawant, [M.Com.](#), *Lecturer*, Commerce
Jagmohan Singh, M. A., *Lecturer*, Economics
Geeta Walwekar, M.A., *Lecturer*, Economics
Rakshi Mhalshi, M.Phil, *Lecturer*, Hindi

Sucheta Naik, M.Phil., *Lecturer*, Commerce
Rupa Chari, M.A., *Lecturer*, Hindi
Puranand Chari, M.A., *Lecturer*, Konkani
Blossom Medeira, M.A., *Lecturer*, History
Domital D'Souza, M.A., *Lecturer*, History
Pramada Desai, M.A., *Lecturer*, Marathi
Nityanand Naik, M.A., *Lecturer*, Konkani
Sushma Salokhe, M.A., *Lecturer*, Marathi
Arvind Haldankar, M.A. *Lecturer*, Sociology
Savio Leitao, M.P.Ed., *Director*, Physical Education

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

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

College team, **Champion**, Kabaddi
College team, **Champion**, Kho-Kho

4.20.10 Any other information

Mr. Sandesh Sawant and Mr. Domital D'Souza attended NSS orientation course at Ahmednagar

4.21 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
Oscar C.N. de Noronha, M.A., *Lecturer*, English
G.A. Hedge, [M.Com.](#), *Lecturer*, Commerce
Gajanan V. Madiwal, [M.Com.](#), *Lecturer*,

B.K. Haravi, M.A., *Lecturer*, Geography
Ishani Roy, M.Phil., *Lecturer*, Geography
Amrita A. Dinge, M.A., *Lecturer*, Hindi
Neeta R. Tome, M.A., *Lecturer*, Marathi
Sunita Kandolkar, M.A., *Lecturer*, Marathi

Commerce
Namdeo M. Gawas, [M.Com.](#), Lecturer, Corn.
Xavier M Martin, Ph.D., Lecturer, History
Soniya R. Sirsat, M.A., Lecturer, Hindi
Nirmala D. Joanita De Abreu, M.A., Lecturer,
Economics
Satish N. Sanval, M.A., Lecturer, Economics
Sharmila B. Dessai, M.A., Lecturer, Economics

Seema Risbud, M.A., Lecturer, History
Suchita Arolkar, M.Sc., Lecturer, Maths &
Statistics
Hanumant Gawandi, L.L.B., Lecturer, Business
Law
Udaising Rane, M.Sc., Lecturer, Computer
Awareness
Maya Madkaikar, M.A., Lecturer, Political
Science

4.21.5 Seminars/Conferences/Workshops, etc.

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

Recent Trends in Commerce and Management, 6.12.1997, Govt. of Goa, Department of Commerce.

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

Gajanan A. Hegde, Dharwad, (National Seminar) 6.3.1998, "*Business Education in India*".

Soniya R. Sirsat, Goa University, 27.9.1997, "*Gali age mudti hai: palm evetm parivesh*"

Soniya R. Sirsat, Goa University, 3rd and 4th March 1998, "*Vyaktichitra vu sans mara ki vidha mein Rajendra Yadav Ka Yogdaan*".

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

G. A. Hegde, *Role of middlemen in Area Marketing with special reference to price spread analysis of Arecanut*, **Research Journal**, Vol.6, January-June 1998.

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

Gajanan V. Madiwal, *N.E.T. S.E.T. Paper-I*, Goa Meghana Chavan, Mauswada Pernem Goa, 1998.

4.21.10 Any other information:

Soniya R. Sirsat attended the 47th Orientation Programme organised by Academic Staff College, Goa University from 5.5.1998 to 1.6.1998. Co-scripted, directed & produced a street play in Konkani at Kala Academy, Panaji on 23.11.1997 "Hanv Ugiravchinna" for the workshop of Goa State Commission for Women.

4.22 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
& Management
Achut Pednekar, [M.Com.](#), Lecturer, Commerce
& Management
Sankaranarayanan K.G., [M.Com.](#), Lecturer,
Commerce & Management
Nayana Sail, [M.Com.](#), Lecturer, Accountancy
Nandini Kamat, M.Sc., Lecturer, Mathematics
Smita Potdar, M.A., Lecturer, Economics

Sherin Davangeri, M.A., Lecturer, English
Pravin 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

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

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

College Team (Men and Women) , Runners-up, Kabaddi Tournament

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

College Team, First Place, Group Singing Competition

Mast. Raya Thanekar, First Place, Rangoli Competition

Mast. Digambar Shetkar, Second Place, Clay Modelling Competition.

Admissions for the nonprofessional courses during the 199798

	B.A.			B.Sc.			B.Com.			Vocational.			Total
	F. Y.	S.Y.	T.Y.	F. Y.	S.Y.	T.Y.	F. Y.	S.Y.	T.Y.	F. Y.	S.Y.	T.Y.	
1.DHEM	162	130	91	143	110	116							752
2.CHOW	135	117	42	206	147	159				52	27	24	909
3.XAVI	214	175	208	226	146	184	147	121	125	20	18	20	1604
4.DEMP							352	211	243				806
5.CARM	151	100	95	60	57	63	81	33	53	20			713
6.MESC	150	86	114				244	102	135	49	45	52	977
7.DAMO							293	227	203	107			830
8.BAND	62	36		110	74		430	153	216				1081
9.GVMC							327	154	188				669
10.PESC	181	86	112	169	143	125							816
11.INSM				36									36
12.CESC		40	32					32	53				157
13.GSAN	88	87	74	109	81	70	156	62	64				791
14.GHOM				54	35	38							127
15.GKHA	59	41	32	103	92	63							390
16.GQUE	87	61	58	81	50	62	151	37	48				635
17.ROSA	113	42	42				147	11	28				383
18.SARA							164	87	67				318
19.AGNE	52	19	21				87	27	40				246
20.MALL	74	42	36				75	16	16				259
21.GPER	53	29	25				51	6	10				174
22.ZANT							155	76	43	27			301
Total	1581	1091	982	1297	935	880	2860	1355	1532	275	90	96	12974

(b) Professional Colleges

4.23 Goa College of Pharmacy, Panaji

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

R. V. Tamba , Ph.D., <i>Principal & Professor</i> , Pharm. Analysis.	R.V. Gaitonde , Ph.D., <i>Professor</i> , Pharmacognosy
S.S. Amonkar , M.Pharm., <i>Lecturer</i> , Pharma. Chemistry.	M.P. Bhoje , M.Pharm., <i>Lecturer</i> , Pharmacognosy
M.G. Pai , M.Pharm., <i>Assistant Professor</i> , Pharm. Chemistry	R.V. Keny , M.Pharm., <i>Assistant Professor</i> , Pharmaceutics
Anthony Menezes , M.Pharm., <i>Lecturer</i> , Pharm. Chemistry	S.D. Phadnis , M.Pharm., <i>Asst. Professor</i> , Pharmacology
Lilian Almeida , M.Pharm., <i>Assistant Professor</i> , Pharm. Chemistry	M.H.S. Godinho , M.Pharm., <i>Lecturer</i> , Pharmacology
Sardesai , M.Sc., <i>Lecturer</i> , Pharm. Chemistry.	R. S. Gude , M. Pharm., <i>Lecturer</i> , Pharmaceutics.
T. Raikar , M.Pharm., <i>Lecturer</i> , Pharm. Chemistry.	R. Shirodkar , M.Pharm., <i>Lecturer</i> , Pharmaceutics.
D.M. Shingal , M.Pharm., <i>Asst. Professor</i> , Pharmaceutical. Analysis	P. Bhide , M. Pharm., <i>Lecturer</i> , Pharmaceutics.
L. Silveira , M.Sc., <i>Lecturer</i> , Pharm. Chemistry	

4.23.5 Seminars/Conferences/Workshops, etc.

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

S. S. Amonkar, *Faculty Development Programme organised by College of Pharmaceutical Sciences.*

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

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

Shri Anant Shanbhaug, **1st Rank**, B. Pharm.

4.24 College of Engineering, Farmagudi.

4.24.1 List of Teaching Staff: (Name, Qualifications, Designation, Department)

Department of Mechanical Engineering	M.G. Kulkarni , M.Sc., <i>Lecturer</i>
R.L. Shanbhag , Ph.D., <i>Professor</i>	M.J. Sakhardande , BE., <i>Lecturer</i>
C.S. Hadimani , ME., <i>Asstt. Professor</i>	S.V. Ballsubramanian , M.E., <i>Lecturer</i>
A.D. Telang , M.Tech., <i>Asstt. Professor</i>	B.R. Kulkarni , ME., <i>Lecturer</i>
J.J. Goliwadekar , M.Tech., <i>Asstt. Prof</i>	George Easaw , M.E., <i>Lecturer</i>
A.A. Sidiqui , B.E., <i>Lecturer</i>	Rajesh Prabhu Gaonkar , M.E., <i>Lecturer</i>
U.J. Amonkar , ME., <i>Asstt. Prof</i>	B.S. Manohar Shankar , B.E., <i>Lecturer</i>
V. Mariappan , ME., <i>Lecturer</i>	U.M. Prabhudessai , M.Tech., <i>Workshop Supdt.</i>
	D.V. Shirodkar , ME., <i>Asstt Workshop Supdt.</i>

Department of Civil Engineering

A.M. Deshmukh, PhD, *Professor*.
S.V. Ramachandran, Ph.D., *Professor*
P.D. Pai, ME., *Asstt. Professor*
S.B. Sheldalkar, ME., *Ass. Professor*
P.R. Mutgi, ME., *Ass. Professor*
Chandrakant S. Gokhale, ME., *Asstt. Prof*
A.K.S. Bhandoria, M.E., *Asstt. Professor*
K.G. Guptha, ME., *Assn. Professor*
S.N. Betagiri, B.E., *Lecturer*
Sebastio Misquita, Ph.D., *Lecturer*
Ganesh Hegde, BE., *Lecturer*
Mrs. Wilma Fewrnanades, BE., *Lecturer*
Mrs. Shanti Balasubramaniam, ME., *Lecturer*
H.S. Parsonakumar, ME., *Lecturer*
Ms. Nisha Amonkar, ME., *Lecturer*
Purnanda Saviakar, ME., *Lecturer*
Vikas Chodankar, B.E., *Lecturer*
Mrs. Ujwala Phadke, M.Sc., *Lecturer*
A.A. Jalihal, M.Sc., *Lecturer*

Department of Computer Engineering

R.P. Adgaonkar, PhD, *Professor & Head*
J.A. Laximinarayana, ME., *Ass. Prof*

Ms. Maruska Mascaranhas, B.E., *Lecturer*
Nilesh Fal dessai, B.E., *Lecturer*
Ms. Geeta Varkey, B.E., *Lecturer*
S.A. Bakal, B.E., *Lecturer*
A.U. Bapat, BE., *Lecturer*

Department of Electrical Engineering

S.N. Lall, Ph.D., *Principal*
Smt. Jyotsna Kamal, M.E., *Asstt. Professor*
V.K. Joseph, M.E., *Asstt. Professor*
Smt. Jaimol Thomas, M.E., *Asstt. Professor*
S.P. Borkar, M.E., *Asstt. Professor*
G.R. Kuncolienkar, M.E., *Lecturer*
Smt. Krishna Kumari T, B.Tech., *Lecturer*
Smt. Chanda Pathak, *Lecturer(On study Leave)*
M.Srinivas Rayudu, M.Tech., *Lecturer*
Ms. Sangeeta Mahaddalkar, BE., *Lecturer*
Anant Naik, B.E., *Lecturer*
Smt. Sunitha Raikar, B.E., *Lecturer*
Ms. Pranali Kulkarni, B.E., *Lecturer*
Ms. Audrey Colaco, B.E., *Lecturer*
Smt. Philomena Rodrigues, M.A.(Eng.),
Lecturer
Anirdh S. Chari, M.Sc.(Physics), *Lecturer*

4.24.5 Seminars/Conferences/Workshops, etc.

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

R.O. Adgaonkar, *Workshop on internet*, NIO, Dona Paula
J.A. Laxminarayana, *Workshop on internet*, NIO, Dona Paula
Ms. Maruska Mascaranhas, *VLSI International Conference*, Dona Paula
Ms. Geeta Varkay, *VLSI International Conference*, Dona Paula
Paula

4.25 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*,
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

Kunda Anil Borde, M.Ed, *Lecturer*, Education
Vida Sequiera, 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
Suvama S. Gauns, M.Ed., *Lecturer*, Education
Diana D'Souza, M.Ed, *Lecturer*, Education

4.25.5 Seminars/Conferences/Workshops, etc.

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

Denzil Martins, Porvorim, 27.4.1998, "*Changing Perspectives of the School Computer Curriculum*", *Education 2000*.

Jennifer Fonseca, Bhopal, 23-27 June 1997, "*Development of Models for Pre-school Education for the State of Goa*".

Gil Alberto, Porvorim, 20.4.1998 and 21.4.1998, *Education in the 21st Century*.

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

Kunda Borde, *Educational Thoughts of Swami Vivekananda*, Mysore.

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

Gopal Pradhan, "*Comparative Inter and Intra Examiner Reliability between Marking and Grading*", **University News**, Vol.36, Pages 6-8, March 1998.

Sushant Pradhan, "*Attitude towards Open University System: A Comparative Study of Distance and Formal Learners*", **Journal of Educational Research and Extension**, Vol. 34, No. 1, July 1997.

Sushant Pradhan, "*Teacher Education in Goa*" **Year Book on Teacher Education**, Edited by S. B. Mohanty, Ashish Publications, New Delhi, 1998.

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

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

Mrs. Genevieve D'Souza, **1st Rank**, BEd.

4.25.10 **Any other information:**

Sushant K. Pradhan was awarded Ph.D. in Education, for his thesis entitled "*A Critical Inquiry into Academic Staff Orientation Scheme of U.G.C.*".

4.26 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.F.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

4.26.9 **Achievements** : (Ranks/Merits in the University Examinations/Sports Activities)
(a) **Academic:** (Name of Student, **Achievement** (i.e. rank etc.), Examinations)

Shri Vitesh Narayan Naik, **1st Rank**, B.F.A.(Painting).

Shri Shaikh Sarfraj, **1st Rank**, B.F.A.(Applied Art)

4.26.10 **Any other information:**

1. Students of the college organised a 3 day youth festival titled –fitanic Thrills 98', from 26th January 1998, blending the visual & performing arts with fun & entertainment.
2. The College celebrated its Silver Jubilee with the following programmes:
 - Annual Exhibition and get together.
 - Child Art Competition and Art exhibition
 - An exhibition of the past students work.
 - Annual Sports Day/Sports Awards function.
 - Symposium entitled "Creativity to Reality".

4.27 Mahadevrao Salgaocar College of Law, Panaji

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

M. Pinheiro, LL.M., *Principal*, Law

A.S. Kansar, LL.M., *Lecturer*, Law

M.R.K. Prasad, M.L., *Lecturer*, Law

Carmo D'Souza, PhD, *Lecturer*, Law

G. Shaber Ali, **M.L.**, *Lecturer*, Law

G.K. Tamba, LL.B., *Lecturer*, Law

Kim Couto, LL.B., *Lecturer*, Law

4.27.2 **Highlights of the research activities:**

The College carries on academic oriented research and investigation in recent developments in law and decisions of the Supreme Court and High Court more specifically, and the College takes part in various Law reforms related activities organized by Law Department of various Universities.

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

Mr. Dhairyasheel V. Patil, Bar Council of India, *'The Art of Cross Examination'*, 11.12.1997.

Justice A. A. Dessai, Bombay High Court, *'Recent Trends in Law and Justice'*, 24.1.1998.

4.28 V.V.M.'s Govind Ramnath Kare College of Law, Margao

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

A.S. Nadkarni, LL.M., *Principal*, Law

R.V. Kuncolienkar, LL.M., *Lecturer*, Law

C.J.F. Prasannakumar, LL.M., *Lecturer*, Law

T. Jacques, LL.B., *Lecturer*, Law

J.G. Prabhudesai, LL.M., *Lecturer*, Law

J. Antao, LL.B., *Lecturer*, Law

Sarojini Costa, LL.M., *Lecturer*, Law

C.A. Coutinho, LL.M., *Lecturer*, Law

Manoj Hede, M.P.Ed., *Director, Physical Education*,

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

Justice Y. V. Chandrachud, Former Chief Justice of India, *Legal System and Alternate dispute redressal*, 4th March 1998.

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

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

Da Silva Saba Mesquita, **1st Rank**, T.Y.LL.B.

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

Quadros Faraday, **Gold Medals**, Shot Put and Javelin Throw.

4.28.10 **Any other information:**

Da Silva Saba Mesquita was adjudged best "Student Advocate" at All India Moot Court Competition of Bar Council of India organised by V. M. Salgaoncar College, Miramar.

(29) Goa Dental College and Hospital, Bambolim

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

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

Aparna Batra, M.D.S., *Lecturer*, Prosthodontics

Acquaviva Fernandes, M.D.S., *Lecturer*,
Prosthodontics

Ivy Fernandes e Coutinho, B.D.S., *Lecturer*,
Prosthodontics

P.K. Chandra, M.D.S., *Professor*, Orthodontics

Anna Vaz, M.D.S., *Asstt. Professor*, 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., *Professor*, Pedodontics

Nandini Kamat, B.D.S., *Lecturer*, Pedodontics

Jyoti Rao, M.D.S., *Asstt. Professor*, Periodontics

James Samuel, M.D.S., *Lecturer*, 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

Francis Akkara, M.D.S., *Lecturer*, Oral Surgery

Shama Patil, M.D.S., *Lecturer*, Oral Medicine &
Radiology

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

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

Kum. Acharya Sapna Devadatta, **1st Rank**, B.D.S.

Kum. Acharya Sapna Devadatta, **1st Rank**, Periodontics.

4.30 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.*
Professor, Architecture

Ashish K. Rege, M.Planning (Housing), *Asstt.*
Professor, Architecture

Madhavi Dixit Navare, B. Arch (Housing), *Asstt.*
Professor, Architecture Lawrence

Rodrigues, G.D. Arch. , *Lecturer*,
Architecture

Zeenat Andani, B. Arch, *Lecturer*, Architecture

Roy D'Souza, B. Arch, *Lecturer*, Architecture

Sanjay Belurkar, B. Arch, *Lecturer*, Architecture

Salvin T. Goes Dias, B. Arch., *Lecturer*,
Architecture

4.30.2.. Highlights of the research activities of the College:

Ashish K. Rege: 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: Undergoing M.Arch by research at Bombay University in Sir J.J. College of Architecture, Bombay on Eco-Development Planning of Mining Areas in Sanguem Taluka of Goa.

A. R. A. Antao: Undertaking a research on Do's and Don'ts in building local houses.

Lawrence Rodrigues: Undertaking a research on Low Cost Housing.

4.30.5 Seminars/Conferences/Workshops, etc.

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

Cho Padamsee, Zurich, Switzerland, 6-10 April 1998 *Cultural Diversity and Space*.

4.30.7 Consultancy Work Undertaken:

Ashish K. Rege designed WWF Centre at Miramar, Panaji Goa.

4.30.10 Any other information:

Ashish K. Rege, visited Portugal for research purposes, funded by the Fundecao Oriente in the month of May & June 1998.

4.31 Goa College of Music, Panaji

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

Kamalakar Naik, *M.Music, Principal*.

S.S. Karandikar, *M.Music, Lecturer, Vocal*

Manab Das, *M.Music, Lecturer, Sitar*

H.V. Burli, *D.Music, Lecturer, Vocal*

Ulhas Velingkar, *M.Music, Lecturer, Tabla*

Prabhakar Chari, Traditional Professional Musician, *Lecturer, Tabla*

4.31.5 Seminars/Conferences/Workshops, etc.

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

Workshop on South Indian Music, 23.2.1998, Govt. of Goa., Goa College of Music, Campal, Panaji Goa.

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

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

Mandahas V. Salgaonkar, **1st Rank**, Vocal

4.32 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),In structor

Shashilata Jadav, B.Sc.(N

4.33 Goa Ponda

Vidyaprasarak Mandal's College of Education,

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 J. Pinto, M.Ed, *Lecturer*, Education

Jojen Mathew, Ph.D., *Lecturer*, Education

Joaquim Godinho, M.Ed., *Lecturer*, Education

Anna George, M.Ed, *Lecturer*, Education

Shubhangui Jumde, M.Ed, *Lecturer*, Education

Sunil Kumar, M.Ed, *Lecturer*, Education

G.C. Naik, M.Phil., *Lecturer*, Education

M. S. Suku Saji, M.Ed., *Lecturer*, Education

4.33.5 Seminars/Conferences/Workshops, etc.

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

XXXI Annual Conference of Indian Association of Teacher Educators, 28th to 30th December 1997, Self G.V.M.'s College of Education.

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

Louis Vernal, State Institute of Education Porvorim, 20-21 April 1998, *Thinking and Technology in Education.*

Allan Abreo, and Ganesh Chandra Naik, Bandora (Ponda) XXXI Annual Conference of I.A.T.E. 28-30 December 1997, *Student Teaching Programme G.V.M.'s College of Edu.Ponda - Its Problem and Possibilities.*

Jojen Mathew, Bandora (Ponda) XXXI Annual Conference of I.A.T.E. 29-30 December 1997, *Teacher Effectiveness and Pupil Achievement in different types of Schools.*

Anna Neena George, Sunil Kumar, and Shri Joaquim Godinho, Bandora (Ponda) VOCI Annual Conference of I.A.T.E. 29-30 December 1997, *Secondary School Teacher Education Curriculum its Transaction vis-a-vis its purpose.*

(b) (ii) **Attended Workshops:** (Name of Teacher, *Theme of Workshop*, Place, Date) Louis Vernal, *Orientation Programme for Teachers Trainees*, Bangalore, 9-11 March 1998. Louis Vernal, *International Course on Study Planning and Development, Jerusalem*, Israel, 11-15 December, 1997.
 Paily M.U. *Programme of the Institute of an integrated approach to knowledge and Information*, Bangalore, 6th October to 12th November 1997.
 Sebastian J. Pinto, *Orientation Programme for Teachers Trainees*, Bangalore 9 " 11, March 1998.

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

Louis Vernal, *Training of Teachers in Multi grade Teaching*, **Innovations and Researches**, State Institute of Education, Porvorim Goa, January 1998.

4.34 Gomantak Ayurveda Mahavidyalaya & Research Centre, Shiroda.

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

B.V. Sathaye, Ph.D., *Principal*, Sharir ICriya.
Aruna Bale, B.A.M.S., *Lecturer*, Sharir ICriya,
 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 Vilcruti
 Vidnyan

Anil Pansa, M.D., *Lecturer*, Kayachikitsa
Madhavilata Dixit, M.D., *Lecturer*,
 Swasthavrutta

Somnath Ilebli, B.A.M.S., *Lecturer*, Sharir Kriya
Josna Aigal, B.A.M.S., *Lecturer*, Samhita.

Deepali Naik, B.A.M.S., *Lecturer*, Agadtantra

Mrudula Joshi, M.D., *Lecturer*, Sharir
 Kriya, Sanscrit

Savita Naik, B.A.M.S., *Lecturer*, Balrog
Shrinivas Gujjarwar, M.D., *Lecturer*,
 Shalyatantra

Vidula Garud, M.D., *Lecturer*, Rognidan Vikruti
 Vidnyan

Deelipkumar, M.D., *Lecturer*, Rasashastra
Deepali Pansa, B.A.M.S., *Lecturer*, Streerog

Sampat Bhatane, M.D., *Lecturer*, Shalaky
Prashant Sangekar, B.A.M.S., *Lecturer*, Sharir
 Rachana

Sadashiv Tengse, Kavyateertha, Lecturer,
 Sanskrit

Reshma Sangekar, B.A.M.S., *Lecturer*,
 Dravyaguna

Madhavi Suradkar, M.D., *Lecturer*,
 Kayachikitsa

4.34.3 **List of Visiting Scholars:** (Name of Scholar, Institutional Affiliation, *Title of Lecture*, Date)

Dr. Avinash Lele, Pune, *Shalya Tantra*, 8.8.97 to 10.8.97.

Dr. Gogate, Pune, *Shalya Tantra*, 25.8.97 to 27.8.97.

Dr. Londe, Pune, *Stree-rog and Prasuti tantra*, 25.3.98 to 26.3.98.

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

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

B.V. Sathaye, G.U., Taleigao, 18.4.1998, (/) *Ayurvedic Perspective of exercise* (2) *Health rationale of Yoga procedures.*

B.V. Sathaye, Dombivali, 29.3.1998, *Maharashtra Vaidya Sammellan Dravyaguna.*

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

Upendra Dixit, *Increasing pragmatism in Ayurveda*, Madhujivan Mumbai, 1997.

4.34.10 **Any other information**

B.V. Sathaye has been awarded Hon. Fellow of *International Academy of Afternative Medicine*, Pune.

4.35 Goa Medical College & Hospital, Bambolim

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

M. N. Pal, M. D., *Dean*

Department of Anatomy

A.V. Mainker, M.S., *Professor & Head*
Meenakshi V. Bargi, M.S., *Associate Professor*
Aroona A. Nagarsenkar, M.S., *Asstt. Professor*
Prashant E. Natekar, M.S., *Asstt. Professor*
Usha P. Bhate, M.S., *Lecturer*
Prakash R. Pai, M.S., *Lecturer*
M. P. Dias, M.S., *Asstt. Lecturer*
Rajani N. Dubhashi, M.S., *Asstt. Lecturer*
Deepa H. Kamat, M.B.,B.S., *Asstt. Lecturer*
Uday Kudalkar, M.B.,B.S., *Asstt. Lecturer*
Nilam D. Masoji, M.B.,B.S., *Asstt. Lecturer*

Department of Physiology

Abraham, M.D., *Professor & Head*
A.S.Borker, M.D., *Associate Professor*
F.Monteiro, M.D., *Asstt. Professor*
Anne Noronha, M.D., *Lecturer*
S.D.Sahakari, M.D., *Lecturer*
M.D.Nagvekar, M.D., *Lecturer*
J.P.Pednekar, M.D., *Asstt Lecturer*
S.R.Sardesai, M.D., *Asstt. Lecturer*
S.S.Audi, M.B.B.S., *Asstt. Lecturer*

Department of Biochemistry

Shanti Pamnani, M.D., *Professor & Head*
Asha A. Naik, M.D., *Asstt. Professor*
P.P. Nadkarni, M.D., *Asstt. Professor*
Tanuja Kamat, M.D., *Asstt. Lecturer*
Chitra Dhume, M.D., *Asstt. Lecturer*
Manisha Audi, M.D., *Asstt. Lecturer*

Department of Pharmacology

V.G. Dhume, M.D., *Professor & Head*
R.S. Diniz D'Souza, M.D., *Associate Professor*
S.S. Hede, M.D., *Asstt. Professor*
J.S.C. Pereira, M.D., *Lecturer*
S.A. Bhounsule, M.D., *Lecturer*

Deline Menezes, M.D., *Asstt. Lecturer*
Sangeeta Amonkar, M.D., *Asstt. Lecturer*
Sachin Palyekar, M.B.B.S., *Asstt. Lecturer*
Domnic J. Lobo, M.D., *Asstt. Lecturer*

Seeta Pai Raiturkar, M.B.B.S., *Asstt. Lecturer*

Department of Microbiology

M.P. Verenkar, M.D., *Professor & Head*
Savio Rodrigues, M.D., *Associate Professor*
Neena Kharangate, M.D., *Lecturer*
Venkatesh Naik, M.D., *Lecturer*
Maria J.W. Pinto, M.D., *Lecturer*
Padamjit N. Singh, M.D., *Asstt. Lecturer*
Ramona D'Souza, M.D., *Asstt. Lecturer*
Gurleep Kaur, M.D., *Asstt Lecturer*
Sandhya Estibeiro, M.B.B.S., *Assn. Lecturer*

Department of Forensic Medicine

B.N. Reddy, M.D., *Professor & Head*
S.D. Sapeco, M.D., *Asstt. Professor*
E.J. Rodrigues, M.D., *Lecturer*
A.V. Fernandes, M.B., B.S, *Asstt. Lecturer*

Department of Preventive and Social Medicine

D.D. Motghare, M.D., *Professor & Head*
A.M. Ferreira, M.D., *Asstt. Professor*
K. Quenim, M.D., *Epidemiologist*
J.A. Cacodkar, M.D., *Lecturer*
V.D'Souza, MA., *Lecturer Health Education*
M.S. Kulkarni, M.Sc., *Lecturer*

Department of Medicine

C.P. Kapoor, M.D., *Professor & Head*
N.G. Dubhashi, M.D., *Associate Professor*
L. Kamat, M.D., *Associate Professor*
S.Y. Natekar, M.D., *Asstt. Professor*
E. Gomes, M.D., *Asstt. Professor*

P.N. Bhandare, M.D., *Asstt. Lecturer*
P.V. Rataboki, M.D., *Assn. Lecturer*
Sunita B. De Sa, M.D., *Asstt. Lecturer*

Department of Pathology

Nisha S. Nadkarni, M.D., *Professor & Head*
R.G.W. Pinto, M.D., *Associate Professor*
M.V. Mallya, M.D., *Assn. Professor*
Avril Dias, M.D., *Lecturer*
Francisco F.D. Couto, M.D., *Lecturer*
Pramila Souza Rocha, M.D., *Asstt. Lecturer*
Suresh R.S. Mandrekar, M.D., *Asstt. Lecturer*
Sanjyot A. Nadkarni, M.D., *Asstt. Lecturer*

Department of Radiology

Mahesh G. Sardesai, M.D., *Professor & Head*
Jeevan A. Vernekar, M.D., *Associate Professor*
Sanjay Sardesai, M.D., *Lecturer*
Renny Furtado, M.D., *Lecturer*
A.K. Pandey, M.D., *Lecturer*
Almeida, M.D., *Lecturer*

Department of Skin & V. D.

V.L. Rege, M.D., *Proessor & Head*
M.F. M. Miranda, D.D.V., *Asstt. Professor*
Pankaj Shulda, M.D., *Lecturer*

Department of Surgery

Vasco D'Silva, M.S., *Professor & Head*
Oswald D'Sa, M.S., *Associate Professor*
A.N. Jadhav, M.S., *Associate Professor*
D.P. Amonkar, M.S., *Asstt. Professor*
F.P. Noronha, M.S., *Asstt. Professor*
Jude Rodrigues, M.S., *Lecturer*
Rajesh T. Patil, MS, *Lecturer*

Department of Orthopedics

U.G. Nachinocar, M.S., *Professor & Head*
C. Baretto, M.S., *Associate Professor*
S.M. Bandekar, M.S., *Asstt. Professor*
Z. D'Mello, M.S., *Lecturer*

0. Rebello, M.D., *Lecturer*

A. Khandeparkar, M.D., *Lecturer*
J.P. Tiwari, D.M. (Nephrology), *Asso. Prof*

Department of T. B. & Chest Diseases

A.M. Mesquita, M.D., *Professor*
Durga J. Lawande, M.D., *Associate Professor*
A.L. Da Costa, M.D., *Asstt. Professor*
Uday C. Kakodkar, M.D., *Lecturer*
Lalita Fernandes, M.D., *Lecturer*

Department of E. N. T.

C.P. Das, M.S., *Professor & Head*
H.C. Goel, M.S., *Associate Professor*
Sandesh Chodankar, M.S., *Asstt. Prof*

Department of Optalmology

Pradeep G. Naik, M.S., *Professor & Head*
Ugam P.S. Usgaonkar, M.S., *Assn. Professor*
Vivek Naik, M.S., *Lecturter*

Department of Anaesthesiology

Marilyn P. Nazareth, M.D., *Professor & Head*
Dalia D. Bhandare, M.D., *Associate Professor*
Sitaram V. Korgaonkar, M.D., *Asstt. Prof*
Shaila Kamat, M.D., *Asstt. Professor*
Shirley A. D'Souza, M. D. , *Lecturer*
Yvonne Menezes, M.D., *Lecturer*
Leena God, M.D., *Registrar*

Department of Gynaecology

Prasad Neurenkar, M.D., *Assoc. Prof & Head*
Milan Bhandare, M.D., *Associate Professor*
Anjali Kamat, M.D., *Asstt. Professor*
Savita Chandra, M.D., *Asstt. Professor*
Guru Prasad Pednekar, M.D., *Lecturer*
Manjusha Jindal, M.D., *Lecturer*

Department of Neurology

V.N. Jindal, M.S., *Professor & Head*
Ponraj K. Sundaram, M.Ch., *Asstt. Professor*
Farook Sayed Ahamed, D.N.B., *Lecturer*

4.35.2.. Highlights of research activities:

Effect of smoking and alcohol on total RBC count platelet count and differential WBC count in rats.

Effect of isometric contraction on blood pressure in subjects with and without family history of hypertension using a hand grip dynamometer

Effect of light/darkness on rats reproductive cycles ;reproduction and effects on offsprings.

Effect on stress on 1st year medical students

Effect of Tulsi on reproductive behavior in female rats, litter size, survival of litters period of Gestation.

Effect of amygdoloid lesion on body weight and food and fluid intake in male rats.

Elucidation of thyroid status & biochemical profile of these subjects.

Marine Pharmacology: The Department is one of the centres of the national Project 'Development of Potential Drugs from the Ocean' funded by Department of Ocean Development, Govt. of India, New Delhi During the year 108 samples were screened for their effect on cardiac and smooth

muscles of guinea pigs.

Gastric cytoprotection: Therapeutic Drug Monitoring of antiepileptic drugs was continued. So also Adverse Drug Reaction Monitoring was carried out.

Clinicopathological study of soft tissue tumours

Clinicopathological study of bone tumours

Clinicopathological study of oral & Oropharyngeal Cancers

Clinico Histopathological Study of Psoriasis

Dermatosis in pown factory workers

Acute Normovolemic Haemodilution to prevent single unit transfusion: Under Guidance of Dr. Marilyn P. Nazareth, Prof. & Head, Dept. of Anaesthesiology

Propofol - As an induction agent for minor Surgery. Under Guidance of Dr. Marilyn P. Nazareth, Prof. & Head & Dr. Shirley D'Souza, Lecturer.

A comparative study of two solutions for sterilisation of equipment in I.C.U., under guidance of Dr. R.N. Shetti Retires Professor & Head, Dept. of Anaesthesiology

Effect of Oral Clonidine as a Premedicant and its attenuation of stress response during Laryngoscopy & Intubation under guidance of Dr. Dalia D. Bhandare, Assoc. Professor, Dept. of Anaesthesiology

Midazolam - As a sedation for Endoscopy under guidance of Dr. Marilyn P. Nazareth, Prof. & Head, Dept. of Anaesthesiology.

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

Dr. U.S. Vengasarkar, Sir H.N. Hospital, Mumbai, *Trigeminal Neuralgia*, 22nd March, 98.

4.35.5 Seminars/Conferences/Workshops, etc.

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

Update on *Quinolones*, 9.4.1997, Hoechst Marion Rouse4Department of Surgery

Live Surgery working on "Non Phako small incision Cataract surgery, 20.2.1998, G.M.C., Department of Ophthalmology

IIrd Goa State Ophthalmological Conference, 21st & 22nd Feb., 1998, Goa Ophthalmological Association, Department of Ophthalmology

III National up-date on Allergy, Asthma, Immunology, 6th to 8th March 1998, Department of T.B. & Chest Diseases.

Live-surgery workshop on "Non Phako" small incision cataract surgery, 20th February 1998, Department of Ophthalmology.

III Goa State Ophthalmological Conference, 21-22, February 1998, Goa Ophthalmological Association, Department of Ophthalmology.

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

S.R. Sardesai, King George Medical College, Lucknow, 27.12.1997, *Prevalence of overweight and obesity in Fertilizer Industry Workers getting subsidised food.*

Chitra Dhume, Belgaum, AMBI, 2,3 & 4 Oct., 1998, *Biochemical profile of Malaria, Goa Medical College, Goa*

V.G. Dhume, *Recent trends in coagulation and thrombosis*, Govt. Medical College, Calicut, 7.12.1997, *Pharmacology of anti-coagulents.*

D.D. Mothare, Goa, 22.02.1998, *Epidemiology of Ocular Trauma in Goa*

Uday C. Kakodkar, *hire National Update on Allergy, Asthma & Immunology*, Goa, 6-8 March, 1998, *Study of Allergen prevalence in cases of bronchial asthma in Goa*

A.N. Jadhav & D.P. Amonker, *ASICON Conference*, Bangalore, Dec., 1997,

Dalia D. Bhandare, *International conference on Critical cases/Trauma* Balganlore, 10 & 12th Oct.'97., *Ketantine- As oral Premedicant for Paediatric Surgery.*

Sitaram V. Korgaonkar,, Pune, 16th to 18th Oct.'97, *Chronic Bronchitis in exacerbation and Emergency Lparotomy. - Anaesthetic Management.*

Marilyn P. Nazareth, *Annual I.S.A. Conference*, New Delhi, 26th & 30th Dec.,1997, *APACHE - Scoring system*.

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

Kane, *CME in Ovarian Tumours*, Bombay T.M.H, 17-18th Oct.1997

D. Motghare, *Acute Flaccid Paralysis*, Ahmedabad, 21 & 22 Oct.,1997

M.S. Kulkarni, *Statistical Software*, CMC Vellore, 16 June-4 July'97

Pankaj Shukla, *22nd National Conference of Indian Association (IASSTU & AIDS)*, Mumbai, 6-8, March, 1998

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

V.J. Monteiro and M.P. Dias, *Morphogeneik Mechanism in the Development of Ethmoidal Sinuses*, **Anatomical Record**, 249 Pg. 96-102, 1997

P.E. Natekar, P.Shukla, S. Priolkar, A.V. Mainkar, *Axial Triradivis in Leprosy*, **Journal Of Anatomical Society Of India**, 45(2) pg. 105-109, 1996 Vol Published in 1997

Pramila De Souza, Rocha Nisha & S. Nadkarni, *Fine needle Asperatiott Biopsis of the Breast lesions and its Histopathological correlation*, **Acta Cytologica**, 41, 705, May-June 1997

N.S. Nadkarni, A.S. Dias & P.R. Nevrekar, *Hidrodenoma papilli-fertim*, **Journal Of Applied Medicine**, 22, 7, June 1997

S. Mandrekar, R.G.W. Pinto & N.S. Nadkarni, *Solid & Papillary eipthelial neoplasm of the pancreas report of a case with diagnosis by the Fine needle aspiration Cytology*, **Acta Cytologica**, 41, 1823-1827, 1997

N.S. Nadkarni, M.V. Mallya, A.S. Dias, R.G. Pinto et al, *Infantile Myofibronzatosis*, **Applied Medicine**, 9, 1997

N.S. Nadkarni, F.D. Couto et al, *Inflanzator y fibroid Polip*, **Applied Medicine**, 24, 1998

N.S. Nadkarni, S.R. Mandrekar, M.V. Mallya & U.G. Nachinolkar, *Fungal Osteomyelitis*, **Applied Medicine**, 2, 1998

S. Borkar, M.J.W. Pinto, P. Naik & M.P. Verenkar, *A Study of Mycotic Keratitis in Goa*, **Indian Journal Of Medical Microbiology**, April 1998

D.D. Motghare, *Evaluation of Hearing Handicap in Textile Mill Employees with nosie induced Hearing loss*, **Ind. Jour Of Otolaryngology & Head Neck Surgery**, Vol 49 No. 2, April-June 1997

D.D. Motghare, *Low Birth Weight and Associated Maternal factors in an Urban Area*, **Indian Paediatrics**, Vol. 35, January'98

P.V.Rataboli, A. G. Kunkolienkar, R. S. Diniz D'Souza & V. G. Dhume, *An Unusual craving for sweets following gastrinone therapy*, **Obst. & Gynaec. Today**, 2-5, 59-60, 1997.

P.V.Rataboli, V. R. Naik, A. G. Kunkolienkar, R. S. Diniz D'Souza & V. G. Dhume, *Use of diphenylhydantoin in prophylaxis of post-traumatic seizures - are serum concentration reliable?*, **Indian Practitioner**, 50-12, 1027-1029, 1997.

P.V.Rataboli, P. N. Bhandare, A. G. Kunkolienkar, R. S. Diniz DSouza & V. G. Dhume, *Drugs and unborn child*, **Obst. & Gynaec. Today**, 111-3, 173-179, 1998.

P.V.Rataboli, V. R. Naik, A. G. Kunkolienkar, R. S. Diniz D'Souza & V. G. Dhume, *A study of serum concentrations, adverse effects and clinical response during polytherapy with diphenyldantoin, phenobarbitone and carbonazepine in epileptic patients*, **Neurosciences Today**, 11122, 46-50, 1998.

P.V.Rataboli, R. S. Diniz DSouza & V. G. Dhume, *Gestrinone*, **Obst. & Gynaec. Today**, 1998.

R. S. Diniz D'Souza, P. N. Bhandare, N. Fernandes, S. Wahidulla and L. D'Souza, *Antispasmodic action of 5-methyl benzoxazoline-z-one: A preliminary study*, **Indian Journal of Pharmac.**, 29, (5), 327-328, 1997.

A.M. Mesquita, *Laryngeal TB presenting as Stridor*, **Ind.J. Tub.** 44, 93-94, 1997

A.M. Mesquita, *Bronchoscopy in Respiratory Tract Infections*, **Ind.J.Bronchol & Allied Scl**, 1(1), 6-8, 1997

A.M. Mesquita, *Pulmonary TB and Diabetes*, **Jpil**, 45(10),774-776, 1997

A.L. Da Costa, *Primary Tuberculosis of Larynx (CR)*, **Ind J. Tub**, 44,211, 1997

4.35.9 **Any other information:**

(b) **Fellowships/Visiting Professorships:**

Dr. Jude Rodrigues was conferred upon the Fellowship of College of Surgeons.

4.36 Padre Conceicao College of Engineering, Verna.

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

Fr. P.M. Rodrigues, Director
J. Afonso, B.E. (MMS), Principal I/C
Dayanand Pal, ME., Lecturer
C.V. Pujari, B.E., Lecturer
Suraj Rane, B.E., Lecturer
Geetalalshmi K., M.Tech., Lecturer
Joganath Hirkunde, B.E., Lecturer
Joseph Pereira, B.E., Lecturer
Supriya Patil, B.E., Lecturer

Manisha Crasto, B.E., Lecturer
Lucy Godino, B.E., Lecturer
Ashwini Kenkre, B.E., Lecturer
Anjana Sharma, B.E., Lecturer
Stephen D. Barreto, M.Sc., Lecturer
Adarsh Handa, M.Sc., Lecturer
Vikas V. Bhujle, M.Sc., Lecturer
Cynthia Noronha e Pereira, M.Sc., Lecturer

Admissions for Professional Courses

	U.G. 1st Y.	2nd Y.	3rd Y.	4th Y.	5th Y.	P.G. 1st Y.	2nd Y.	Total
23.GPHA(B.Pharm.)	42	36	36	27				141
24.GENG(B.E. & M.E.)	163	178	168	153		13		675
25.NIRM(B.Ed.& M. Ed.)	97					11	3	111
26.GART(B.F.A.)	41	49	40	45	36			211
27.SALG(L.L.B)	492	162	134					788
28.KARE(L.L.B)	174	33	24					231
29.GDEN(B.D.S)	35	33	32	34				134
30.GARC(B.Arch.)	34	43	36	37	37			187
31.GMUS(B.A.)	6	2	4	14	13			39
32.NURS(B.Sc. Nursing)	10							10
33.EDUC(B.Ed.)	100							100
34.AYUR(B.A.M.S)*	40	40	36					116
35.GMED(M.B.B.S)* (MD/MS/DMRD/DVD/DCH/DPM/) (M.Sc.Biochemistry)	77	81	147			23		305
36.PCON(B.E.)	175					6		6
	1488	479	489	157	86	53	3	3252

* M.B.B.S./B.A.M.S.consists of three examinations at the end of three terms each.

PART 5: RECOGNIZED INSTITUTIONS

5.0 List of Reognized Institutions:

1. Xavier's Centre Of Historical Research, Alto Porvorim
2. Vidya Vikas Mandal's Institute Of Management Training & Research, Margao
3. Institute Of Psychiatry & Human Behavior, 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, Miramar.
8. National Institute of Oceanography, Dona Paula

5.1 Xavier' Centre Of _____ Historical Research, Alto Porvorim.

5.1.1 List of Teaching Staff: (Name, Qualifications, Designation)

Charles J. Borges, Ph. D., *Director*
Cajetan Coelho, M.A., *Administrator*

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, " *Quincentenary Conference on Vasco da Gama and 500 years of East-West Encounter, La Trobe University (Melbourne) & Curtin University, Perth Australia, 21-29 June 1997, "How true? The "Discovered India" as reflected through the eyes of Catholic Missionaries into Europe in the 16th century"*

Charles J. Borges, "*Vasco da Gama and Thdia*", Sorbonne, Paris, May 11-13, 1998 "*Religious Orers in Portuguese India 1622-1961*".

Charles J. Borges, "*Europe and South Asia 500 years,*" Cochin & Calicut, May 16-20, 1998, "*Christian Life during Portuguese Colonial Times*"

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

Charles Borges, "*Lasting Cultural Legacy:The role of the Society of Jesus in Reforming Goan Society' in Portugal and Goa, Their Cultural Links, New Delhi, Concept Publishing Company, pp.52-64, 1997*

Charles Borges, "*Christian Life in Goa during Colonial times*", **Jnanadeepa, Pune, Journal of Religious Studies, Vol. 1, No. 2, pp, July 1998**

Charles Borges, "*Book review of India and the West: the first encounters, Jivan, p.28, September-October 1998.*

5.1.6(b) Books: (Name,tit/e,publisher,year)

Charles J. Borges,Goa *and Portugal: Their Cultural Links*, eds. Charles J. Borges & Helmut Feldmann, New Delhi:Concept, 1997.

5.1.9 Any other information:

(b) Fellowships/Visiting Professorship,etc.

Charles J. Borges was the holder of John Early Chair in History (Loyala College in Maryland, Baltimore, USA, 1997)

5.2 Vidya Vikas Mandal's Institute Of Management Training & Research, Margao

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

A.Suresh Rao, LL.B., Director

A.S.Nadkarni, L.L.M., Associate Faculty

Rodney D'Silva, M.M.S., Associate Faculty

K. B. Rao, M. A., Associate Faculty

Santosh Virnodkar, M.Com., 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

5.2.5 Seminar/Conferences/VWorkshops,etc.

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

Leadership in Police, 18th August to 23rd August 1997, Ministry of Home Affairs, Government of India, Bureau of Police Research & Development, New Delhi.

Costal Eco-System Management, 22nd to 26th September 1997, Ministry of Environment & Forests, Govt. of India, New Delhi

5.3 Institute Of Psychiatry & Human Behavior,

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:

The research activities in the IPHB includes preparation of thesis as a requirement for the M.D.(Psychiatry), besides this other research activity by the various faculty members Person Psychiatry and Clinical Psychiatry Collaboration research project are also taken up with a GMC ad Dental College.

5.3.5 Seminar/Conferences/VWorkshops,etc.

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

Dr. J.M. Fernandes,Go/den *Jubilee Annual National Conference of Indian Psychiatric Society and Regional Meeting of World Psychiatric association at Psychiatric Centre, SMS Medical College, Jaipur, 4-8 January 1998, "Open rial of Zuclophenixol Acetate in Acute Psychosis-A Multicentered Study"*

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

Dr. J.M. Fernandes, *W.H.O. Workshop on implementation of District Mental Health Programme under National Mental Health Programme, Bangalore, 12-13 September, 1997.*

5.3.6 (a) **Publications (Research Articles)** (Name of teacher,Tide,Journal,Volume,Month/year)

Dr. J.M. Fernanees,Common *mental disorders at a rural health Centre in Goa, 1998.*

5.4 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 Industrial Health, Post Graduate Diploma in Environmental Pollution Control Technology and non academic courses like Diploma in Industrial Safety, First Aid, Industrial Safety etc.

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

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

Safety Management,3-4 July,1997, 17-18 July, 1997, 30-31 July,1997, Institute of Safety, Occupational Health and Environment

Ergonomics & Occupational Health,5-7 August, 1997, Institute of Safety, Occupational Health and Environment

Safety Management,6-7 August, 1997, 21-22 Aug.,1997, Institute of Safety, Occupational Health and Environment

Occupational & Indl Health,9-10 Oct.,1997, Institute of Safety, Occupational Health and Environment

Conciliation Skills,20-24 Oct.,1997 Institute of Safety, Occupational Health and Environment

Management of Hazardous Waste, 11-13 Nov, 1997, Institute of Safety, Occupational Health and Environment

Making the Enterprise more efficient and a better place to work,2-11 March, 1998, Institute of Safety, Occupational Health and Environment

5.5 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.

Isolation, characterisation, identification, culture and testing of Bacilli pathogenic to mosquitoes in Goa

Role of larvivorous fishes in the control of An Stephensi in the wells

Resting behaviour of Anopheles stephensi in Goa

Sero epidemiological studies on Malaria

Malaria survey among construction labour community

5.5.5 Seminar/Conferences/VWorkshops,etc

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

Dr. Ashwani Kumar, *Zoonotic Parasites-Their Diagnosis and Control*, Bangalore, *Zoonotic Malaria. Its perspective and Magnitude.*

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. Sumodan, *Dynanzics and Control of Anopheles stephensi Liston 1901 transmitted malaria in Goa, India, Proceedings of the Second Symposium on Vectors and Vector borne disease. pp 176-78, 1997*

Ashwani Kumar, *Urban Malaria and its control in Mdia, Journal Parasitic Diseases 21, 1997*

5.5.8 Any other information:

Dr. Ashwani Kumar awarded the "Outstanding Young Person of India" award by Indian Junior Chamber for his outstanding contribution in the field of malariology.

5.7 Goa Institute of Management LCaranzalem.

5.7.1 List of Teaching Staff: (Name, Qualifications, Designation)

G. B. Gaitonde, P.G.D.B.A.(IIMA), *Director.*

Institution	Admissions in Recognised Institutions						Total
	D.A.M.	D.B.M.	DPM	M.D.	PGDPCT	DOIH	
2. IMTR	27	25					52
3. IPHB				1			1
4. ISO					21	11	32
7. GIMS	30	30					60
Total	57	55		1	21	11	145

PART 6: FINANCIAL STATEMENT

6.1 Grants:

6.1.1 Grants from the State Government

Maintenance and development grants from Govt. of Goa Rs.4,53,30,000.00

6.1.2 Grants from University Grants Commission

I. Academic Staff College	Rs. 28,26,666.00
2. Library Books & Journals	Rs. 06,00,000.00
3. Laboratory Equipment	Rs. 12,70,000.00
4. Construction of Building for CLAS	Rs. 04,00,000.00
5. Setting up of Central Computing facility	Rs. 02,00,000.00
6. Financial Assistance for writing of University level books	Rs. 00,05,000.00
7. Research Grants to Dr. O.J.F. Gomes, Dept of Konkani	Rs. 00,25,000.00
8. Grants for Organising S. Radhakrishnan Memorial Lecture	Rs. 00,05,000.00

6.1.3 Central Government Departments and other agencies:

1.	Council of Scientific & Industrial Research	Studies on Legumes of Goa - Dr. B.F. Rodrigues	Rs.00, 62,600.00
		Study of the Electrical & Magnetic Properties of Nicke Arsenide type Transition Metal Chalcogenides - Dr. R.B. Prabhu, Dept of Physics	Rs.00, 03,878.00
2.	Department of Ocean Development, New Delhi	Ocean Science & Technology cell on Marine Microbiology at Goa University - Dr. S. Mavinkurve, Dept of Microbiology	Rs. 02,50,000.00
		Manpower Development Associatship/Fellow under the leadership of Dr. Mavinkurve	Rs.00,38,500.00
3.	Dept of Science & Technology, New Delhi	Petrology of Xenolith bearing alkaline dyke swam n associated with Deccan volcanism, South of Bombay - Dr. A.G. Dessai, Dept of Geology	Rs. 00,23,281.00
		Research Project - Sedimentology, Microfacies & Middle Jurassic sequence of kutch - Dr. Kotha Mehender, Geology Dept.	Rs .00,60,000.00
		Geochemistry of the Joida Ultramafic Complex Uttar Kannada District, Karnataka - Dr. T.A. Vishwanatha, Dept. of Geology	Rs. 02,10,000.00
		Role of Platlet activating factor in Neurodegeneration of DNS - Dr. P.V. Dessai, Dept. of Zoology	Rs.09,00,000.00
		Rapid Isolation, Maximum recovery, Documentation & Screening of Fungi from Aquatic, coprophylcus, Endophytic, Litter & soil Hanitats in Goa State - Dr. D.J. Bhat, Dept. of Botany	Rs.07,50,000.00
		Petrology of Mantle xenoliths in alkaline dykes associated with Deccan Magnatism - Dr. A.G. Dessai, Dept. of Geology	Rs.06,00,000.00
		Monitoring & evaluation of the dispersal & persistence of genetically engineered DNA sequences & Organisms in selected	Rs. 11,04,000.00

		microcosms & natural marine eco systems - Dr. U.M.X. Sangodkar, Dept. of Biotechnology	
		Ultra structure of transport pathways in rice carry oopsis during filling - Dr. S. Krishanan	Rs. 01,75,000.00
4.	Dept. of,Bio-Technology	Post Graduation course in Marine Biotechnology	Rs.07,10,000.00
		Strengthening of training & Research in Microbiology	Rs. 22,30,000.00
5	Department of Atomic Energy, National Board of Higher Mathematics	Library books & Journals	Rs. 01,25,000.00
6.	Inter University Consortium, Ind ore	Newtron Scattering study of rare earth kondo system - Dr. R.B. Prabhu	Rs. 00,39,739.00
		Structural studies of glasses using Newtrons - Dr. J.A.E.D'Sa	Rs. 00,28,259.00
		Research Project - Structural aspect of Fe 2o3, qualifying H+ in octahedral sites of spinal - Fe2o3 - Dr. K.S. Rane	Rs. 00,17,462.00
7.	Grants from Shatri Indo- Canadian Institute,New Delhi	Development of Indo-Canadian studies in the University	Rs.00,60,000.00
8.	Grants from small Ind. Development Bank of India	Small Industries Management Assistants Programme	Rs. 01,32,500.00
9.	Ministry of External Affairs	Bringing Out Edited volumes of speeches/statement etc of the Presidents, Prime Ministers & other higher dignitaries of India & Latin American Countries.	Rs. 00,45,000.00

6.1.4 State Government Agencies:

a) Scholarships

1. Economically Backward class Scholarships	Rs. 00,32,850.00
2. Post Metric Scholarship for SC Students	Rs. 00,04,665.00
3. National Service Scheme	Rs. 08,06,506.00
4.. Educational concession to the Children of Freedom Fighters service Personnel	Rs. 00,10,500.00
5. Physically Handicapped Scholarship	Rs. 00,08,415.00
6. Training programme for Panchyat members	Rs. 01,40,000.00

b) Council for Science & Technology

1. Survey/Study collection & Documentation of Plant Diversity of Goa - Dr. M.K. Janarthanam	Rs. 01,05,800.00
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c) Other Bodies

1. Fungus study Research Sandoz Project (Sandoz) Switzerland - Dr. D.J. Bhat	Rs. 22,03,947.00
2.ISEST, Seminar on "Industrial Effluents & Coastal Pollution: held in Feb.97 organised jointly by ISEST & Goa University	Rs. 01,09,000.00
3. Terra-Firma Environmental Consultants Pvt. Ltd., Consultancy Project by Dr. G.N. Nayak, Dept. of Marine Science	Rs. 02,10,000.00
4. Inter University Consortium, Indore, National Workshop on Magnetism Modern Methods & Materials	Rs. 01,75,000.00
5. Inter-University Consortium, Indore, IMACA meeting & International Symposium of Ecology of Fungi, Dept of Botany	Rs. 02,72,916.00
6. Inter University Consortium, Indore, Academic Staff College- Continuing Education	Rs. 00,72,000.00
7. Inter University Consortium, Indore, Setting up a Distance Education,	Rs. 04,00,000.00

Information & Training Infra-structure at Goa University.
 8. Indian Space Research Organisation, Bangalore, Constant Attitude Ballon
 Launching for Indian Ocean

Rs. 00,47,000.00

6.2 Endowments:

The Prizes and Medals instituted during the period under report:

- | | |
|---|---------------|
| 1. Dhejwadkar's Gold Medal for Hindi Topper in M.A..This prize to be awarded to a student getting highest marks in M.A. Final year at Goa University highest marks in General Medicine at the First attempt | Rs. 15,000.00 |
| 2. "Prof S.R. Paknikar Research & Education Trust Award". This prize to be awarded to a student obtaining highest score of marks in Organic chemistry at M.S. Examination at Goa University. | Rs. 15,000.00 |
| 3. "Rotary Club of Panaji. This prize to be awarded to a top student in Computer Science in M.C.A. at Goa University | Rs. 15,000.00 |
| 4. "Doctors Goa, U.S.A(Surgery), Faculty of Medicine". This prize is to be awarded to a Final year student from the Economically backward class, securing the highest aggregate marks above 55% in the subject of Surgery failing which any student securing highest marks in Surgery. | Rs. 15,000.00 |
| 5. "Prof. F.B. Antao Gold Medal". This prize to be awarded to a student topping the Merit list prepared by Goa University in M.Sc. course in Geology. In addition the student must attain a minimum of 60% (First Class) aggregate marks in the M.Sc. Part I & Part II examination in Geology | Rs. 25,000.00 |
| 6. "Uttaranchal Sanskritik Mandal, Goa Scholarship". This prize to be awarded to a student of Goa University securing highest marks in the subject of Hindi in the Faculty of Languages(Post-Graduate). | Rs. 15,000.00 |

6.3 Expenditure (Its. in Lakh)

	Budget Estimates (1997-98)			Revised Estimates (1997-98)		
	Recurring	Non-Recurring	Total	Recurring	Non-Recurring	Total
Plan	287.50	525.40	812.90	253.07	437.31	690.38
Non-Plan	450.74	--	450.74	402.33		402.33

	Actuals (1997-98)			Budget Estimates (1998-99)		
	Recurring	Non-Recurring	Total	Recurring	Non-Recurring	Total
Plan	245.63	378.35	623.98	367.18	411.35	778.53
Non-Plan	<u>(245.6t</u> _371. 77	..	371.77	567.21	4.00	571.21