

XVI ANNUAL REPORT

2000-2001



GOA UNIVERSITY
TALEIGAO PLATEAU
GOA 403 206

GOA UNIVERSITY

CHANCELLOR
H. E. GOVERNOR OF GOA

VICE-CHANCELLOR
B. S. SONDE

REGISTRAR
D. V. BORKAR

DEANS OF FACULTIES
Languages and Literature
O. J. F. GOMES

Social Sciences
V. SHIVKUMAR

Natural Sciences
A.G. DESSAI

Life Science and Environment
U. M. X. SANGODKAR

Management Studies
A. SREEKUMAR

Medicine
B. N. REDDY(Up to 30.11.2000)
U. G. NACHINOLKAR(From 01.12.2000)

Engineering & Architecture
CHO PADAMSEE (Up to 01.08.2000)
A. M. DESHMUKH (From 02.08.2000 to 14.01.2001)
B. L. N. SHASTRY (From 15.01.2001)

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Cover design by Goa College of Fine Art.

PART 1: UNIVERSITY AUTHORITIES AND BODIES.

1.1 MEMBERS OF UNIVERSITY COURT

- VICE-CHANCELLOR, Chairman (*Exofficio*)
B. L. N. SHASTRY, Dean, Faculty of Engineering & Architecture, C/o. Padre Conceicao College of Engineering, Verna, *Member*(w.e. f 23.1.2001) V.
SHIVKUMAR, Dean, Faculty of Social Sciences, Goa University, *Member*
A. SREEKUMAR, Dean, Faculty of Management studies, Goa University, *Member*
A. G. DESSAI, Dean, Faculty of Natural Sciences, Goa University, *Member*
O.J.F. GOVIES, Dean, Faculty of Languages and Literature, Goa University, *Member*
PRABHAICAR R. SARODE, Professor, Department of Physics, Goa University, *Member*
PRAKASH V. DESAI, Professor, Department of Zoology, Goa University, *Member*
B. RAMESH, Professor, Department of Commerce, Goa University, *Member*
F. A. FERNANDES, Director, Academic Staff College Goa University, *Member*
KAMLAKAR B. NAIK, Principal, Goa College of Music, Panaji, Goa, *Member*
PARVATHI H. RAO, Principal, Goa College of Home Science, Panaji Goa, *Member*
ARUN S. NADICARNI, Principal, G. R. Kare College of Law, Margao Goa, *Member*
S. N. LAL, Principal, College of Engineering Goa, Farmagudi, Goa, *Member*
ARUN R. SAKHARDANDE, Principal, Narayan Zantye College of Commerce, Bicholim, Goa, *Member*
BEULA SAVIO PEREIRA, Lecturer, Fr. Agnel College of Arts & Commerce, Pilar, Goa, *Member*
ROY C. D'SOUZA, Lecturer, Goa College of Architecture, Miramar Panaji Goa, *Member*
RAVINDRANATH V. KUNKOLIENICAR, Lecturer, VVM's Govind Ramanth Kare College of Law, Margao, Goa, *Member*
APOORVA A. MARATHE, Lecturer, C. E. S.'s College of Arts & Commerce, Cuncolim, Goa, *Member*
NISHA N. AMONKAR, Lecturer, College of Engineering Goa, Farmagudi, *Member*
CHANDRASHEKHAR RAO GANESH, Lecturer Govt. College of Arts, Sciences and Commerce, Sanquelim, Goa, *Member*
CHAIRMAN, Fr. Agnel Charity Trust, Verna, Goa, *Member*
CHAIRMAN, Bharateeya Sanskriti Prabodhini, Shiroda, Goa, *Member*
NIRANJAN SAWANT, Chairman, University Students' Council, Goa University, *Member*
E. DE. SA, Director, National Institute of Oceanography, Dona Paula, Goa, *Member*
ERIC GONSALVES, IFS (Retd.), Former Foreign Secretary and Indian Ambassador, C-52, IFS Apartments, Mayur Vihar Phase-I, New Delhi, *Member*
M. S. RAM, IAS (Retd.), 21/6 River View Apartments, 4th main road, Gandhi Nagar, Adyar, Chennai, *Member*
PREMANAND S. RAIKAR, Reader, Department of Earth Sciences, Goa University, *Member*
G.TILVE, Lecturer, Department of Chemistry, Goa University, *Member* (From 1.8.2000 to 31.1.2001)
Y. V. REDDY, Reader, Dept. of Commerce, Goa University, *Member* (w.e.f.31.1.2001)
URMILA BARROS, Lecturer, Department of Marine Biotechnology, Goa University, *Member*
SILVANO DIAS SAPECO, Associate Professor, Dept. of Forensic Medicine, Goa Medical College & Hospital, Bambolim, Goa, *Member*
PRAVIN PANDURANG NAIK GAONICAR, Lecturer, S. S. Dempo College of Commerce & Economics, Panaji, *Member*
USHA ALBUQUERQUE, MediapersonfTV Anchor, Y2, 2nd Floor, Sarvapriya Vihar, New Delhi, *Member*
PRABHAICAR M. SAWANT, A-1, Ground Floor, Gauri Apartment, Near Mapusa Church, Mapusa, Goa, *Member*
Adv. GANESH SHIVA KUBAL, Colony, opp. housing board office, alto porvorim, Bardez goa, *Member*
Adv. SWATI ULHAS KERKAR, S-7, Raghuvansh Apartments, 2nd Floor, Near Bus Stand, Sanquelim, Goa, *Member*
SUREKHA P. DIXIT, House no. 317, "Shrikrupa" — Nagar, Shirshirem, Borim, taluka, Ponda, Goa, *Member*
D. V. BORICAR, Registrar, Goa University, *Member Secretary*(*Ex-Officio*)

During the year 2000-2001, two meetings of the Court were held.

1.2 MEMBERS OF ACADEMIC COUNCIL

- VICE-CHANCELLOR, Goa University, Chairman (Ex-Officio)
- U.G. NACHINOLICAR, Dean, Faculty of Medicine (Ex-Officio) (w.e.f. 22.1.2001)
- B. L. N. SASTRY, Dean, Faculty of Engineering and Architecture (Ex-Officio) (w.e.f. 23.1.2001)
- A. G. DESSAI, Dean Faculty of Natural Sciences, (Ex-Officio)
- O. J. F. GOMES, Dean, Faculty of Languages and Literature (Ex-Officio)
- DEAN, Faculty of Performing, Fine Arts & Music (Ex-Officio)
- V. SHIVKUMAR, Dean, Faculty of Social Sciences (Ex-Officio)
- U. M. X.SANGODKAR, Dean, Faculty of Life Sciences and Environment (Ex-Officio)
- DEAN, Faculty of Law (Ex-Officio)
- DEAN, Faculty of Commerce (Ex-Officio)
- A. SREEKUMAR, Dean, Faculty of Management Studies (Ex-Officio)
- P. V. DESAI, Professor, Department of Zoology, Goa University, Member
- PETER R. deSOUZA, Professor, Department of
- Political Science, Goa University, Member
- NARAYAN JAYARAM, Professor, Department of
- Sociology, Goa University, Member
- B. RAMESH, Professor, Department of Commerce, Goa University, Member
- J. S. BUDKULEY, Professor, Department of Chemistry, Goa University, Member
- RITA PAES, Principal, Nirmala Institute of Education, Altinho, Panaji Goa, Member
- MARIAN PINHEIRO, Principal, V. M. Salgaonkar College of Law, Miramar, Panaji Goa, Member
- R. K. SINGH, Dean, Goa Dental College & hospital,
- Bambolim Goa, Member
- I. BHANU MURTHY, Principal, Shree Damodar College of Commerce & Economics, Margao, Goa, Member
- CDR. P. I. MATHEWS, National Hydrographic School, Vasco, Member
- P. M. BHENDE, Principal, G. V. M's College of Commerce & Economics, Ponda Goa, Member
- ARVIND D. KOTHE, Principal, S.E.S. Homeopathic College & Hospital, Shiroda Goa, Member
- MOHAN M. SANGODKAR, Principal, Govt. College of Arts, Science & Commerce, Khandola, Goa, Member
- D. M. DESHPANDE, Principal, Sarswat Vidyalayas College of Commerce & Management Studies, Khorlim, Mapusa Goa, Member
- J. K. KIRTANI, Reader, Department of Chemistry, Goa University, Member
- J. A. E. DE SA, Reader, Department of Physics, Goa University, Member
- ANITA P. VASHISHTA, Lecturer, Department Of English, Goa University, Member
- I. B. KHAN, Lecturer, Department of Hindi, Goa University, Member
- SATISH KUMAR, Lecturer, Department of Management Studies, Goa University, Member
- ANTAO RAMOLA, Lecturer, Dhempe College of Arts & Science, Miramar, Panaji Goa, Member
- RAMANI C. YEASHWANT, Lecturer, S. S. Dempo College of Commerce, Panaji Goa, Member
- CORTEZ EDWIN, Lecturer, Dhempe College of Arts & Science, Miramar, Panaji Goa, Member
- SHANICAR N. DOOJA POOJARI, Lecturer, M. E. S. College of Arts & Commerce, Zuarinagar, Goa, Member
- HARISH S. S. NADKARNI, Lecturer, Smt. Parvatibai Chowgule College of Arts & Science, Margao, Goa, Member
- SUBHASH H. BHOSALE, Lecturer, P. E. S's College of Arts & Science, Farmagudi Goa Member
- VIVIDH R. PAWASKAR, Lecturer, Shree Mallikarjun College of Arts & Commerce, Canacona, Goa, Member
- SUBHASH D. PATIL, Lecturer, D. M's V. N. S. Bandekar College of Commerce, Assagao, Goa, Member
- SANTOSH B. PATKAR, Lecturer, Saraswat Vidyalaya's College of Commerce & Management Studies, Khorlim, Mapusa Goa, Member
- E. DE SA, Director, National Institute of Oceanography, Dona Paula, Goa (Ex-Officio)
- CHAIRMAN, Goa Board Of Secondary & Higher Secondary Examination, Porvorim, Goa, (Ex-Officio)
- P. P. SHIRODKAR, Former Director of Archives (Goa), Vatsalya, B. B. Road, Alto-Porvorim, Bardez, Goa, 401521
- P. P. GUPTA, D-3/6 - Vasant Vihar, New Delhi - 110 057
- ANIL KAKODICAR, Director, Bhabha Atomic Research Centre, Trombay, Mumbai - 400 085
- P. V. KONNUR, Librarian, Goa University, (Ex-Officio)
- REGISTRAR, Goa University, Member-Secretary, (Ex-Officio)

During the year 2000-01, three meetings of the Academic Council were held.

1.3 MEMBERS OF EXECUTIVE COUNCIL (FROM 1ST AUGUST, 2000)

- VICE-CHANCELLOR, Goa University,
Chairman (Ex-Officio)
0. J. F. GOMES, Dean, Faculty of Languages
& Literature, Goa University, *Member*
- U. M. X. SANGODICAR, Dean, Faculty of
Life sciences & Environment, Goa
University, *Member* (w.e.f. 1.8.2000 to
25.11.2000)
- A. M. DESIIMUKH, Dcan, Faculty of
Engineering & Architecture,
Member, (w.e.f. 25.11.2000 to
22.01.2001)
- U. G. NACHINOLKAR, Dean, Faculty of
Medicine, Goa Medical College,
Bambolim, Goa, *Member* (w.e.f.
22.01.2001)
- A. K. HEBLEKAR, Principal, PES, College
of Arts & Science, Farmagudi Goa,
Member
- A. V. AFONSO, Prof. & Head, Department of
Philosophy, Goa University, *Member*
- GEN. SUNIT F. RODRIGUES (Retd)., Former
Chief of the Army Staff, Defence Colony,
Porvorim Goa, *Member*
- A. R. KOHL!, *Member* (w.e.f. 1.8.2000 to
24.5.2001)
- R. RAMAKRISHNA, IAS (Retd)., 90, Anupam
Apartments, M. B. Road, New Delhi, *Member*
(w.e.f.25.5.2001)
- JALAJ SHRIVASTAVA, Secretary to Governor &
Chancellor of Goa University, Raj Bhavan,
Goa *Member*
- D. P. PEDNEKAR, "Dharmasthala" Vijaya Nagar
Colony, Alto Torda, Alto Porvorim, Goa,
Member
- SHRINIVAS V.S. DEMPO, Dempo House, Campal,
Panaji, Goa, *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 2000-2001 six regular meetings of the Executive Council were held.

The Executive Council has taken the following major decisions:

- (1) Signed MOU between Goa University and International Rice Research Institute (IRRI) Manila.
- (2) Setting up the Directorate of Distance Education in the Goa University.
- (3) Signed MOU for VLSI Design and Education Programme between Goa University and M/S. Controlnet (India) Pvt. Ltd.
- (4) Understanding reached with Nihon University, Japan for starting the Study India Programme from September 2001.
- (5) Set up a Centre for European Union Studies in collaboration with European Union.

1.4 MEMBERS OF PLANNING BOARD

- VICE-CHANCELLOR, Goa University,
Chairman (Ex-Officio)
- A. M. PATHAN, Vice-Chancellor, Kamatak
University, Pavate Nagar, Dharwad,
Karnataka, *Member*
- A. SREEKUMAR, Dean, Faculty of
Management Studies, Goa University,
Member
- V. R. SHIRGURICAR, Principal, Smt. Parvatibai
Chowgule Cultural Foundation's College of
Arts and Science, Margao, *Member*
0. J. F. GOMES, Department of Konlcani, Goa
University, *Member*
- J. S. BUDKULEY, Department of Chemistry,
Goa University, *Member*
- V. A. PAI PANANDIKAR, President &
Professor, Centre for Policy Research,
Dharma Marg, Chanakyapuri, New Delhi,
Member
- R. P. ICAUSHIK, (Former Member, UGC), Prof.
of International Studies, Jawaharlal Nehru
University, New Meluauli Road, New Delhi,
Member
- .V.BORKAR, Registrar, Goa University,
Member Secretary (Ex-Officio) (up to
31.05.2001)

During the year 2000-2001, two meetings of the Planning Board were held.

1.5 MEMBERS OF FINANCE COMMITTEE

V10E-CHANCELLOR, Goa University, <i>Chairman (Ex-Officio)</i>	DEAN, Faculty of Commerce, Goa University, <i>Member(Ex-Officio)</i>
REGISTRAR, Goa University, <i>Member (Ex-Officio)</i>	SHRINIVAS V. DEMPO, Chairman Dempo Group of companies, Dempo house, Panaji-Goa, <i>Nominee of Executive Council, Member</i>
JOINT SECRETARY/DIRECTOR (Higher Education, Govt. of Goa, Secretariat, Panaji), <i>Member (Ex-Officio)</i>	RAGHU K. PIKALE, C.A., Vibhuti, Kavita Housg. Colony Tonca, Caranzalem-Goa 403 002, <i>Nominee B ef Chancellor, Member</i>
JOINT SECRETARY (Finance), Govt. of Goa, Secretariat, Panaji, Goa, <i>Member (Ex-Officio)</i>	FINANCE OFFICER, Goa University, <i>Member-Secretary, (Ex-Officio)</i>

During the year 2000-01 four meetings of the Finance Committee were held.

1.6 DEANS OF FACULTIES

O.J.F. GOMES, Faculty of Languages & Literature "	B. N. REDDY(Up to 3c. IP .2000)
V. SHIVKUMAR, Faculty of Social Sciences	U. G. NACHINOLKAR (From t 2..200e), Faculty of Medicine
A. G. DESSAI, Faculty of Natural Sciences	CHO PADMASEE, (Up to 01.08.2000) ;
U. M. X.SANGODKAR, Faculty Life Sciences & Environment	A. M. DESHMUKH, (From 02.08.2000 to 14.01.2000) ;
A. SREEKUMAR, Faculty of Management Studies	B. L. N. SHASTRY, (From 5.01.2001), Faculty of Engineering and Architecture VICE-CHANCELLOR, Faculty of Corn., Law, Fine Art and Music

1.7 OFFICERS OF UNIVERSITY

B. S. SONDE , Vice-Chancellor	ALBERT FERNANDES , Assistant Registrar
D. V. BORKAR , Registrar	S. N. KAMAT DIAS , Assistant Registrar
U. B. NAIK , Finance Officer	ASHISI I J. THOMAS , Assistant Registrar
S. K. DATTA, Dy. Registrar (Upto 14.08.2000)	S. K. GOLATKAR , Assistant Registrar
D. B. AROLKAR , Dy. Registrar	V.L. SAWKAR , Executive Engineer
V. P. KAMAT , Contoller of Examinations	AMIT SRIVASTAVA , Assistant Engineer
PANDURANG V. KONNUR , Librarian	S. S. TALAULIKAR , Assistant Engineer
M. S. CHAUHAN , University Engineer	RAJANIKANT PARSEKAR , Assistant Engineer
T. D. HALARNKAR , Director, Students' Welfare	M. CHAKRABORTY , Programmer
U. V. K. SHANKHWALKAR , Assistant Registrar	SANJAY BANDODKAR , Programmer
G. J. S. TALAULIKAR , Assistant Registrar	AVERTANO BARRETO , Uni. Asstt. Director of Sports and Physical Education
M. A. VAIDYA , Assistant Registrar	PATRICIA SEQUEIFTA , Medical Officer
G. D. NASNODKAR , Assistant Registrar	V. B. LOTLIKAR , Assistant Accounts Officer
SHAIKH MAHMOOD , Assistant Registrar	M. MADIIUSUDHAN , Assistant Librarian
LEO MACEDO , Assistant Registrar	S. K. MARIYAPPAGODAR , Assistant Librarian
DONALD RODRIGUES , Assistant Registrar	
M. SHREEDHARA , Assistant Registrar	

1.8 OTHER BODIES/ASSOCIATIONS AND THEIR COMPOSITION

FORUM OF PRINCIPALS as REPRESENTATIVES OF MANAGEMENT OF NON-GOVT. COLLEGES IN GrOA :

R. **NAIK**, MP, *President*, [REV. FR.](#) ANTIMO GOMES, *Chairman*, A. K. HEBLEKAR, *ft. Secretary*

EXECUTIVE COUNCIL OF GOA UNIVERSITY TEACHERS ASSOCIATION

A. B. PATIL , <i>President</i>	B. K. SIIARMA , <i>Member</i>
SATISH KUMAR , <i>Vice-President</i>	V. S. NADKARNI, <i>Jt.Secretary</i>
CHANDRALEKHA D'SOUZA , <i>Secretary</i>	P. S. RIVONKAR, <i>Member</i>
A. V. SALKAR , <i>Treasurer</i>	R. ROY, <i>Member (Ex-Officio)</i>
J. S. BUDKULEY , <i>Member</i>	

EXECUTIVE COUNCIL OF UNIVERSITY AND COLLEGE TEACHERS ASSOCIATION

RADHIKA S. NAYAK, *President*
P. G. DANDIN, *Vice-President*
RAJENDRA, *General Secretary*

OLAVO F. A. G. MENEZES GAMA, *Treasurer*
LYDIA MENON, *Joint Secretary*

EXECUTIVE COUNCIL OF THE GOVT. COLLEGE TEACHERS ASSOCIATION

OSCAR NORONHA, *President*
CONSTANCIO FERNANDES, *Vice-President*
RAMRAO WAGH, *Secretary*

DAISY JOHN, *Jr. Secretary*
NILESH BORDE, *Treasurer*

EXECUTIVE COUNCIL OF THE ASSOCIATION OF OFFICERS OF GOA UNIVERSITY

TANAJI HALARNKAR, *President*
M. CHAKRABORTY, *Secretary*
AVERTANO BARRETO, *Member*

DONALD RODRIGUES, *Member*
LEO MACEDO, *Member*
PATRICIA SEQUEIRA, *Member*

EXECUTIVE COUNCIL OF THE GOA UNIVERSITY NON-TEACHING EMPLOYEES ASSOCIATION

GANADHISH V. KENI, *President*
JOAO LOPES, *Vice-President*
ANTONIO VAZ, *Gen. Secretary*
NANDA GAUNS, *it. Secretary*
ANKUSH KINALKAR, *Treasurer*
ASHOK NAGARSHEKAR, *Member*

GAJANAN TARI, *Member*
ASSIS ARAUJO, *Member*
VASUDEV GAONKAR, *Member*
DASHARATH K. KAMBLI, *Member*

EXECUTIVE COUNCIL OF THE UNIVERSITY NON-TEACHING STAFF ASSOCIATION

A. D. LOTLIKAR, *President*
NAGUESH NAIK, *Vice-President*
N. V. GOVINDAS, *Secretary*

SUMANT Y. MARIBAL, *Jl. Secretary*
PRADEEP V. DALAL, *Treasurer*

THE EXECUTIVE BODY OF POST GRADUATE STUDENTS' UNION

NIRANJAN SAWANT, *President*
VIKRANT BERDE, *Secretary*
SONIA SABNIS, *Cultural Secretary*

SIDDESII BHOBE, *Sports Secretary*
SUPALA PUJARI, *Ladies Representative*
VIMBLENDU PANDEY., *Research Student's Representative*

THE EXECUTIVE UNION OF GOA UNIVERSITY STUDENTS' COUNCIL

CHETANKUMAR Y. PA LEKAR, *Chairman*
PANKAJ M. KUDTARKAR, *Secretary*
FREDA F. SANTIAGO., *Ladies Representative*
AMOD T. KATHARE, *Member*
YOGESH P. KERKAR, *Member*

SAMEER S. NAIK, *Member*
AMIR Y. PARAB, *Member*
VAIBHAV V. SAMANT, *Member*
KURVIAR SARAT B. *Member*

MANAGING COMMITTEE OF THE GOA UNIVERSITY CAMPUS CONSUMERS CO-OP. SOCIETY LTD

B. S. SONDE, *Chairman*
B. RAMESH, *Member-Secretary*
K. MAHENDER, *Treasurer*
D. V. BORKAR, *Member*
T. D. HALARNKAR, *Member*

I. K. PAI, *Member*
A. B. PATIL, *Member*
PGSU Secretary, *Member (Ex-Officio)*

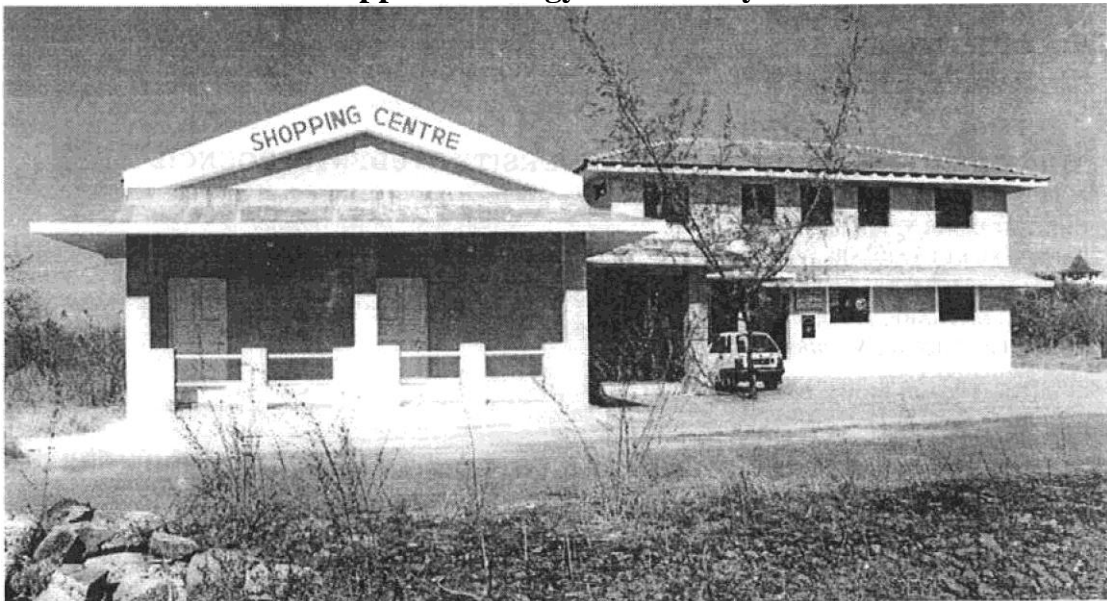
GOA UNIVERSITY CO-OPERATIVE CREDIT SOCIETY (EST13. 12/01/1990)
BOARD OF DIRECTORS

VISHWASRAO D. SAWANT, *Chairman*
ANKUSH KINALKAR, *Vice-Chairman*
VITHAL S. KERICAR, *Secretary*
K. G. PAI, *Treasurer*

UDAY PARSEKAR, *DIRECTOR*
ASHOK CHODANKAR, *Director*
VASUDEO GAONICAR, *Director*
Daya Mitragotri, *Director*



Applied Zoology Laboratory



The newly constructed Shopping Centre

PART 2: UNIVERSITY DEPARTMENTS

2.1 FACULTY OF LANGUAGES as LITERATURE

2.1.0 General Information regarding faculty: (Departments and Degrees).

DEPARTMENT OF ENGLISH: (M.A., M.Phil., Ph.D.) DEPARTMENT OF MARATHI: (M.A., Ph.D.)

DEPARTMENT OF FRENCH: (B. A., M.A., Ph.D.) DEPARTMENT OF PORTUGUESE: (M.A., Ph.D.)

DEPARTMENT OF HINDI: (M. A., M.Phil., Ph.D.) CENTRE FOR KONKANI DEV. STUDIES

DEPARTMENT OF KONKANI: (M.A., Ph.D.)

FACULTY BOARD

O. J. F. Gomes, *Chairman*

A. K. Joshi, *Member*

S. D. Komarpant, *Member*

R. N. Mishra, *Member*

M. Selma de Veira Velho, *Member*

A. B. Patil, *Member*

K. S. Bhat, *Member*

V. D. Sawant, *Member*

I. B. Khan, *Member*

P. S. Tadmokkar, *Member*

2.1.1 List Of Teaching Staff: (Name, Qualifications, *Designation*).

DEPARTMENT OF ENGLISH

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

A. B. Paul, Ph.D., *Reader*

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

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

A. P. Vashishtha, Ph.D., *Sr. Lecturer*

A. R. Fernandez, M.Phil., *Sr. Lecturer*

Nina Caldeira, Ph.D., *Lecturer*

DEPARTMENT OF FRENCH

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

Anuradha Wagle, M. Phil., *Lecturer*

DEPARTMENT OF HINDI

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

R. N. Mishra, PhD, *Reader*

Ishrat Bi Khan, Ph.D, *Sr. Lecturer*

Vrushali Mandrekar, M.A., *Sr. Lecturer*

Ravindra Mishra, Ph.D, *Lecturer*

DEPARTMENT OF KONKANI

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

P. S. Tadmokkar, M. A. D. H. E., *Sr. Lecturer*

Chandralekha D'Souza, Ph. D., *Sr. Lecturer*

Madhavi Sardesai, M. Phil., *Lecturer*

Prakash Parienkar, M. A., *Lecturer, CKDS.*

DEPARTMENT OF MARATHI

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

V. D. Sawant, Ph. D., *Reader*

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

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

Sunita S. Umraskar, M. A., *Lecturer*

DEPARTMENT OF PORTUGUESE

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

M. C. Barret^o, M. A., *Lecturer*

CENTRE FOR KONKANI DEVELOPMENT STUDIES

O. J. F. Gomes, Ph. D., *Hon. Director*

Prakash Parienkar, M. A., [M.Com](#), *Lecturer*

2.1.2 Highlights of the Research Activities:

In Dept. of Hindi about 12 (Ph. D.) research students are working in the department. B.K. Sharma is working on the project "Dakshinee Hindi Kavya Ke Punarmulkayan".

O. J. F. Gomes carried on further his research into Old Konkani Language & Literature and also worked on Modern Konkani Literature and Culture in all its variegated aspects, as well as on Indo-Portuguese history relating to it and other sociological aspects. Actively involved in research related to criticism, aesthetics, comparative literature, translations, folk art, Konkani literature, hat, yakshgana, jagor etc.

V. D. Sawant, 'Language of Marathi Fiction — Research Topic.

2.1.3 List of visiting scholars: (Name of Scholar, Institutional Affiliation, Title of lecture delivered, Name of the Department, Date).

Vassant Raichur, Karnataka University, Translations of Moliere's plays, 30th March 2001.

Vishwanathan, Translators Bureau, Paris, Translation tools required for professional Translation, 9th Aug., 2000.

Ramamurthi Tripathi, Ujjain University, critics, 16th Oct. 2000.

Arun Kamal, Patna University, Poems, 17th Oct. 2000.

Namwar Singh, JNU University, 19th March 2001.

2.1.4 Sponsored Research projects during the concerned academic year (Name of investigator/s, Topic, Date of Sanction, Funding Agency & Amount).

Ravindra Mishra, "Goa Prant'Ki Patrakarita", 29th Jan. 2001, UGC-Unassigned Grant, Rs. 22,000/-
Chandralekha D' Souza, "Hindi-Konkani Swayam Shikshak", August'2000, The Central Directorate of Hindi, New Delhi.

Madhavi Sardesai, "Hindi -Konkani Swayamshikshak" April'2001, The Central Directorate of Hindi, New Delhi.

S. M. Tadmolkar, Gomantakiya Christi Marathi Vilapika, August'2000, U.G.C.; New Delhi, Rs.2.40,000/-

2.1.5 Seminars/Conferences/Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding Agencies, Name of the Department).

Seminar Cum Workshop on *Cultural Studies: Concepts and Conventions* organised by LILA and Dept. of English, Goa University, on 1st April, 2000.

The process of European Unification, Dept. of French.

Pant Ramvrksha Benipuri ka Sahitya ka Mulyankan, 14th & 15th Oct. 2000, Dakshin Bharat Hindi Parishad, Dharwad, Dept. of Hindi.

Hindi Sahitya, 17th to 19th March 2001, Hindi Sahitya Sammelan-Prayag, Allahabad, Dept. of Hindi.

'Journalism: New Challenges', 24th March' 2001, Goa University, Marathi Dept.

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

A. K. Advanced Centre, Dept. of Sanskrit, Pune University, Pune on 14th —15th Sept, 2000.

"Psychoanalytic Criticism".

A. B. PATIL (i) "Frontiers Of Literature: Geography, Literature and Culture", 8th to 10th January 2001, Trivandrum, Centre for comparative literature, Kerala University and All India Comparative Literature Association, New Delhi, "A Comparative Study of the Bells in Indian Postcolonial Novels". (ii) National Seminar on "Comparative Literature and Translation Studies" 24th — 25th March'2001, Jalgaon, North Maharashtra University, Jalgaon. Dept. of CL and Translation Studies, "New Trends in Comparative Literature in Indian Contexts". NINA CALDEIRA, participated in the Seventh Annual International Conference of Canadian Studies held at Calicut University, 3rd to 5th Feb, 2001.

B.K. Sharma 1) Millennium New Delhi world Hindi, 18th to 21st Sept. 2000, Hindi Aur Anya Bharatiya Bhashayan. 2) D.B. Hindi Goa Parishad & GU, 14th & 15th Oct. 2000, Pant Kee Saundarya Drushty. . 3) Jabalpur University, Jabalpur, 13th Dec. 2000, D. P. Mishra Ka Kavya. 4) UGC & M.D. Shah College, Mumbai, 16th & 17th Dec. 2000, Swatantra poorva Khaniya Mein Samajik Parivartan. 5) Institute of Goa Menezes Braganza & N.B.T., Panjim, 29th Jan. 2001, Urdu Literature. 6) Shivaji University, Kolhapur, 13th & 14th March 2001, Sarveshwar Aur Nagesh Karmaluli ka Kavya. 7) Mumbai University, Mumbai, 15th & 16th April, 2001, Madhyakaleen

Kavya Aur Surdas.

R. N. Mishra 1) Millennium World Hindi Conference, New Delhi, 14th to 18th Sept. 2000, Rojgar Srijan Hindi Vigyan.

- R. Mishra, UGC & Shah Mumbai Mahila College, 16th & 17th Dec.2000, Samakaleen Kahani Mein Parivarik Vighatan
- P. S. Tadmokkar,(i) The Work of P. N. Naik with reference to one-act play, Porvorim, November'2000, One act play of the P. N. Naik. (ii) Konkani Short Story, Porvorim, 11th November,2000, Konkani Katha.
- Chandralekha D'Souza : Cochin Unversity, 8th to 9th January'2001, Centre for Comparative Literature, for translation of Konani -Kannad Story into English.
- Madhavi Sardesai, Thomas Stephens Konkani Kendra, Porvorim, 11-12th February'2001, The Language of Politics and the politics of language: a focus on Shabai Bhowjan Samaj.

2.1.6 Publications: (a) Research Articles: (Name, Title, Journal/Volume, Month/Year).

- P. S. Tadmokkar,(i) Konkani one-act play *Chourang*, Sod 02, July'2001, (ii) *Disaspan Vatsav Jayat Kai*, Jaag 12, June '2000, (iii) *Kerali Konlcancho Aarjansheel Avishakar*, Jaag 11, November '2000, (iv)*Suiya Vanshi*, Jaag 04, February '2000, (v) *The Poetry of Shri Ramesh Veluskar*, Jaag 07, February '2000.
- Chandralekha D'Souza, Translation of Konkani poems into Hindi- *Samkallen Sahitya* -92, December'2000. (ii) *Abhijeets Poem*, Jaag, 2000.
- Madhavi Sardesai, (i)*Pidgin and Creole Language*, Jaag, 26, June' 2000. (ii) *Language & Society*, Jaag, 26, July '2001. (iii) Translated (from Hindi into Konkani) a paper on translated by Prof. Ashok R. Kelkar, Jaag, November '2000.
- A. B. Patil, *Second Turn: My choice of the best book of the century*, Lalit Diwali (Nov 2000) pp. 40 — 46. Edith Melo Furtado, *Reacting to a Transition* , Lusophonies asiatiques, Asiatiques en Lusophonies, Paris, Karthala, 2000.
- R. N. Mishra, 1) *Mahadevi Varma Ke Rahasya*, Traimasik Patrika Gaghananchal, New Delhi, April/June 2000. 2) *Nirala Ke Kavya Mein Aam Jeevan*, Gaghananchal, New Delhi, Jan-March,2001.
- Ravindra Mishra Katyayan, 1) *Supta Mamata* (Story — translated from Konkani), Samakaleen Bhartiya Sachitya-Sahitya Academy, Delhi, Nov. Dec.2000. 2) *Hashiye Par Hashiya* : Ashwet Dalit Mahila Lekhan.(With special ref. To Toni Morison-translated from English), Kathalcrama-Special Issue on Dalit Writing, Lucknow,Nov.2000. 3) *Kabir Rachanao Ki Sarvabhaumikata*, Pragatisheel Aakalp Mumbai,1, April-June,2000
- S. D. Komarpant, Ravbahadur Dadoba Pandurang: *Atmcharitra ani Charitra*, Maitra, Samshodhan Visheshank, March'2001.
- V. D. Sawant (i) Aaditya, Maitra Samiksha Visheshank Special Issue in Criticism, August'2000.(ii) Deshivad, in the book, *Samikshetil Navya Sankalpana*, Ed. By Manohar Jadhav, March'2001.
- B. G. Kanolkar, , Sant Sohirobanath Ambiyenchya *Chitsukhdnyanvasant Kavitevaril Purvasurinchha Prabhav*, Maitra Samiksha Visheshank, March'2001

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

- A. B. Patil, *Marathi Natakawaril Ingraji Prabhav*, Second edition, Mumbai: Lokwangmaya Prakashan Gruha, 2001 (March).

2.1.8 Ph.D. Degree conferred during the year: (Candidate, Subject, Title of the Thesis).

- Linda Fernandes, English, "Characterization of women in the Canadian Fiction of Margaret Laurence" Ramkrishna Halarnkar, Hindi, Sarveshwar Dayal Saxena Evam Nagesh Karmali Ka Kavya Ka Tulnatmak Adhayan.
- Vidya V. Prabhudesai, Marathi, Goan Marathi Novel A Critical Study.

2.1.9 Any other information

- K. J. Budlculey : Her poetry has appeared in the International Poet's anthology Blossoms, 2001, published by the writers Forum.
- R. N. Mishra, Local Organiser of 52nd All India Hindi Convention of Hindi Sahitya Sammelan, Allahabad held on 17th to 19th March 2001.

2.2 FACULTY OF SOCIAL SCIENCES

2.2.0 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 POL. SCIENCE: (M.A.,Ph.D.)

DEPARTMENT OF SOCIOLOGY: (M.A.,Ph.D.)
 CENTRE FOR LATIN AMERICAN STUDIES
 (M.A.,M.Phil., Ph.D.)
 CENTRE FOR WOMEN'S STUDIES

FACULTY BOARD

V. Shivkumar, , *Chairman*
Peter R. de Souza , *Member*
A. V. Afonso, *Member*
P. P. Kamat, *Member*

S. M. Noronha , *Member*
N. S. Bhat , *Member*
Alito Siqueira , *Member*
U. A. Vinay Kumar, *Member*

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

DEPARTMENT OF ECONOMICS

A. R. Padoshi, Ph.D., *Head & Reader*
S. M. Noronha, Ph.D., *Reader*

Pranab Mukhopadhyay, M.Phil , *Lecturer*
P.K.Sudarsan, Ph.D., *Lecturer*

DEPARTMENT OF HISTORY

Pratima P. Kamat, Ph. D., *Reader &Head*
N. Shyam Bhat, Ph. D., *Reader*
Pius Malekandathil, Ph. D., *Reader*

Ujjayan Bhattacharya, M. Phil., *Lecturer*
Nagendra Rao, M.Phil., *Lecturer*
R. Venugopalan Nair, M. A., *Lecturer*

DEPARTMENT OF PHILOSOPHY

A. V. Afonso, Ph.D., *Professor & Head*
U. A. Vinay Kumar, Ph. D., *Lecturer*
Sanjyot D. Pai Vernekar, Ph.D., *Lecturer*

Koshy Tharakan, M. Phil., *Lecturer*
Milan B. Desai, Ph. D., *Lecturer*

DEPARTMENT OF POLITICAL SCIENCE

Peter R. de souza, D. Phil., *Professor & Head*
Aureliano Fernandes, Ph. D., *Reader*

Rahul Tripathi, M. Phil., *Lecturer*

DEPARMENT OF SOCIOLOGY

Narayana Jayram, Ph. D., *Professor*
Ganesha Somayaji, Ph. D., *Reader*
Alito Siqueira, M. A., *Lecturer*

Manish Kumar Thakur, M. Phil., *Lecturer*
Sujatha V., Ph. D., *Lecturer*
Dilip Loundo, Ph. D., *Brazilian Chair*

CENTRE FOR LATIN AMERICAN STUDIES

V. Shivkumar, Ph. D., *Professor &Head*
Dalbir Singh, Ph. D., *Lecturer*

Aparajita Gangopadhyay, M. Phil., *Lecturer*

CENTRE FOR WOMEN'S STUDIES

Narayan Jayaram, Ph.D., *Professor & Teach. in Ch.* Shaila Desouza, M. A., *Research Officer*

2.2.2 Highlights of the Research Activities:

In the Dept. of Economics, faculty members are involved in research in the major areas of Economics such as Monetary Economics, Development Economics, Labour Economics and Agriculture Economics. The History Department has concentrated on developing further its thrust areas of Indo-Portuguese History and Maritime Studies in 2000-2001 and also organised an International Seminar on "Maritime Activities in India with special reference to the Portuguese : 1500-1800", between 25th to 28th April 2001.

A. V. Afonso: Engaged in research on evolution of Consciousness and its implication for individual epistemological development; S. D. Pai Vernekar: Tried to understand the role of women in some of the religions like Hinduism, Judaism, Islam and Christianity; Koshy Tharakan: worked out themes such as Methodology and Explanation in social Sciences.

The Dept. of Political Science has encouraged faculty to focus on core competencies w.r.t to teaching & research to encompass a blend of classical & contemporary concerns within Political Science viz. Democracy & Political Process in India, Human Rights & South Asia and Public Management and Government & Politics of Goa. The Dept; has made a modest impact in academic circles, among NGOs

and Government of Goa. Recognising the expertise of the Department, the Centre for Study of Developing Societies, New Delhi, CSSS, Surat, the Centre for Media Studies, New Delhi, the National Voters Awareness Campaign, Goa Institute for Rural Development & YASHADA, Pune have been collaborating with us in conducting National Election Surveys, Awareness and Training Programmes, since 1994.

Goa is the thrust area for the research activities of the Department of Sociology. The various areas of interest for the faculty are: Migration and diaspora, sociology of food, sociology of health, colonial and post-colonial constructions of village, comparative post-coloniality, and tourism. Field-based studies on Goa are encouraged for MA dissertations. The organisation of an annual Research Methodology Training Camp is aimed at equipping the students with research methods prior to their dissertation work. Department also encourages researchers from other institution to use the Department in mutually enriching exchanges.

2.2.3 List of Visiting Scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture delivered, Date).

Graca Leao Fernandes, Assistant Professor in the faculty of Economics of the Lisbon Technical University, Lisbon.(1) Low Wage Employment: An Analysis of recent Evolution in the Portuguese Labour Market —12th Jan.2001. (2) Gender differentials in the Portuguese Labour Market -13thJan.2001 (3)Wage Determination Model: Theory - 25th Jan. 2001. (4) Wage Determination Models: Two Empirical Studies-i" Feb.2001.

Luis Filipe Thomaz, Universidade Nova de Lisboa, *Aspects of Portuguese Expansion in Asia*, 5th Feb'2001.

Evandro Agazzi, President of International Federation of Philosophy, ICPR International Scholar of the Year (2000)- (i) Science and the Knowledge of Truth (ii) Freedom and Responsibility of Science, 23rd to 24th Oct., 2000.

Ioanna Kuchuradi, Chairman, United Nations' Commission for Human Rights Education, ICPR International Scholar of the Year (2001),(i)Justice: Social and Global, (ii) Understanding Human Rights,6th to 7th March '2001.

Deepak Bhojwani, Consul General of India at Sao Paulo, Brazil, *Indo-Brazilian Relations*,5th Jan.' 2001.

Daniel Levine, University of Michigan, *Religion and Politics: Changes in Latin America*, 1st March'2001.

Dennis Kux, Former Ambassador and Us Diplomat, *Indo-US relations under the Bush Administration*. 5th March'2001

R. Narayanan, joined the centre as a visiting Professor under the UGC scheme, 13th February 2001

2.2.4 Sponsored Research Project sanctioned during the concerned academic year (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount).

Pranob Mukhopadhyay, *Environment Interest Groups, Property Rights, & Local Self Govt.*, 17th January 2001, Sandee, Rs. 5.98 lakhs.

Pius Malekandathil, *Ship-building and Navigation in Kerala during the time of the Portuguese: 1500-1663*, Goa University, Rs.15,000/- .

The Politics of Economic Liberalisation in Brazil: Post Populist Strategies during the 1990s-2000.

2.2.5 Seminars/Conferences/Workshops, Etc.

(a) Organised: (Title/Theme, Date, Funding agency, Name of the Dept.,).

Impact of Globalisation on Goa's Economy, 24th October' 2000, Dept. of Economics , Goa University.

N. S. Bhat, Workshop for NET/SET, 16th —17th Dec. 2000, Co-ordinator of CCGEL Cell

National Seminar on" Christian Contribution to Understanding Indian Philosophy and Culture", (6th to 8th, March 2001), Indian council of philosophical research, New Delhi, Dept. of Philosophy.

Bureaucracy & Effective Governance, 31st March'2001, The American Information Resource Centre Mumbai, Dept. of Political Science.

Good Governance: a study of Institutions in Goa, 21st April' 2001, Dept. of Political Science.

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

S. M. Noronha, Rani Durgawati University, Jabalpur, 9th to 11th December' 2000, "Tertiary Sector and Employment Generation in Goa".

P. K. Sudarshan, South Gujrat University Surat, April, 13th to 15th April'2001, "Demand for Residential Houses in Goa: an Econometric Study at the 37th Annual Conference of Indian Econometric Society.

A. V. Afonso, (i) International Institute of Philosophers (Paris), JNU, New Delhi, 18th to 21st Dec.'2000, Understanding Science Ethics and Globalisation. (ii) Centre for Studies in Civilizations , (PHISCP) New Delhi, India International centre, N. D., 20th to 22nd March' 2001, Status of

- Woman in Christianity.(iii) International Federation of Philosophy Associations, International & World Philosophy Conference, N. D. , Vigyan Bhavan, New Delhi, 28th Dec.' 2000, Crisis of Indian Civilization. (iv) Indian Council of Philosophical Research, (N. D.) and Pondicherry University, Dept. of Philosophy, Pondicherry University, 15th June 2000, Studies in Consciousness: Popper and Piaget. (v) Indian Council of Philosophical Research, (N. D.) and University of Punjab, Chandigarh, Dept. of Philosophy, University of Punjab, Chandigarh., 30th April' 2001, Autonomy of Applied Ethics as a Discipline.
- Sanjyot D. P. Vernekar, Faculty of Drama, Kala Academy, Panaji — Goa, 17th March'2001, All Life is Yoga: Aurobindonian Paradigm for Universal Spiritualisation.
- Peter R. deSouza, (i) TERI, ICG, Goa, August 2000, *Quality of Life*. (ii) Corpus Christi College, Oxford University, 17th to 19th Septinber'2000, *Decentralization and Panchayati Raj in India : Pursuing the Holy Grail of Devolution* — Political Reforms in India: Ways Ahead. (iii) FORD FOUNDATION, New Delhi, 4th October'2000, 'Deficits of Social Science' for a Round Table on State of Social science in India. (iv) Goa Union of Journalists, Goa, 10th November,2000, *Changing face of Goan Politics*.(v) World wide Goans, Panaji , 30th December'2000, *Goa: A Stocktaking*'.
- Aureliano Fernandes, ICSSR, New Delhi, 15th to 17th Jan.' 2001, Transforming towards effective governance. At National Seminar on Sustainable Economic, Social & Political Reforms in Information Age.
- N. Jayaram, (i) Seminar on *Should Census 2001 Enumerate by Caste?*, Madras Institute of Development Studies (Chennai), National Institute of Advanced Studies (Bangalore), the Institute of Social and Economic Change(Bangalore) & the University of Mysore, Mysore, 21st to 22nd July'2000, *Caste, Census and Sociology: Some reflections*. (ii) National Seminar on *Educational Reforms*, jointly organised by the Department of Culture, Ministry of Tourism and Culture, Government of India, and Deendayal research Institute, New Delhi, 14th to 15th March'2001, *Higher Education Reform: The currucular Dimension*. (iii) International Conference on *The Changing Academic Workplace*, Organised by Boston College, Massachusetts (USA) with the support of Ford Foundation and Rockefeller Foundation, Rockefeller Foundation's Villa Serbelloni in Bellagio, Italy, 21st to 25th May2001, *The Fall of the Guru: The Decline of the Academic Profession in India*.
- G. Somayaji, (i) International Seminar on *Linguistic and Interdisciplinary Approaches as Critical Resources to Development* organised by the Central Institute of Indian Languages, Mysore in collaboration with Centre for Cooperative Research in Social Sciences, Pune and Centre for Advanced Research in Indigenous Knowledge Systems, Mysore, 12th to 14th July, 2000, *Development Gastronomy and Oral Tradition*. (ii) XXVI All India Sociological Conference hosted by the Kerala University, Trivandrum, 29th to 31st December2000, *Centrality of Occupation for Mobility: an Appraisal*.
- Alito Siqueira & Alexander Henn, International Seminar on Maritime Activities of India with Special Reference to Portuguese, 1500-1800 organised by Goa University, Goa, 25th to 28th April 2001, *The Ganypon and the Comunidad: Towards an Anthropological Readings for the Social History of Goa*.
- Dilip Loundo, International Seminar on Welfare State Systems, organised by the school of International Studies, JNU, New Delhi, 25th April'2001, *Welfare Designs and Peripheral Realities: the Brazilian Dilemma*
- (b) (ii) Workshop: (Name of the Teacher, Theme of Workshop, Place, Date, Title of paper).
Pranab Mukhopadhyay, Beijer Institute Sweden, Luxor Egypt, 18th -28th March'2001, "Democratic Representation and Property Rights".
- Pratima Kamat, "As Ciencias Socias nos Espacos de Lingua Portuguesa: Balancos e Desafio:s, Porto, Portugal, 5th to 9th Sept.,2000.
- Koshy Tharakan & Milan Desai, Christian Contribution to Understanding Indian Thought and Culture, International centre, Goa, 6th to 8th March'2001.
- Peter R. deSouza, (i) National Election Audit, Delhi, 8th to 9th July2001. (ii) The Future State, Sussex, U. K., 20th to 22nd November2000. (iii) UNDP workshop on *Community Driven Management and Decentralization*, Delhi, 12th December,2000. (iv) The Future State, Sussex, U. K. 12th to 10th February, 2001.(v) A Philosophical Conference in Honour of G. A. Cohen, Yale University, New Haven, USA, 11th May' 2001.
- Aureliano Fernandes, National Workshop on *Political Parties & Party Systems*, Centre for Public Affairs & Konarad Adenaur, Goa, 17th to 20th November'2001.
- Rahul Tripathi, (i) USEFI, New Delhi, 30th March to 1st April'2001, Round Table on *Teaching of International Relations in South Asia*. (ii) National Law School University of India, Bangalore,

to 29th May'2001, South Asian Teaching Session in *International Humanitarian Law and Refugee Law*.

Alito Siqueira, *Keralam - Exploring Future Frontiers in Tourism Development* organised by Department of Tourism, Kerala and EQUATIONS, Bangalore, Tiruvananthapuram, 25th to 28th July 2000, *The role of the Centre in Determining Tourism Policy at the State Level - A Case Study of Goa*.

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

S. M. Noronha, *Tertiary Sector and Employment Generation in Goa*, the Indian Journal of Labour Economics, Vol. 43, No.4, October-December, 2000.

Pratima P. Kamat: *The city of Goa as Civilisation: A Critique of Urban Systems and Life in 16th-18th Centuries*, Actas do Coloquio Internacional, Universo Urbanistico Portuguese, 1415-1822, Lisbon: Comissao Nacional para as Comemoracoes dos Descobrimientos Portugueses, 2001 pp. 717-731.

N. Shyam Bhat, (i) *Early Colonial Experience: 1799-1862*, Canara 200, edited by M. Mukunda Prabhu, Mangalore, November'2000, pp.52-62. (ii) *Kanara Rice and Goa Salt: Trade on the Western Coast in The Nineteenth Century*, Summary of the paper published in the Proceedings of the Indian History Congress, 60th Session, University of Calicut, Aligarh, 2000, pp.1184-85.

Pius Malekandathil, (i) *The Portuguese and the Spice Production Centres of Central Kerala: 1500-1660*, Journal of Pondicherry University Social Science and Humanities Volume 1, No. 1, Dec., 2000 pp. 129-154. (ii) "The Portuguese and the Ghat Route trade: 1500-1663", STARS: Interdisciplinary, Journal, Volume 1, No. 1 and 2, October 2000, pp.77-102.

Nagendra Rao, (i) *Shivali: A Brahman settlement of Dakshina Kannada*, the Quarterly Journal of the Mythic Society Vol.XLI Issue No.3, July-Sept, 2000. pp.72-81. (ii) *Perceptions of Gramapaddhati*, M. Mukunda Prabhu [et.al.](#)(eds.) POLI Canara 200, Mangalore, November, 2000, pp.27-34. (iii) *Gramapaddhati Maitu Toulava Brahmana Itihasa*, H.B. L. Rao (ed.), Shivalli Brahmanaru, (in Kannada), Mumbai, 2001, pp.23-37.

A. V. Afonso, *Logic of Discovery and Metaphors*, Pondicherry University Journal of Social Sciences and Humanities, Vol. 1, No. 1 & 2, Jan to July 2001.

Sanjyot D. P. Vernekar, (i) *Aurobindonian Ontology: Salient Peculiarities*, The Call Beyond, Vol.25, No.4 & Vol. 26, No.1, Oct. & Dec. '2000. (ii) *Millennial Concept of God: Bequest of Shri. Aurobindo*, Mother India, Vol. LIII, Nos. 7, 8, & 9, July, August, & September 2000. (iii) *Contemporary Women and Religious Fundamentalism*, Journal of Dharma, Vol. XXVI, No. 2, April-June 2001. (iv) *Moral Status of Informed Consent in Medical Practice*, Indian Philosophical Quarterly, Vol. XXVII, No. 2, April 2001.

Peter R. deSouza, *La vie politique dans l'Etat de Goa (1987-1999)*, Lusotopie, Karthala, Paris, 2000. Aureliano Ferenandes, (i) *Delivery Constraints within Panchayat Framework*, Rural Development NIRD Hyderabad, Vol -19, No.2, April-June 2000. (ii) *Political Transition in Post Colonial Societies* Lusotopie, ICarthala, Paris, 2000. (iii) *Conceptualising Transitional Societies. Review of The Construction of Political Community Integration & Identity in Goa*, Economic & Political Weekly, Vol. XXXV Nos.20 & 21.

Rahul Tripathi, *Towards Greater Monetary Interaction in South Asia*, B. C. Upreti (ed) SAARC: Dynamics of Regional Cooperation in South Asia, Konark, Delhi, 2000.

N. Jayaram, *Multiculturalism and Nation-Building: A South Indian Perspective*, Journal of Social and Economic Development, 3(2), July - December'2000.

Ganesha Somayaji, (i) *Occupational Transformation and Occupational Entry in India*, Kerala Sociologist, 28(1), June 2000. (ii) *Centrality of Occupation for Mobility*, Loyola Journal of Social Sciences, 15(1), January-June 2001.

Manish Kumar Thakur, *Remembering Arvind Narayan Das, 1948-2000*, Journal of Peasant Studies, 28(1), January' 2001.

Dilip Loundo, (i) *Perfect Music: the Indian Element in the Lyrics of Cecilia Meireles* (December, 2000), Brazil Now: Nation of Wonders, New Delhi: Embassy, December'2000. (ii) *Brazilche Samakalin Panch Kavi (Five Contemporary Brazilian Poets in Konkani translation)* [co-authorship with Ramesh B. Veluskar], Konkan Times, Panaji, Goa: Konkan Times Publication, October 2000. (iii) *Brazil Sahityacho Itihas (History of Brazilian Literature)*, Konkani Vishvakosh, Vol. 3, Panaji, Goa: Goa University, 2000. (iv) *Lullaby Songs of Goa (Konkani)* [Co-authorship with Ramesh B. Veluskati, Renno, Rosangela. A Lingua Portuguese, Rio de Janeiro: Academia da Latinidade, 2001.

(b) Books: (Name, Title of book, Publisher, Year).

Peter R. deSouza, (ed) *Contemporary India: Transitions*, Sage, 2000.

Alito Siqueira, (edited with Michel Cahen, et al.), *Lusophonies asiatiques, Asiatiques en Lusophonies*, Paris, Kartala: Lusotopic, 2000.

Dilip Loundo, *Latin Indianity: Elements for an analysis of Latinity in Goa..* Paris: Academic de la Latinite, 2000.

2.2.8 Ph. D. degree conferred during the year: (Candidate, Subject, Title of Thesis, Guide).

Harishchandra Tukaram Nagvenkar, Economics

Luis Vernal, Education

2.2.9 Any other information:

(a) Awards/ Honours Conferred:

Peter R. deSouza, (i) Invited to be Adjunct Fellow, Centre for the Study of Developing Societies, New Delhi. (ii) Invited to participate in Project on *Democracy and Diversity: India and the American Experience* of Ambassador K. S. Bajpai, Sponsored by Ford Foundation.

Ms. Shaila Desouza was awarded the Shastri Ind^o Canadian Fellowship for Women and Development (October-December 2000) and was affiliated to the Simone De Beauvoir Institute, Concordia University, Montreal, Canada).

(b) Fellowships/ Visiting Professors, etc.

N. Jayaram is Editor, ICSSR Journal of Abstracts and Reviews: Sociology and Social anthropology. He is the Editorial Advisory Board of the ICSSR's Project of the review of Research in Sociology and Social Anthropology. He was a member of the UGCs Curriculum Development Committee (Sociology) and the UGC Panel on Sociology.

Alito Siqueira is the member of the Subcommittee of the Government of Goa's High Powered Committee on Tourism.

Dilip Loundo had been the Visiting Professor at the School of International Studies, and the School of Languages and Cultural Studies Jawaharlal Nehru University, New Delhi.

Alexander Henn of Heidelberg University (Germany) was a DAAD Visiting Fellow in the Department from 5th December 2000 to 8th May 2001.

Peter R. deSouza, Visiting Scholar at (a) Taubman Centre, Kennedy School of Government Harvard University 13th to 15th May 2001. (b) University of California, Berkeley 26th to 1 June, 2001. (c) Yale University, New Haven, 6th to 12th May 2001.

Peter R. deSouza, (1) Appointed Member of Editorial Advisory Committee of ICSSR for survey of discipline of Political Science. (2) Appointed Member of Selection Committee at Pune University.

Aureliano Fernandes, (1) Appointed as Visiting Associate Prof. at Goa Institute of Rural Development and Administration, Goa 2000-2001. (2) Appointed on the Panel of Contributors for Kurukshetra, Journal of the Ministry of rural Development, Govt. of India. (3) Appointed as Referee to review articles for *Journal of Rural Development* NIRD, Hyderabad, February 2001.

2.3 FACULTY OF NATURAL SCIENCES

2.3.0 General Information regarding faculty: (Departments and Degree).

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.)

FACULTY BOARD

A. G. Dessai; *Chairman*
V. N. Kamat Dalal, *Member*
P. R. Sarode, *Member*
Y. S. Pralhad, *Member*
V. V. Kamat, *Member*
J. S. Budkuley, *Member*

DEPARTMENT OF PHYSICS: (M.Sc., Physics;
M.Sc., Electronics, Ph.D.)
UNIVERSITY SCIENCE INSTRUMENTATION
CENTRE.

G. M. Naik, *Member*
J. K. Kirtany, *Member*
B. D. Desai, *Member*
J.A.E. DeSa, *Member*
A. V. Salkar, *Member*
Y. S. Valaulikar, *Member*

231 List of the Teaching Staff: (Name, Qualifications, Designation).

DEPARTMENT OF CHEMISTRY

J. S. Budkley, Ph.D, *Professor & Head*
V. N. Kamat Dalal, Ph.D., *Professor*
J.K. Kirtany, Ph.D., *Reader*
B.D. Desai, Ph.D., *Reader*
K.S. Rane, Ph.D., *Reader*
J.B. Fernandes, Ph.D, *Reader*
S.P.Kamat, Ph.D, *Reader*
V.P. Kamat, Ph.D., *Lecturer*

A.V. Salkar, Ph.D., *Lecturer*
S.G. Tilve, Ph.D., *Lecturer*
B.R. Srinivasan, Ph.D., *Lecturer*
B. Das Gupta, Ph.D., *Lecturer*
N. Chandrashelchar, Ph. D., *Lecturer*
R.N. Shirsat, Ph.D., *Lecturer*
V.S.Nadkarni, Ph.D., *Lecturer*
V.M.S.Verenicar, Ph.D., *Lecturer*

DEPARTMENT OF COMPUTER SCIENCE

G. R. Bhat., Ph.D., *Act. Head*
P. R. Rao, Ph. D., *Reader*
V. V. Kamat, Ph. D., *Reader*
Yma Pinto, M.C.A., *Sr. Lecturer*

Jyoti D. Pawar, M.C.A., *SrLecturer*
Ramdas Karmali, M.C.A., *Lecturer*
S. Bhaskar, M.Sc., *Lecturer*
Ramrao Wagh, M. C. A., *Sr. Lecturer.*

DEPARTMENT OF EARTH SCIENCE

A.G. Dessai, Ph.D., *Professor & Head*
P. S. Raikar, Ph.D., *Reader*
K. Mahender, Ph. D., *Reader*

A. G Chachadi, Ph. D., *Sr. Lecturer*
T. A. Vishwanath, Ph. D., *Sr. Lecturer*
A. A. A. Viegas, M.Sc., *Lecturer*

DEPARTMENT OF MATHEMATICS

Y. S. Prahalad, Ph.D., *Professor*
A. J. Jayanthan, Ph.D., *Reader & Head*
Y. S. Valaulikar, M. Phil., *Lecturer*

A. N. Mohapatra, Ph. D., *Lecturer*
R. K. Panda, Ph.D., *Lecturer*
M. Tamba, Ph.D., *Lecturer*

DEPARTMENT OF PHYSICS - (DST-FIST SPONSORED DEPT)

P.R. Sarode, Ph.D., *Professor & Head*
A. B. Bhattacharya, Ph.D., *Professor*
J.A.E. Desa, Ph.D., *Reader*
G.M. Naik, Ph.D., *Reader*
G.R. Bhat, Ph.D., *Reader*

Uma Subramanian, Ph.D., *Lecturer*
R.B. Tangsali, Ph.D., *Lecturer*
R.V. Pai, Ph.D., *Lecturer*
R. K. Kamat, M. Phil., *Lecturer*
K.R. Priolkar, Ph.D., *Lecturer*

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE : Service Department

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

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

232 Highlights of the Research Activities:

The Dept. of Computer Science, has expertise in the areas of Graphics and Visualisation, Data Mining, Web Tools, Networking, Databases, Graph Theory & Algorithms, Neural Network, Software Engineering.

During the academic year 2000-2001, the Dept. of Earth Science was active in pursuing various research activities and had kept the following research areas in focus:

(i) Study of the Petrology & Geochemistry and economic potential of the Mafic and ultramafic complexes along the coastal belts between Goa and Northern Karnataka. (ii) Composition 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 and palaeoenvironmental reconstruction of Carbonate and elastics sediments. (v) Remote Sensing & GIS application in environmental studies, Mineral Exploration, Ground water etc.. (vi) Ground water model studies involving seawater intrusion in the coastal aquifers and impact of mining on ground water environment. Water Harvesting structures.

In the Dept. of Mathematics R. Panda is studying certain inequality between Dirichlet and Neumann eigenvalues of Laplacian in a centrally symmetric domain.

A. N. Mohapatra studied some inverse problems of one dimensional Schrodinger equations with Dirichlet conditions.

A. J. Jayanthan working on Double torus Knots and their presentation.

Department of Physics was involved in following research activities in the year 2000-2001; Under the collaborative programme with Indian Institute of Science, Bangalore and Institute of Scientific and Industrial Research (ISM), Osaka University, Osaka, Japan, EXAFS work on Noble metal — Ceria automobile exhaust catalysts has been carried out at Synchrotron Radiation Facility, Spring-8, Japan during May 2000 and May 2001. The results on Pd/CeO₂ and Cu/CeO₂ indicate the presence of M-O-Ce (M=Pd,Cu) interaction which seems to be responsible for the high catalytic activity of these materials. Our EXAFS results further suggest that in these catalysts, the metal ion substitutes Ce ion in CeO₂ matrix and has oxygen vacancies around it. This makes it an active site for various catalytic reactions. This work was extended further to Pt/CeO₂ catalysts during the last Japan visit of faculty members in during May 2001.

Neutron Diffraction work on MnSe and Mn Te was also carried out during the period of the report. The result on MnSe undergoes a partial structural transition to antiferromagnetic NiAs-type hexagonal phase at 250k. The high temperature cubic phase also orders antiferromagnetically at 130k. The magnetic ordering in cubic phase is along (111) direction while in the hexagonal phase the spins are aligned ferromagnetically in the basal plane, these planes being stacked antiferromagnetically along the c-axis.

Research work on VLSI Micropower Design and Microelectronics Device Modelling has been carried out. The main focus is on the development of design methodology for low power, low voltage microchips for biomedical applications.

A project funded by IUC-DAEF for the calculation of an optimum thickness of shielding of a neutron beam at the DHRUVA Reactor has been continued for one more year. Under this project some Monte Carlo calculations have been made which have yielded initial results. The code to be further refined to generate data that may be used in checking the results from other ready-made shielding packages.

" A paper has been written on the results of earlier made diffraction measurements on some nuclear waste-containing glasses. It will be communicated to a suitable journal once a hand-built model of the main features of this glassy system is completed.

Some measurement of the dielectric constant of rare-earth phosphate glasses have been made both as a function of frequency (upto 30 MHz) and as a function of temperature from 77k to ambient. These have been executed through the collaborative programme with the Development of Physics, University of Aveiro, Portugal.

The design and construction of an electric solar tracking circuit has been completed and is to be shortly installed for use in a 11°k-type solar cooker.

Research work has been done on synthesis of NTC thermistors and related instrumentation for this study has been developed.

A phase diagram of an dimensional extended Bose-Hubbard model is obtained using finite size Density Matrix Renormalization group method. It consist of super fluid (SF), Mott insulator(MI), Density wave(DW) and Bose wave order(BOW) phases. For $V \leq U$, we find two tricritical points: the first point in which MI-BOW line, DW-BOW line and MI-DW- line meet and the second point in which MI-BOW line, SF-BOW line and SE-MI line meet.

Photoluminescence properties of high temperature superconducting oxides like Ba-Sr-Ca-Cu-O and RE-Ba-Cu-O has been investigated. Photoluminescence and thermoluminescence studies of X-ray storage like BaFBr-Eu²⁺, BaFBr-Nd³⁺, Ba FBr-Ce³⁺ at room temperature and above have also been carried out.

2.3.3 List of Visiting Scholars: (Name of scholar, Institutional affiliation, Title of lecture delivered, Date).

Da Silva, University of Lisbon, Linear Algebra & Additive Number Theory (Lee. I), Generalisation of Linear Independence (Lect.II), 25th October, 2000.

Juergen Herzog, University of Essen, Germany, Hilbert Functions & Simplicial Complexes, 12th December, 2000.

M. Demuth, University of Clansthal, Germany, Feynman-Kac Formula, 13th December, 2000.

A. VijayKumar, Department of Mathematics, Cochin University, Combinational Convexity Theory, 19th February, 2001.

Adimurthi, TIFR Centre, Bangalore, Lecture as a part of D. B. Wagh Endowment Lectures, r^d to 3rd April, 2001.

R.G. Mendiratta, Dept. of Physics, Indian Institute of Technology, New Delhi, Electronic Structure of Tertiary Ferrites, 1 8th November' 2000.

P. Sen, Dept. of Physics, Jawaharlal Nehru University, New Delhi, Non-Equilibrium Methods of Generating Nanometered size Eutectics, 28th november,2000.

2.3.4 Sponsored Research Project Sanctioned during the year: (Name of the investigators, Topic, Date of sanction, Funding agency, Amount).

V.M.S. Verenkar, Development of instrumentation set up to monitor Curie temperature of ferrites, 22nd May 2000, UGC-New Delhi ,41,000/- . (Minor research project)

K. Mahender, Sequential Evolution & Diagenesis of Upp. Jurassic L. Cretaceous Sequence of Kutch, Gujrat, May 2001, DST, New Delhi, Rs. 12,57,000/-

Improvement of Science & Technology Infrastructure in University, 15th November,2000, Dept. of Science and Technology ,New Delhi, 40,00,000/.

P. R. Sarode, R. B. Prabhu, K. R. Priolkar and V. N. Kamat Dalai, Neutron Diffraction and Scattering Studies of Antiferromagnetic MnTe_{1-x}Se_x, 1st April 2001, Inter University Consortium for DAE facilities, Indore Rs. 83,000.00.

J. A. E. Desa and G. R. Bhat, Design of an Optimally Shielded Neutron Beam Path, 1st April 2001, Inter University Consortium for DAE facilities, Indore Rs. 67,000/-.

A. B. Bhattacharyya and G. R. Bhat, Design Automation and Computer Aids for Interactive Learning Environment in VLSI, 20th December,2000, All India Council of Technical Education, New Delhi, 14,00,000/-

R. V. Pai and G. R. Bhat, Boson Localization: A Density Matrix Renormalization Group Study, 27th September'2000, Dept. of Science & Technology, New Delhi, 9,18,280.00

A. B. Bhattacharyya, Goa University- Controlnet Project on VLSI Design Development for Education., August'2000, Controlnet (India) Vt. Ltd. Verna, Goa, 6,00,000.00/-.

2.3.5 Seminars/Conferences/ Workshops etc.

(a) Organised: (Title/Theme, Dates, Funding agencies, Name of the dept.).

Mobile Computing (IPV6)-Gopi Garge, Zuari Industries Ltd.; Quality in S/W Careers-Gaurav Jaiswal, Editor, Chip; Technology Innovations Krishna Kumar, Editor, PC Quest; Quality & S/W Management- Prof Pankaj Jalote, IIT, Kanpur- Self Sponsored Department of Computer Science.

Relevance of Geography in 2001, Goa University, 30th March 2001, Department of Earth Science.

Indo-US International Conference on Spectral & Inverse Spectral Problems of Schrodinger Equations, during 14th - 20th December,2000, D. S. T. & N. S. F., U. S. A. ,Department of Mathematics.

A Meeting of all Colleges Teachers in Mathematics, Dept. of Mathematics, Goa University 3rd to 4th April, 2001, Department of Mathematics.

66th Meeting of Indian Academy of Sciences, 24th to 26th November'2000, CSIR, IAS, Jointly with National Institute of Oceanography, Dona Paula, Department of Physics.

Research Supervision in Indian Universities, 18th to 20th August' 2000, AIU, Jointly with Association of Indian Universities, New Delhi , National Institute of Oceanography, Dona Paula , Department of Physics

(b) (i) Attended: Seminars/Conference: (Teacher, Theme of conference, Place, Date, Title of paper).

A.V.Sa1kar, Catalysis, NCL-Pune, 23rd January 2001, Redox reaction Perovskites.

A.V.Sallcar & T.Vaz, Materials, IIT-Madras, 18th January 2001, Synthesis Perovskites.

V.M.S. Verenkar, (i) Ferrites, Kyoto-Japan, 18-21st September 2000, Synthesis of MgFe₂O₄ from chemically beneficiated iron ore rejects. (ii) Advanced Inorganic Materials, Chennai-India, 18-19th January 2001, Combustion synthesis of nanoparticle nickel ferrite associated with in situ γ-Fe₂O₃ formation. (iii) Advanced Inorganic Materials, Chennai- India, 18-19th January 2001, Synthesis of NTC thermistors by oxalic precursor route (iv) Material Science, Tiruchirappalli-India, 29-30th September 2000, Synthesis and characterization of nickel manganite from different precursor route for thermistor application. (v) Materials research and design, Kochi-India, 1-3rd March 2001, Synthesis and characterization of an oxide electrode material.

K.S. Rane & Rajesh Pednekar, Inorganic Materials for the New Millennium, Indian Institute of Technology (IIT), Chennai, 18th January 2001, *Value added materials from Goan iron ore rejects : La²⁺ Sr_x4410_{(3-x)M}*.

J.B. Fernandes, national Conference, Catalysis, NCL-Pune, 23-25th January 2001.

B.R. Srinivasan and B.K. Verencar (i) Reactivity studies of (MS₄)²⁻ (M=Mo,W) towards Zn(II) and Mn(II) in the presence of aliphatic amines : Indian Council of Chemists 19th annual Conference, Kuvempu University, November 2000. (ii) Mixed metal sulfides derived from (MS₄)²⁻ (M=Mo,W) anions: *Inorganic Materials for the new millennium* IIT Madras, Chennai January 2001. (iii) Synthesis, X-rays structure characterization and reactivity studies of ethylenediammonium

Under the collaborative research programme between Dept. of Physics, Goa University, Goa, Solid State and Structural Chemistry Unit of Indian Institute of Science, Bangalore and Institute of Scientific and Industrial Research, Osaka University, Osaka, Japan Prof. P. R. Sarode and Dr. K. R. Priolkar from Goa University and Shri Parthasarathi Bera from Indian Institute of Science Bangalore visited Synchrotron Radiation Research Facility, Spring-8, Japan to conduct EXAFS experiments on noble metal-ceria automobile exhaust catalyst during May 2001.

2.4 FACULTY OF LIFE SCIENCES & ENVIRONMENT

2.40 General Information regarding faculty: (Departments and Degrees).

DEPARTMENT OF BOTANY: (vi. Sc., Ph.D.)

DEPARTMENT OF MARINE SCIENCE &

BIOTECHNOLOGY: (M.Sc., Ph.D.)

DEPT. OF MICROBIOLOGY (M. Sc., Ph.D.)

DEPARTMENT OF ZOOLOGY: (M.Sc., Ph.D.)

The faculty also offers an M.Phil in Environmental Sciences

FACULTY BOARD

U. M. X. Sangodkar, *Chairman*

S. Mavinkurve, *Member*

D. J. Bhat, *Member*

G. N. Nayak, *Member*

P. V. Desai, *Member*

Joe D'Souza, *Member*

C. L. Rodrigues, *Member*

A. B. Shanbhag, *Member*

I. Furtado, *Member*

S. Nazareth, *Member*

2.41 List of Teaching Staff: (Name, Qualifications, Designation).

DEPARTMENT OF BOTANY - (DST-FIST SPONSORED DEPT)

D. J. Bhat, Ph.D., *Professor*

Vijaya Kerkar, Ph.D., *Lecturer*

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

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

N. K. Kamat, Ph. D., *Project Scientist*

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

S. Krishnan, MD., *Lecturer*

DEPARTMENT OF MARINE SCIENCE & BIOTECHNOLOGY

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

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

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

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

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

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

U. Barros, Ph.D., *Sr. Lecturer*

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

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

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

Aftab Can, M.Tech., *Lecturer*

DEPARTMENT OF MICROBIOLOGY

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

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

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

S. Bhosle, Ph.D., *Reader*

I. Furtado, Ph.D., *Reader*

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

S. Garg, Ph.D., *Lecturer*

DEPARTMENT OF ZOOLOGY - (DST-FIST SPONSORED DEPT)

P.V. Desai, Ph.D, B.Ed., *Professor & Head*

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

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

I. K. Pai, Ph.D, *Sr. Lecturer*

R. Roy, Ph.D., *Sr. Lecturer*

2.42 Highlights of the Research Activities:

Department of Botany: Research in the fields of Bio-diversity, Utilisation and Taxonomic studies of plants, fungi, algae and ferns of the Western Ghats area in Goa region. Building up a major botanical garden and herbarium. Also work is being carried out on aspects of environmental stress and crop productivity, light as stimulus for development/regulation of various physiological processes, application of mycorrhizae in revegetation of mining areas, exploration of medicinal plants and histochemistry and aroma biology of rice. In addition, the department is developing a regional Fungus culture collection facility.

Department of Marine Science & Biotechnology: Study of agarases of special characteristics and of commercial importance from deep-sea bacteria. Biotechnological degradation of the oil spill and tar ball degradation by means of selective marine microbial consortia developed for Marine Pollution Control. Establishment of methods of study risk and its assessment due to recombinant DNA in controlled marine conditions. Processes for preparation of proteases and xylanases from marine microorganisms. Important toxins from marine organisms of commercial importance. Validation of faculties for effluent treatment based on marine organisms. Screening and characterization of alginolytic bacteria. Alkaloids of medicinal value by plant tissue culture. Taxonomy of Corals and Biodiversity. Remote Sensing through radioactive transfer mode and circulation of watermasses in Arabian Sea. Biogeochemical cycling of environmental *sensitive elements in the* near shore regions and Behaviour of aluminium and other trace metals in estuaries. Aquaculture and Fisheries.

Department of Microbiology: Involved in the following research areas with funded and non-funded projects: (i) Degradation of aromatic compounds by *Pseudomonas mendocina* p2d. (ii) Nutrient Broth-A Killer medium for *Sphingomonas paucimobilis* Strain S. (iii) Studies on bacteria from mangrove ecosystem producing polyhydroxy butyrates. (iv) Screening of microorganisms from Coastal, marine and estuarine habitats; study of their bioactive metabolites. (v) Study of pigmented bacteria from mangrove ecosystems. (vi) Studies on quality assessment of milk and certain cooked cured meat from the Goa Market. (vii) Isolation of extracellular polysaccharide-producing cyanobacteria from salt pans of Goa & clarification of Industrial waste waters. (viii) Isolation and biological characterization of a Cyanobacterium, *Chlorogloeopsis* species from salt pan of Goa. (ix) Uptake of arsenic and cadmium by halophilic archae. (x)) Studies on adaptation of halobacterium strain RI to fluctuating physicochemical condition and heavy metal ions. (xi) Evaluation of the response of extremely halophilic microorganisms from estuaries and continental shelf sediments to hydrocarbons. (xii) Biological characterisation of marine bioluminescent bacteria under heavy metal stress and development of bioluminescent microbial sensor for environmental monitoring of cadmium. (xiii) Biological characterisation of organotin Resistant Bacteria from the marine environment of Goa. (xiv) Biodiversity of casein degrading bacteria from man-made salt pans of Goa, and their production of thermostable proteinases. (xv) Studies on fungal pigment as an antimicrobial/biocontrol agent.(xvi) Metal biosorption by *Fusarium solani* as a bioremedial measure against metal pollution.

Department of Zoology: Ecology of wetlands with special reference to water fowls, Seasonal changes in bird diversity, Role of lipids during post hatching developments of fowls, Study of physico-chemical and Biological characteristics of water bodies in Goa with special reference to zooplanktons and their ecology, Search for marine bacteria as source of fatty acids, Congenital malformation in Human, population of Goa, Genetic studies of breast cancer in Goa, Neurodegeneration, Electrophysiology of different neurons and heart tissues, Tissue culture of marine organisms, Remodelling of human tooth connective tissue and active transport of nutrients.

2.4.3 List of Visiting Scholars: (Name of Scholar, Institutional Affiliation, Title of Lecture, Date).

Ch. Shashikala & Ch. V. Ramana, Centre for Environment, JNTU, Hyderabad, 22nd May 2000.

S.C.Kundur, Prof. & Head, Department of Biotechnology, I.I.T.,Kharagpur,22nd May 2000.

N. S. Punekar, Biotechnology Centre, I.I.T., Bombay, Mumbai-400 076, 29th September 2000.

Yasuhiro Sugimori, 306, 7-5-10, Kinuta, Setagaya, Tokyo, Japan, 1st December 2000.

Sanjay Mense, Sherubtse College, Bhutan, 16th December 2000.

Prem Kumar Sharada, Vice-Chancellor, South Gujrat University, Surat-395 007, 3rd January 2001.

Kasturi Datta, Chairperson of Tast Force for HRD Biotechnology, Govt. of India, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110 067, 24th January 2001.

B. D. Singh, School of Biotechnology, Banaras Hindu University, Varanasi - 221 005 24th Jan.2001.

Meenakshi Munshi, Dept. of Biotechnology, Block - 2, Lodhi Road, New Delhi-3, 22nd February 2001

C. A. Reddy, Michigan State University, USA, Biodegradation of pollutants using white rot fungi, 7th August,2000.

Sunil Reddy, IIT, New Delhi, How is ATP made, 9th December,2000.

B. N. Ganguly UDCT, Mumbai, Industrial Processes-general overview, 10th Jan,2001.

M. S. Wadia, Pune University, Analytical — IRNMR/UV-visible spectroscopy, 7th to 8th March,2001

Pushpa Kulkarni, Mumbai, Advances in Food Microbiology, 28th to 29th March, 2001.

2.4.4 Sponsored Research Projects sanctioned during the concerned academic year: (Name of Investigator/s, Topic, Date of sanction, Funding agency, Amount). .

S. Krishnan, Histochemical and Biochemical Analysis of aroma (2-acetyl-pyrroline and other related compounds) in Basmati & Scented rice varieties, 2001-2003,CSIR,New Delhi, 14.5 Lakhs.

- D. J. Bhat, Culture Extracts of Fungi of 2001-2004 Terrestrial Litter and Freshwater Foam and Detritus for Screening of Secondary Metabolites, 2001-2004, DST New Delhi, 6.72 Lakhs.
- D. J. Bhat, Screening of fungi for secondary metabolites from terrestrial & aquatic habitats of Goa region, 2001-2002, CSIR, Delhi, 6.30 Lakhs.
- S. Ghadi, Fast Track Young Scientist, 2001, DST, Delhi, Rs. 7,24,000/-.
- Savita S. Kerkar, Screening of microbial cultures isolated from hypersaline environments for bioactive compounds, 16th January 2001, CSIR, Rs. 3,10,000/-.
- Rs. 33 Lakhs sanctioned to Zoology Department, by DST under FIST programme as first phase.
- Rs. 10 Lakhs sanctioned to Botany Department, by DST under FIST programme.
- 2.4.5 Seminar/Conference/Workshop etc.
- (a) Organised: (Title/Theme, Dates, Funding Agencies, Department).
- XV National symposium of Indian Photobiology Society of India on 'Light regulated process & application to human welfare', 10th to 13th Jan.2001 DAE, CSIR, DSTE, Goa University Dept. of Botany.
- Decennial year celebrations 1e Jan.2001,Goa University, Dept. of Botany.
- Biotechnology Co-ordinators meeting,20-21st January 2001, DBT, Marine Sc. & Biotech.
- National Seminar on Zoology for 21st Century, CSIR, New Delhi, 7th to 9th 2000.
- (b) (i) Attended: Seminars/Conferences:(Name of Teacher, Theme of conference, Place, Date, Title of paper).
- V. U. Kerkar, CSMCRI, Bhavnagar, Gujarat, 12th to 14th Sept.2001, Deep-water calcified algae from submerged banks of central west coast of India.
- S. Krishnan, 1st World Cereal and Bread Congress, Gold coast Brisbane Australia, 8th to 15th Sept.2000, Structural changes, grainfilling, storage compounds & transport of nutrients during development of rice grain.
- H. B. Menon, NIO., Goa,(PORSEC), 5th to 8th December, 2000, Water leaving radiance from Coastal waters of Goa.
- U. D. Muraleedharan, NIO, Goa, Goa (PORSEC), 5-8th December ,2000, Remote Sensing.
- S. C. Ghadi, NIO, Goa, 17th to 18th August 2000, Supervision of Res. In Universities
- Mavincurve S, (i) International Conference on microbial Biotechnology, Trade and Public Policy/ Osmania University, Hyderabad, 15th to 17th July,2000, 1) Microbial Production of Biodegradable plastics, 2) Polyhydroxyalkanoates in the marine microflora of Goa. (ii) 1st International Conference on Soil contaminants in Asia Pacific Regions, Delhi, 12th to 17th December,2000, Environmental education for coastal management. (iii) Birla College, Kalyan, 28-29th April,2001, Polyhydroxyalkanoates from marine microflora the biodegradable plastics.
- Dubey S. K, (i) Osmania University, Hyderabad, 15th to 17th July, 2000, Genetically engineered mercury (ii)Birla College, Kalyan, Kalyan, 28th to 29th April, 2001, Construction of bioluminescence sensors.
- S. Garg, Osmania University, Hyderabad, 15th to 17th July 2000, Response surface methodology in predicting dependency of extracellular proteinase production by *Streptomyces olivaceus* on medium components.
- I. Furtado, Asia Pacific Conference/Hong Kong University Hong Kong, July,2000, Algal Biotechnology.
- . Shanbhag: (i) Dept. of Marine Biology, Karwar, Karnatak University, Seasonal changes in the diversity profile of the birds of the mudflats of Chorao island of Mandavi estuary, Goa. Pg. 10, 6th to 8th November 2000. (ii) Distribution pattern of three species of Nemipterids along the coast of Goa. Pg. 22, 2nd to 8th November, 2000.
- S. K. Shyama (i)National Seminar, Mangalore University, Mangalore, 1st to 3rd December 2000, *Congenital malformation in Goa*. (ii) Malathion induced cytogenetic damage in mice, *Mus musculus*.
- I.K. Pai, (i) Entomocongress, 2000,Trivendrum, 5th to 8th November,2000,Butterfly *diversity of Goa*. (ii) 1st All India Congress of Zoology, Madhepura, BNM University, 17th to 19th November,2000, "*Biodiversity of Goa with special reference to Butterflies*."
- R. Roy, (i) 5th Asia Pacific Environmental NGO's Conference, Agra, 22nd to 26th September, 2000, *Seasonal variations of certain limnological parameters in some waterbodies at Quepem Taluka, Goa*. (ii) 3rd Congress of FIPS at University of Calcutta, Kolkotta, 24th to 26th November,2000, *Role of lipids during post hatching development of Gallus domesticus*.
- (b) (ii) Attended: Workshops: (Name of Teacher, Theme of workshop, Place, Date).
- V. U. Kerkar, (i) Coastal Biodiversity, N.I.O., Goa, 24th to 28th Aug.2000. (ii) *Gracilaria* spp. from Indian shores, Chennai (Tamil Nadu), 14th to 19th May 2001.

- U. Burns, Recent advances in Biotechnology, Central Institute of Fisheries Education, Mumbai, August-September, 2000.
- Aftab A. Can, Remote Sensing (PORSEC), NIO, Goa, 1st to 4th & 5th to 8th December, 2000.
- Savita S. Kerkar, S. Ghadi & U. M. X. Sangodkar, Workshop on "Patent information for R & D and Industry, NI., Dona Paula, Goa, 11-12th January, 2001.
- S. Upadhyay, BOBMEX, NIO, Goa, 15th to 16th February, 2001.
- A. B. Shanbhag, Bird banding workshop conducted by Bombay Natural History Society, Nashilc, Nov. 25th Nov. to 9th Dec., 2000.
- S. K. Shyama, Winter school in Modern Biology at Indian Institute of chemical Biology, Culcutta, 6th to 17th November, 2000.

2.4.6 Publications: (a) Research articles: (Name, Title, Journal, Volume, Month/Year).

- Rodrigues R. Pinto, S & Sharma P. K., Changes in Chlorophyll fluorescence membrane lipids pigments & plant hormones in sensing leaves of *Cassia lora L*, J. Plant Biol. Vol. 27, 2000.
- Vaishali C. Joshi, S. Rajkumar & M. K. Janarthanam, Distribution of *Oberonia branchyphylla* Blatt. & McCann-A rare, endemic orchid of Western Ghats, India, Journal of Bombay Natural History Society, vol. 98(1): 153-155, 2001.
- S. Rajkumar Vaishali C. Joshi & M. K. Janarthanam, New records of the family Eriocaulaceae from Goa,, Journal of Bombay Natural History Society, vol. 98(1): 155-156, 2001.
- M. K. Janarthanam, Vaishali C. Joshi & S. Rajkumar, *Glyphochloa hetuyia* new species of Poaceae from Goa, India, Rheedeia, Vol. 10(2): 99-102, 2000.
- Krishnan S, G. A. I. Ebenezer & P. Dayanandan, Histochemical localisation of storage component in caryopsis of Rue (*Oryza saliva I.*), Current Science, Vol. 80(4): 567-571, 2001.
- Krishnan S., N. P. Samson, P. Ravichandran, D. Narasimhan, P. Dayanandan, Phytoliths of Indian Grasses and their potential use in Identification., Botanical Journal of Linnean Society, Vol. 132: 241-253, 2000.
- Rodrigue B. F., Diversity of arbuscular mycorrhizal (AM) fungal species from iron ore mine wastelands of Goa, The Indian Forester, 126(11): 1211-1216, 2000.
- Rodrigue B. F. & V. Jaiswal, Occurrence and distribution of arbuscular mycorrhizal fungi in coastal sand dunes vegetation of Goa, Current Science, Vol. 80(7): 826-827, 2001
- M. Jacob & D. J. Bhat, Two new conidial fungi from India, Crypt. Mycol, Vol. 21(2): 81-88, 2000.
- D. J. Bhat, Planning for biodiversity study of fungi in India, Glimpses in Pl. Sci, 59-62, 2000.
- D. J. Bhat, Diversity and abundance of fungi on decaying leaf litter of *Ficus benghalensis*, Ecology of fungi, 33-38, 2000GU.
- D. J. Bhat, Effect of carbohydrate enrichment on the biodegradation of lignocellulose waste with *Pleurotus flotrida* as animal feed, 2000GU.
- U. D. Muraleedharan & P. M. Muraleedharan, Hydrological structure and biological productivity of the Tropical Indian Ocean, PORSEC 2000, Vol II, Pg. 33, 5th to 8th December, 2000.
- Azara Ansari, C. U. Rionkar & U. M. X. Sangodkar, Population density of benthic invertebrates in the tropical tidal flats, Indian Journal of Marine Sciences, 2000.
- V. M. Matta, Geochemical Anomalies of Sodium and Potassium in sediments of Godavari estuary, India, Oceanologica Acta, 2000.
- T. M. Raghavan & I. Furtado, Tolerance of an Estuarine halophilic Archaeobacterium Hydrocarbons, Bull. Env. Contam Toxicology, 65: 725-731, 2000.
- Kowshik M. & S. Nazareth, Metal tolerance of *Fusarium solani*, Ecology Environment Conservation, 6(3), 272-276, 2000.
- V. Gupta, T. Satyanarayana, & S. Garg; General aspects of mycorrhiza. In Mycorrhizal Biology; Eds. K. G. Mukerji, B. P. Chamola and J. Singh/Kluwer Academic & Plenum Publishers, New York. Pp 27-44, 2000.
- I. K. Pai, (i) Management of pesticide caused crisis in Sericulture, Indian Silk, 39 (5), 2000. (ii) Andaman sea Zooplankton: Past experience, Present endeavor and Future perspectives, Proc. 2nd Int. Cong. On Maritime Tech. Innovation and Research. Cadi. 3, Spain, Pg. 1320-1326, 2000. (iii) Ecology of Andaman Sea; Past, present and future. In Book *Ecology, Ethology and Aquatic Biology* Edited by Arvind Kumar, Daya Publications, New Delhi, 2000.

(b) Books: (Name, Title, Publisher, Year)

- D. J. Bhat & S. Raghukumar (Eds), Ecology of Fungi; 192 pp (Proc. Internl. Symposium), Goa University, 2000.

2.4.7 Sponsored Consultancy Work Undertaken : (Name of teacher, Nature of consultancy, Name of sponsorer, Duration of consultancy, Amount).

Identification of microorganisms for M/s. E. Merck (India) Limited.

2.4.8 (b) Ph.D. degree conferred during this year: (Name of the candidate, Subject, Title of the Thesis).
Sangeeta Sankhallcar, Botany, Photoinhibition of photosynthesis and possible role of xanthophyll cycle in protection against photodamage in sorghum seedlings.

Vaishali C. Joshi, Botany, Taxonomic and phytogeographical investigations on endemic plants of Western Ghats with special reference to Goa.

Miriam Jacob, Botany, Studies on Diversity, Ecology and activity of the microfungi associated with *Ficus benghalensis* Linn. and *Carissa congesta* Wight from Goa state.

Rajiv Kumar, Botany, Conservation and management of mangroves.

Subodh Kumar Chaturvedi, Marine Science, Goa University

Cynthia Olimpia Lydia Gonsalves, Marine Science, Goa University

Neil Fernandes, Marine Biotechnology, Goa University

Janneth Fatima Indira Rodrigues, Marine Biotechnology, Goa University

Anita Das, Studied on Coconut Husk Retting and Bioinoculant Treatment for Process Improvement in Natural Systems, Microbiology.

Shanti Desai, Zoology, The study of kidney of mouser (*Mus musculus*) exposed to monocrotophos and DDVP, P. V. Desai.

Renuka Ramachandra, Zoology, Electrophysiological and Biochemical studies of spinal cord of mouse (*Mus musculus*) under the influence of DD VP and Monocrotophos , P. V. Desai.

Renu walia, Zoology, Limnological studies on some freshwater bodies of southern Tiswadi (Goa) with special reference to life of wetland birds, A. B. Shanbhag.

S. K. Naik, Zoology, Some studies on Biology of Nemipterids of Goa Coast, A. B. Shanbhag.

Sameer Terdalkar, Zoology, Studies on the..... Andaman Sea, I. K. Pai.

2.4.9 Any other information.

(a) Awards/Honours conferred:

B. F. Rodriguese, M. J. Thirumalachar memorial award for best poster presentation of International Symposium on frontiers of Fungal diversity & diseases in south east Asia, DDV Gorakhpur University, U.P., India.

I. K. Pai, Awarded membership to XX Indian Antarctic Expedition.

2.5 FACULTY OF MANAGEMENT STUDIES AND FACULTY OF COMMERCE

2.5.0 General Information regarding faculty: (Departments and Degrees)

DEPARTMENT OF MANAGEMENT

DEPARTMENT OF COMMERCE: (M. Com.

STUDIES: (MBA, Ph.D.)

MRS., M. Phil., Ph.D.)

FACULTY BOARD

A. Sreekumar,
Chairman

Dilip Kare, Member

B. Ramesh, Member

A. G. Balasubramanian, Member

N. Mekoth, Member

Satish Kumar, Member

M. S. Dayanand, Member

K. B. Subhash, Member

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

DEPARTMENT OF MANAGEMENT STUDIES

Balasubramanian A. G., Fellow of JIM, Reader & Head
Sreelcumar, Fellow of JIM, Dean & Professor Dilip
D Kate., Ph.D., Professor
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.,
Professor Y.V. Reddy, Ph.D.,
Reader K. B. Subhash, Ph.D.,
Lecturer

Anjana Raju, M.Phil., SrLecturer
Rajendra Prasad, MBA., Lecturer

2.5.2 Highlights of the Research Activities.

The Department of Management: is actively concentrating to develop research activities through its contribution to the Tourism Study Group. Research proposals are under preparation and some have been submitted to funding agencies. Presently, five candidates are registered formally for their Ph.D.

Doctoral Research Work undertaken in the Department of Commerce by all staff members include the areas of Mutual Funds, Venture Capital, Investor production, Stock Market Trading, Primary & Secondary Capital Market.

30 Project works of [M.Com.](#) students were guided by the Department as part of the Corporate Internship of [M.Com.](#) IV semester. All the project works were based on the work experiences of the students in industries in Goa.

2.5.3 Visiting Scholars under UGC or Endowment Scheme.

There were no scholars under the above schemes. Some academicians and senior executives visited the Department and held sessions in the Department.

- a) Prof. Carlos Costa, Prof. Dept. of Eco, Mgmt & Ind Engg, University de Aveiro, Portugal.
- b) Prof. Marina G. Alvares Weigner, University of App. Sciences, Germany.
- c) Mr. Suhas Mallya, National Centre for Software Technology, Bangalore.
- d) Mr. Basil D'Cunha, HR Consultant.
- e) Mr. M. A. Sundaram, Visiting Faculty, MES Inst. Of Mgmt. Studies, Vasco-da-Gama.
- f) Prof. Joaquim Da Costa, Prof. Dept. of Eco, Mgmt & Ind Engg, Universidade De Aveiro, Portugal.
- g) Prof. Antonia Serra, Inst., Superiode Econimia E Gestao, Lisbon, Portugal.
- h) Mr. Prakash Advani, CEO, [FreeOS.com](#)
- i) Mr. Vikram Agarwal, IIT, Bombay.
- j) Mr. H. S. Dhaliwal.

Moni Abraham, IITM Inst. F Inform. Technology Mangt, Managerial Perspectives of the Computers, June 2000 to May 2001

Rajesh Chedda, Portfolio Management, June 2000 May 2001.

Mitendra Alve, VNS Bandekar College, Mapusa , PC Productivity tools for Manager, June 2000 to May 2001

V. Sukhtankar, Goa Institute of Management Studies, Ribandar, Computer Appl. & Securities Industry June 2000 to May 2001

Louis Vaz, C.A., Panjim, Advanced Management & Cost Accounting, June 2000 to May 2001.

Savari Muthu, Management Consultant, Panjim, Indirect Taxation, June— May 2001.

M.R. Patil, VNS Bandekar College, Mapusa, Advanced Marketing Management June 2000 to May 2001

Herwin Furtado, St. Xavier's College, Mapusa, Advanced Human Resource Management, June to May 2001

L. Bhohe, C.A. Panjim, Taxation Law & Practice, June 2000 to May 2001.

Tensigh Rodrigues, Portfolio Mangt & Mangt. of Mutual Funds, June 2000 to May 2001.

Swati Rane, C.A., Panjim, Case Studies on Corporate Reporting, June 2000 to May 2001.

N.J. Prabhudesai, C.A. , Panjim, Direct Tax Laws, June 2000 to May 2001.

Ajay Sikri, Asstt. Vice President, National Stock Exchange, Mumbai.

M. T. Raju, Economics Advisor, SEBI, Mumbai,

V. R. Narasimham, Senior Vice Present, NSOL, Mumbai.

Uma Shashikant, Professor, UT! Inst. Of Capital Markets, Mumbai.

Thomas Susan, Faculty, IGIDR, Mumbai.

Pushpangdhan, MD, UT! Securities Exchange of India Ltd., Mumbai.

P. K. Rao, Divisional Manager, HRO & Training SHCIL, Mumbai.

Mohan Nagrajan, Chief Economist, CARE Ltd., Mumbai

Navnith Bansal, Deputy General Manager, BSE Training Centre, Mumbai.

Naresh Kumar, senior Consultant, VIDHI Corporate Services Pvt., Ltd. New Delhi.

2.5.4 Sponsored Research Projects sanctioned during the concerned academic year (Name of Investigator/s, Topic, Date of sanction, Funding agency, Amount).

Ramesh, Evaluation of Vocational Education In Goa, 17/03/2001, UGC, 1,74,040/-

Anjana Raju, *Mutual Funds Prices and NAV: An Empirical Analysis of Discounts in the 3 Indian context*, March 2001, UGC ,1,40,000/-

2.6 (vi) REMOTE SENSING LABORATORY (RSL)

A Remote Sensing Laboratory has been established with financial assistance from Indian Space Research Organisation (ISRO). The facilities of the laboratory include both hardware and software. To facilitate smooth functioning of the lab a server and four nodes have been procured. Moreover facilities have been created for image processing. To accomplish the task of image processing, IP packages such as ENVI and ERDAS imagine have been procured. In addition, conventional equipment such as mirror stereoscopes, pocket stereoscopes and light tables have also been procured. An interdisciplinary course has been introduced in most of the science Depts. This laboratory provides hands on training to students who opt for interdisciplinary course on remote sensing and research. The Laboratory was formally opened by Dr. K. Kasturirangan, Chairman, Indian Space Research Organization in November 2001.

Different science Depts. have research projects wherein remote sensing component is either a part of the study or complete study is on the basis of the analysis of remotely sensed data. Dept of Marine Science and Biotechnology has one such ongoing project.

2.6 (vii) OCEAN SCIENCE AND TECHNOLOGY CELL

Ocean Science and Technology Cell (OSTC) in the field of Marine Microbiology was established in January 1998, by the Department of Ocean Development. The cell recommends and monitors the progress of research projects in the field of Marine Microbiology and functions under the guidance from Management Board (MB). During the period under report, following activities were held.

1. Management Board Meetings:

Seventh and eighth Management Board meeting were held on 23 September 2000 and 15th December 2000 respectively.

2. Workshops (Ongoing and Short listed project proposals):

A. Ongoing : The status of the following five ongoing projects funded by DOD was presented by respective Principal Investigators on 23rd Sept. 2000 and 15th Dec. 2000.

Achutankutty Shanta, N.I.O, Goa, Role of marine microaerophilic and anaerobic bacteria on DMS flux in estuarine ecosystem.

Ramaballav Roy, Goa University, Marine bacteria as potential sources for Linoleic and Linolenic acid in farmed animals.

Dubey S., Goa University, Studies on marine bacteria transforming organotins and development of microbial sensors for monitoring organotins in marine environment.

Kathiresan K. CAS in Marine Biology, Tamil Nadu, Agricultural fungicide from Marine Actinomycetes.

K. Indrani College of Fisheries, Mangalore, Viruses of marine shrimp along south coast west coast of India.

B. Short Listed Project Proposals :

15th Dec. 2000: Eight short listed proposals, out of nine received at OSTC were presented.

Recommendations have been referred to MB and then to DOD.

3. Meet of the Research Coordinators :

Second meeting of the Research Coordinators was held on 29th & 30th June 2000 at Department of Ocean Development, New Delhi under the chairmanship of Secretary, DOD Dr. A. E. Muthuayagam.

4. Training /Research:

A Memorandum of Understanding is signed jointly by BARC and OSTC (Marine Microbiology) in order to undertake research work and train the researchers on areas of mutual interest. Accordingly, the research is undertaken jointly in the area of taxonomic characterisation of extremophilic Marine microorganisms from marine ecosystem and the sequencing of DNA.

2.6 (viii) ADVANCED CENTRE FOR INFORMATICS (ACI)

A. Training Programmes:

The Advanced Centre for Informatics (ACI) conducted training programme for Government employees under the e-governance project. Over 500 trainees were put through a rigorous one-week programme over four months starting from August 2000.

This programme included training in the Basics of Computer Usage, Word Processing , Data Processing, Internet and e-mail usage.

B. Participation:

The ACI participated in a joint programme with Goa University Library in Information System for Library Automation- a weeklong programme for practising librarians.

The ACI participated in the setting up of the UGC sponsored *Internet Centre* at the University.

C. Projects:

A six-month project on 'Paperless Office' was supported by ACI by way of providing the computer facilities. This project was carried out by an MCA student under the guidance of faculty member of the Department of Computer Science and Technology of the University.

Another six month project on 'Web-Based Interactive Groupware' was carried out by MSC student under the guidance of Visiting Faculty of the Department of Computer Science and Technology of the University.

D. Courses: ACI computer facility was made available for conducting M.Sc. Electronics laboratory course.

2.6 (ix) DISTANCE EDUCATION USING INTERACTIVE TELEVISION FOR INSTRUCTION (DEITI)

Under the newly established Directorate of Distance Education, the University took a bold initiative of setting up of DEITI with the support of Distance Education Council (Govt. of India) and ISRO, to enhance the quality of education in Goa. As a first step, setting up of the infrastructure required for this was taken up in this year. It is expected that broadcasts would begin in 2001-02 and new courses also launched

STUDENTS ENROLMENT

Faculty	M.A./M.Sc./ <u>M.Com.</u> /M.C.A. /MBA			M.Phil		Ph.D./ Diploma	Total
	Pt. I/Sem. I	Pt. II/ Sem.III	Sem. V	Pt. I	Pt. II		
Languages & Literature	69	56				08	133
Social Sciences	79	60			1	09	149
Natural Sciences	79	75				08	162
Life Sciences & Environment	53	55			4	12	124
Commerce	47	44				01	92
Management	42	34				02	78
Total	369	324			5	40	738

Results:

	M.A.	M.Sc.	<u>M.Com.</u>	MBA	M.C.A.
Admissions for Part II/Sem.V	116	130	44	34	
Admitted for Examinations*	125	161	30	34	28
Successful in Examinations	106	135	30	31	28

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

PART 3: GENERAL ADMINISTRATION

3.1 GENERAL INFORMATION: The University took up the construction of three buildings in order to widen the infrastructure facilities for the students community with the construction of these buildings the building assets of this University is richer by approximately 1,400 sq. mts. The following buildings have been completed with the financial assistance from UGC to extent of about 75% with remaining grant made available with Government funds. The buildings are 1) Construction of applied Zoology Lab. 2) Construction of Building for Examination Section. The building for Shopping Complex is also completed with Goa Government grants. In addition to above, the building for Computer Lab. with approximate area of 400 sq. mts is under construction. The University has been able to take up this project under the MPLAD scheme. The Planning and designing of the following works has been completed during the year: 1) Extension of faculty of Pure Science of Faculty Building and 2) Construction of Indoor Stadium. Financial approval for the above projects is awaited. Works will be taken for execution once approval is obtained.

3.2 COMPUTERIZATION OF UNIVERSITY ADMINISTRATIVE FUNCTIONS: The University has received a special grant from UGC for upgradation of Computer Centre to extend better computing facilities in the Campus with respect to Hardware & Software. Accordingly, a proposal for upgradation has been submitted to the UGC for approval on the basis of which all the departments will be connected to the Administration and Library by extending the existing fibre .optic network. It is also planned to computerise more areas of administrative activities for providing better and efficient services to the students, faculties and the visitors.

3.3 CONDUCT OF EXAMINATIONS: The University has conducted 74 under-graduate and post-graduate examinations in various faculties during the first and second half of 2000-2001. Altogether 7394 students appeared at the examinations, and out of these 5785 were declared successful.

The University awarded 25 Ph.D degrees in different subjects during the academic year 2000-2001.

3.4 GOA UNIVERSITY LIBRARY. and Information Resource Centre of Goa University is in its i iii year. A library conceived in the year 1965 as a part of P. G. Centre of Bombay University then called CPIR with its modest collection grown into a well developed Goa University Library of today over the years. Presently its collection holding has reached to a total of 90611 with the addition of 3076 books for the year 2000-2001. The library has been designated as an LT. N. Depository centre and it is receiving documents and United Nation's publications since 1996. The Goa University library subscribes 141 foreign journals and 199 Indian journals apart from the journals received on gratis. The other activities of the Library are as follows:

A National Seminar was organised by Goa Library Association (GOLA) and Goa University Library to mark the 108th Anniversary of Dr. S.R. Ranganathan, Father of Library movement in India during 9th to 12th August, 2000. The inaugural function was held at Kala Academy and inaugurated by His Excellency, Shri Mohammed Fazal, Governor of Goa. On this occasion the former Vice Chancellors of Goa University and the retired Librarians of Goa were felicitated. The topic for the three-day seminar was *Library Public Relations: Challenges of the new Millennium*. The papers presented for the seminar was published in a book form and was kept for sale during the seminar.

National Book Week: Goa University Library in collaboration with Goa Library Association and Central Library, Panaji had celebrated by organising various competitions for school and college students. An essay competition on the following topics was held on 14th Nov..2000 for the students of 8th to 10th standard:

a) Plastic - a National hazard; b) Role of citizen in pollution free environment c) Impact of electronic media on reading habits. A quiz competition was held on 15th Nov. 2000 for the students of higher secondary.

VISITS BY DIGNITARIES TO LIBRARY

Dr. L. U. Joshi, Ex-Director, Govt. of India and Member Planning Board, Govt. of Goa — 19th July 2000

Shri A. R. Kohli, Hon. Principal director, D.A.V. Institute of Management, Faridabad & Member of Executive Council, Goa University - 9th September 2000.

Mr. Feodor Starcevic, Director, U. N. Information Centre, New Delhi — 20th November 2000.

Dr. K. Kasturirangan, Chairman, ISRO, Bangalore - 25th November 2000.

Shri Prem Shanker, Vice- Chancellor, South Gujarat University - V January 2001.

Dr. Sc. Hildrun Kretschmer, President, International Society for Scientometrics & Informatics, Germany -
r March 2001

Miss Jennifer Chambers, Western Australia - 23' March 2001

Dr. L. A. Chambers, Western Australia - 23rd March 2001

Sabuso Sata, Nihon University, Japan! - 27th March 2001

Toshio Suzuki, Nihon University, Japan - 27th March 2001

3.5 STUDENTS SPORTS ACTIVITIES: Sports Section of the University had conducted various Inter-Collegiate tournaments. The following are the events:

TEAM EVENTS: (Name of the Sports, Position, College)

Table Tennis (M), Winners, St. Xavier's College of Arts and Science, Mapusa	Arts, Science and Commerce, Quepem
Table Tennis (M), Runners up, MES College of Arts and Commerce, Zuarinagar	Cycling (M), Winners, Chowgule College of Arts and Science, Margao
Table Tennis (W), Winners, Shree Damodar College of Commerce and Economics, Margao	Cycling (Men), Runners up, Govt. College of Arts, Science and Commerce, Khandola
Table Tennis (W), Runners up, MES College of Arts and Commerce, Zuarinagar	Tennikoit (W), Winners, G. R. Kare College of Law, Margao
Badminton (M), Winners, Saraswat College of Commerce and Management Studies, Mapusa	Tennikoit (W), Runners up, Mallikarjun College of Arts and Commerce, Canacona
Badminton (Men), Runners up, MES College of Arts and Commerce, Zuarinagar	Football (M), Winners, .Saraswat College of Commerce and Management Studies, Mapusa
Badminton (W), Winners, St. Xavier's College of Arts and Science, Mapusa	Football (M), Runners up, St. Xavier's College of Arts and Science, Mapusa
Badminton (W), Runners up, Damodar College of Commerce and Economics, Margao	Football (W), Winners, Cannel College for Women, Nuvem
Judo (M), Winners, Govt. College of Arts, Science and Commerce, Sanquelim	Football (W), Runners up, St. Xavier's College of Arts and Science, Mapusa
Judo (M), Runners up, Govt. College of Arts, Science and Commerce, Quepem	Kabaddi (M), Winners, Govt. College of Arts, Science and Commerce, Sanquelim
Judo (W), Winners, Govt. College of Arts, Science and Commerce, Sanquelim	Kabaddi (M), Runners up, C. E. S. College, Cuncolim
Judo (W), Runners up, Govt. College of Arts, Science and Commerce, Ithandola	Kabaddi (W), Winners, Govt. College of Arts, Science and Commerce, Sanquelim
Chess (Mix), Winners, College of Engineering, Farmagudi	Kabaddi (W), Runners up, Saraswat College of Commerce and Management Studies, Mapusa
Chess (Mix), Runners up, GVM College of Commerce & Economics, Ponda	Basketball (M), Winners, Chowgule College of Arts and Science, Margao
Weightlifting (M), Winners, Saraswat College of Corn. and Management Studies, Mapusa	Basketball (M), Runners up, Damodar College of Commerce and Economics, Margao
Weightlifting (M), Runners up, St. Xavier's College of Arts and Science, Mapusa	Basketball (Women), Winners, St. Xavier's College of Arts and Science, Mapusa
Powerlifting (M), Winners, V M Salgaonkar College of Law, Panaji	Basketball (Women), Runners up, Cannel College, Nuvem
Powerlifting (Men), Runners up, VNS Bandekar College of Commerce, Mapusa	4x400 Mtrs Relay (M), Gold, Saraswat College of Commerce and Management Studies, Mapusa
Best Physique (M), Winners, V. M. Salgaonkar College of Law, Panaji	4x400 Mtrs Relay (M), Silver, MES College of Arts and Commerce, Zuarinagar
Best Physique (M), Runners up, Dhempe College of Arts and Science, Miramar, Panaji	4x400 Mtrs Relay (M), Bronze, 4x400 Mtrs. Relay (W), Gold, St. Xavier's College of Arts and Science, Mapusa
Cross Country (M), Winners, Naval Academy, Verem	4x400 Mtrs Relay (W), 'Gold, Saraswat College of Commerce and Management Studies, Mapusa
Cross Country (M), Runners up, Govt. College of Arts, Science and Commerce, Quepem	4x400 Mtrs. Relay (W), Silver, St. Xavier's College of Arts and Science, Mapusa
Cross Country (W), Winners, Rosary College of Arts and Commerce, Navelim	
Cross Country (W), Runners up, Govt. College of	
Swimming (M), Runners up, Govt. College of	

Arts, Science and Commerce, Khandola
 Swimming (M), Winners, Govt. College of Arts,
 Science and Commerce, Quepem
 College of Arts and Science, Mapusa
 4x100 Mtrs. Relay (M), Silver, Saraswat College
 of Commerce and Management Studies,
 Mapusa
 4x100 Mtrs. Relay (M), Bronze, MES College of
 Arts and Commerce, Zuarinagar
 4x100 Mtrs. Relay (W), Gold, St. Xavier's
 College of Arts and Science, Mapusa
 4x100 Mtrs. Relay (W), Silver, Saraswat College
 of Commerce and Management Studies,
 Mapusa

4x400 Mtrs. Relay (W), Bronze, Govt. College of
 Arts, Science and Commerce, Khandola
 4x100 Mtrs. Relay (M), Gold, St. Xavier's
 4x100 Mtrs. Relay (W), Bronze, VNS Bandekar
 College of Commerce, Mapusa
 Decathlon (M), Winners, Saraswat College of
 Commerce and Management Studies,
 Mapusa
 Decathlon (M), Runners up, MES College of Arts
 and Commerce, Zuarinagar
 Decathlon (W), Winners, St. Xavier's College of
 Arts and Science, Mapusa
 Decathlon (W), Runners up, Saraswat College of
 Commerce and Management Studies,
 Mapusa

INDIVIDUAL EVENTS: (Name, Medal, Sports, College).

Amol Kambale, Gold, 1500 Mtrs. Run, Govt.
 College of Arts, Science and Commerce,
 Sanquelim
 Mario Miranda, Silver, 1500 Mtrs. Run, Saraswat
 College of Commerce and Management
 Studies, Mapusa
 John Colaco, Bronze, 1500 Mtrs. Run, Chowgule
 College of Arts and Science, Margao
 Ramania D'Souza, Gold, 1500 Mtrs. Run, St.
 Xavier's College of Arts and Science,
 Mapusa
 Sunita Savaikar, Silver, 1500 Mtrs. Run, St.
 Xavier's College of Arts and Science,
 Mapusa,
 Jeena Gomes, Bronze, 1500 Mtrs. Run, Govt.
 College of Arts, Science and Commerce,
 Khandola
 Leena Colaco, Gold, Shot Put, St. Xavier's
 College of Arts and Science, Mapusa,
 Anisah Begum, Silver, Shot Put, Damodar
 College of Commerce and Economics,
 Margao
 Precila Dias, Bronze, Shot Put,, Damodar
 College of Commerce and Economics,
 Margao
 Anthony Fernandes, Gold, Long Jump, MES
 College of Arts and Commerce, Zuarinagar
 Shailesh Chodankar, Silver, Long Jump, Saraswat
 College of Commerce and Management
 Studies, Mapusa
 Vijaykumar P. Naik, Bronze, Long Jump,
 Chowgule College of Arts and Science,
 Margao
 Anthony Fernandes, Gold, 100 Mtrs. Run, MES
 College of Arts and Commerce, Zuarinagar
 P. D. Shashikumar, Silver, 100 Mtrs. Run,
 Dhempe College of Arts and Science,
 Miramar
 Shailesh Chodanlcar, Bronze, 100 Mtrs. Run,
 Saraswat College of Commerce and
 Management Studies, Mapusa
 Jennifer Fernandes, Gold, 100 Mtrs. Run, MES
 College of Arts and Commerce, Zuarinagar
 Amit Madwalkar, Gold, Judo, 86 Kgs., PG

Rajan Naik, Silver, Judo, 86 Kgs., Govt. College
 of Arts, Science and Commerce, Quepem
 Amit Malkarnekar, Bronze, Judo, above 86 Kgs.,
 Govt. College of Arts, Science and
 Commerce, Quepem
 Jaya Kankanwadi, Gold, 44 kgs., Saraswat
 College of Commerce and Management
 Studies, Mapusa
 Chandrlekha Kadnekar, Silver, Judo, 44 Kgs.,
 Govt. College of Arts, Science and
 Commerce, Quepem
 Suhasini Nagde, Bronze, Judo, 44 Kgs., Saraswat
 College of Commerce and Management
 Studies, Mapusa
 Bhavani Swami, Gold, Judo, 48 Kgs., P. E. S.
 College of Arts & Science, Fartnagudi
 Nivedita Desai, Silver, Judo 48 Kgs., Govt.
 College of Arts, Science and Commerce,
 Sanquelim
 Sharmila Gawde, Bronze, Judo 48 Kgs., Govt.
 College of Arts, Science and Commerce,
 Sanquelim
 Sukorina Fernandes, Gold, Judo, 52 Kgs., Rosary
 College of Arts and Commerce, Navelim
 Jovia Lobo, Silver, Judo, 52 Kgs., Govt. College
 of Arts, Science and Commerce, Ithandola
 Naraji Argatti, Bronze, Judo, 52 Kgs., Govt.
 College of Arts, Science and Commerce,
 Sanquelim
 Rupali Surekar, Gold, Judo, 56 Kgs., Govt.
 College of Arts, Science and Commerce,
 Sanquelim
 Debra D' Silva, Silver, Judo, 56 Kgs., Rosary
 College of Arts and Commerce, Navelim
 Rahi Phadte, Bronze, Judo, 56 Kgs., Govt.
 College of Arts, Science and Commerce,
 Khandola
 Nichola Lobo, Gold, Judo, 61 Kgs., Saraswat
 College of Commerce and Management
 Studies, Mapusa
 Tina Blaggan, Silver, Judo, 61 Kgs., Govt.
 College of Arts, Science and Commerce,

Nita Pednekar, Silver, 100 Mtrs. Run, VNS Bandekar College of Commerce, Mapusa

Venissa Fernandes, Bronze, 100 Mtrs. Run, St. Xavier's College of Arts and Science, Mapusa,

Sandesh Barazankar, Gold, High Jump, Govt. College of Arts, Science and Commerce, Sanquelim

Emanuel Fernandes, Silver, High Jump, Saraswat College of Commerce and Management Studies, Mapusa

Amit Borkar, Bronze, High Jump, MES College of Arts and Commerce, Zuarinagar

Amit Madwalkar, Gold, Discus Throw, VNS Bandekar College of Commerce, Mapusa

Roshankumar Gurav, Silver, Discus Throw, Saraswat College of Commerce and Management Studies, Mapusa

Paul Furtado Zito, Bronze, Discus Throw, Chowgule College of Arts and Science, Margao

Milagres Gaonkar, Gold, 10,000 Mtrs. Run, St. Xavier's College of Arts and Science, Mapusa

Kalidas Harwalkar, Silver, 10,000 Mtrs. Run, , Govt. College of Arts, Science and Commerce, Sanquelim

Vasu Usapkar, Bronze, 10,000 Mtrs, Run, Govt. College of Arts, Science and Commerce, Sanquelim

Sarigita Sawaikar, Gold, 5000 Mtrs. Run, Govt. College of Arts, Science and Commerce, Khandola

Marcelina Coelho, Silver, 5000 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Minakshi Heeramani, Bronze, 5000 Mtrs. Run, Govt. College of Arts, Science and Commerce, Quepem

Amol Kamble, Gold, 800 Mtrs. Run, Govt. College of Arts, Science and Commerce, Sanquelim

Felix D' Souza, Silver, 800 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Mario Miranda, Bronze, 800 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Romania D'Souza, Gold, 800 Mtrs. Run, St. Xavier's College of Arts and • Science, Mapusa

Marcelina Coelho, Silver, 800 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Vanissa Fernandes, Bronze, 800 Mtrs. Run St. Xavier's College of Arts and Science, Mapusa,

Nita Pednekar, Gold, High Jump, VNS Bandekar College of Commerce, Mapusa

Tulsi S. Naik, Silver, High Jump, VNS Bandekar College of Commerce, Mapusa

Sanquelim

Nithya Asokan, Bronze. Judo, 61 Kgs., Govt. College of Arts, Science and Commerce, Khandola

Mary Vivian, Gold, Judo, above 61 Kgs., Chowgule College of Arts And Science, Margao

Poonam Parab, Silver, Judo, above 61 Kgs., Govt. College of Arts, Science and Commerce, Khandola

Jonira Fernandes, Bronze, Judo, above 61 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Akash Kadam, Gold, Weight Lifting, 54 Kgs., , St. Xavier's College of Arts and Science, Mapusa

Shripad Mauzo, Silver, Weight Lifting, 54 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Vinayak Sawaldesai, Bronze, Weight Lifting, 54 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Shekhar Balekar, Gold, Weight Lifting, 59 Kgs., Dhempe College of Arts and Science, Miramar

Kailash Gaonkar, Silver, Weight Lifting, 59 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Sagar Gosavi, Bronze, Weight Lifting, 59 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Amstrong D'Souza, Gold, Weight Lifting, 64 Kgs., St. Xavier's College of Arts and Science, Mapusa

Pravut Chodankar, Silver, Weight Lifting, 64 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Vishwanath Reddi, Bronze, Weight Lifting, 64 Kgs., M E S College of Arts and Commerce Zuarinagar

Andrew Gomes, Gold, Weight Lifting, 70 Kgs, Kare College of Law, Margao

Vinay Chodankar, Silver, Weight Lifting, 70 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Jab Jaishal, Bronze, Weight Lifting, 70 Kgs., Kare College of Law, Margao

Waman Gaitonde, Gold, Weight Lifting, 76 Kgs., V M Salgaonkar College of Law, Miramar

Sharbel Ejipsi, Silver, Weight Lifting, 76 Kgs, PG

Jairam Raut, Bronze, Weight Lifting, 76 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Ambarish Shet Marathe, Gold, Weight Lifting, 83 Kgs., C E S College Arts and Commerce, Cuncolim

Priyesh Gaude, Silver, Weight Lifting, 83 Kgs., V M Salgaonkar College of Law, Miramar

Gajanan Naik, Bronze, Weight Lifting, 83 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Amit Madwalkar, Gold, Shot Put, VNS Bandekar College of Commerce, Mapusa

Roshankumar Gurav, Silver, Shot Put, Saraswat College of Commerce and Management Studies, Mapusa

Ernmannel D'Costa, Bronze, Shot Put, Saraswat College of Commerce and Management Studies, Mapusa

Amit Borkar, Gold, 400 Mtrs. Hurdles, MES College of Arts and Commerce, Zuarinagar

Amol Kamble, Silver, 400 Mtrs. Hurdles, Govt. College of Arts, Science and Commerce, Sanquelim

Vishnu Pethkar, Bronze, 400 Mts. Hurdles, Govt. College of Arts, Science and Commerce, Sanquelim

Anthony Fernandes, Gold, 200 Mtrs. Run, MES College of Arts and Commerce, Zuarinagar

P. D. Shashikumar, Silver, 200 Mtrs. Run, Dhempe College of Arts and Science, Miramar

John Fernandes, Bronze, 200 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Jennifer Fernandes, Gold, 200 Mtrs. Run, MES College of Arts and Commerce, Zuarinagar

Venissa Fernandes, Silver, 200 Mtrs. Run, St. Xavier's College of Arts and Science, Mapusa

Jyoti Chodankar, Bronze, 200 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Leena Colaco, Gold, Javeline Throw, St. Xavier's College of Arts and Science, Mapusa

Precila Dias, Silver, Javeline Throw, Damodar College of Commerce and Economics, Margao

Darling Mecann, Bronze, Javeline Throw, St. Xavier's College of Arts and Science, Mapusa

Nita Pednekar, Gold, Long Jump, VNS Bandekar College of Commerce, Mapusa

Jyoti Chodankar, Silver, Long Jump, Saraswat College of Commerce and Management Studies, Mapusa

Asha Valke, Bronze, Long Jump, VNS Bandekar College of Commerce, Mapusa

Romana D'Souza, Gold, 3000 Mtrs. Run, St. Xavier's College of Arts and Science, Mapusa

Jeena Gomes, Silver, 3000 Mtrs. Run, Govt. College of Arts, Science and Commerce, Khandola

Marcelina Coelho, Bronze, 3000 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Milagres Gaunkar, Gold, 5000 Mtrs. Run, St. Xavier's College of Arts and Science, Mapusa

Mario Miranda, Silver, 5000 Mts. Run, Saraswat

Ivo Alvares, Gold, Weight Lifting, 91 Kgs., St. Xavier's College of Arts and Science, Mapusa

Kaustubh Pitre, Silver, Weight Lifting, 91 Kgs., St. Xavier's College of Arts and Science, Mapusa

Derrick D'Souza, Bronze, Weight Lifting, 91 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Sheldon Lobo, Gold, Weight Lifting, 99 Kgs., V M Salgaonkar College of Law, Caranzalem

Saiprasad Arolkar, Silver, Weight Lifting, 99 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Pankaj Rai, Bronze, Weight Lifting, 99 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Sudesh Natekar, Gold, Weight Lifting, above 108 Kgs., VNS Bandekar College of Commerce, Mapusa

Sherwin Pinto, Gold, Weight Lifting, above 108 Kgs., Dhempe College of Arts and Science, Miramar

Viedson Braganza, Silver, Weight Lifting, above 108 Kgs., V M Salgaonkar College of Law, Caranzalem

Doyle D' Souza, Bronze, Weight Lifting, Above 108 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Sheldiar Balekar, Iron Man, Goa University, Dhempe College of Arts and Science

Mukesh Navelkar, Gold, Power Lifting, 52 Kgs., V M Salgaonkar College of Law, Caranzalem

Akash Kadam, Silver, Power Lifting, 52 Kgs., St. Xavier's College of Arts and Science, Mapusa

Dattaraj Mauzekar, Bronze, Power Lifting, 52 Kgs., V M Salgaonkar College of Law, Caranzalem

Savio Viegas, Gold, Power Lifting, 56 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Windsor, D' Souza, Silver, Power Lifting, 56 Kgs., VNS Bandekar College of Commerce, Mapusa

Geetesh Nailc, Bronze, Power Lifting, 56 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Shekhar Balekar, Gold, Power Lifting, 60 Kgs., Dhempe College of Arts and Science, Miramar

Armstrong D'Souza, Silver, Power Lifting, 60 Kgs., St. Xavier's College of Arts and Science, Mapusa

Virendra Kamat, Bronze, Power Lifting, 60 Kgs., V. M. Salgaonkar College of Law, Caranzalem.

Prajyot Sawant, Gold, Power Lifting, 67 'A Kgs., PG

Tejesh Lanjekar, Silver, Power Lifting, 67 'A.

College of Commerce and Management Studies, Mapusa

Kalidas Harwalkar, Bronze, 5000 Mtrs. Run, Govt. College of Arts, Science and Commerce, Sanquelim

Milagres Gaonkar, Gold, 20 Kms. Walk, St. Xavier's College of Arts and Science, Mapusa

Mahesh Gadekar, Silver, 20 Kms. Walk, VNS Bandekar College of Commerce, Mapusa

Rupesh Prabhu, Bronze, 20 Kms. Walk, Govt. College of Arts, Science and Commerce, Quepem

Anthony Fernandes, Gold, 110 Mtrs. Hurdles, MES College of Arts and Commerce, Zuarinagar

Vishnu Pethkar, Silver, 110 Mtrs. Hurdles, Govt. College of Arts, Science and Commerce, Sanquelim

Yogesh A. Parab, Bronze, 110 Mtrs. Hurdles, Damodar College of Commerce and Economics, Margao

Janifer Femandes, Gold, 100 Mts. Hurdles, MES College of Arts and Commerce, Zuarinagar

Nita Pednekar, Silver, 100 Mtrs. Hurdles, VNS Bandekar College of Commerce, Mapusa

Nandita Chari, Bronze, 100 Mtrs. Hurdles, VNS Bandekar College of Commerce, Mapusa

Emmanuel D'Costa, Gold, Javeline Throw, Saraswat College of Commerce and Management Studies, Mapusa

Roshan Kumar Gurav, Silver, Javeline Throw, Saraswat College of Commerce and Management Studies, Mapusa

Sandesh BarazanIcar, Bronze, Javeline Throw, Govt. College of Arts, Sc. and Corn. Sanquelim

Yogesh Prabhudessai, Gold, Pole Vault, Chowgule College of Arts and Science, Margao

Beedesh Naik, Silver, Pole Vault, Govt. College of Arts, Science and Commerce, Quepem

Kailesh Gaonkar, Bronze, Pole Vault, Saraswat College of Commerce and Management Studies, Mapusa

P. D. Shashikumar, Gold, 400 Mtrs. Run, Dhempe College of Arts and Science, Miramar, Panaji

Amol Kamble, Silver, 400 Mtrs. Run, Govt. College of Arts, Science and Commerce, Sanquelim

Melbourne Sequeira, Bronze, 400 Mtn. Run, VNS Bandekar College of Commerce, Mapusa

Jennifer Fernandes, Gold, 400 Mtrs. Run, MES College of Arts and Commerce, Zuarinagar

Jyoti ChodanIcar, Silver, 400 Mtrs. Run, Saraswat College of Commerce and Management Studies, Mapusa

Jeena Gomes, Bronze, 400 Mtrs. Run, Govt. College of Arts, Science and Commerce, Kgs, VNS Bandekar College of Commerce, Mapusa

Gorakh Kamat, Bronze, Power Lifting, 67 1/2 Kgs., S. S. Dempo College of Commerce and Economics, Panaji

Waman Gaitonde, Gold, Power Lifting, 75 Kgs., V M Salgaonkar College of Law, Caranzalem

Andrew Gomes, Silver, Power Lifting, 75 Kgs., G. R. Kare College of Law, Margao

Sharbel Hipsy, Bronze, Power Lifting, 75 Kgs., PG

Ambarish Shet Marathe, Gold, Power Lifting, 82 1/2 Kgs., C.E.S. College of Arts and Commerce, Cuncolim

Priyesh Gaude, Silver, Power Lifting, 82 1/2 Kgs., V M Salgaonkar College of Law, Caranzalem

Khan Mohammad Imran, Bronze, Power Lifting, 82 1/2 Kgs., Damodar College of Commerce and Economics.

Kaustubh Pitre, Gold, Power Lifting, 90 Kgs., St. Xavier's College of Arts and Science, Mapusa

Buyao Sarikar, Silver, Power Lifting, 90 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Prashant Walke, Bronze, Power Lifting, 90 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Sheldon Lobo, Gold, Power Lifting, 100 Kgs., V M Salgaonkar College of Law, Caranzalem

Razashad Shaikh, Silver, Power Lifting, 100 Kgs., Chowgule College of Arts and Science, Margao

Jaidev KorgaonIcar, Bronze, Power Lifting, 100 Kgs., VNS Bandekar College of Commerce, Mapusa

Sudesh Natekar, Gold, Power Lifting, 110 Kgs., VNS Bandekar College of Commerce, Mapusa

Jaison Abraham, Silver, Power Lifting, 110 Kgs., VNS Bandekar College of Commerce, Mapusa

Rahul Mascarenhas, Bronze, Power Lifting, 110 Kgs., V M Salgaonkar College of Law, Caranzalem

Sherwin Pinto, Gold, Power Lifting, above 110 Kgs, Dhempe College of Arts and Science, Miramar

Viedson Braganza, Silver, Power Lifting, above 110 Kgs., V M Salgaonkar College of Law, Caranzalem

Balden Baptista, Bronze, Power Lifting, above 110 Kgs., VNS Bandekar College of Commerce, Mapusa

Shekhar Balekar, Goa University Strongest Man., Dhempe College of Arts and Science, Miramar

Royson Fernandes, Gold, Best Physique, 65 Kgs., P. C. College of Engineering, Verna.

- Khandola
 Shailesh Chodankar, Gold, Tripple Jump, Saraswat College of Commerce and Management Studies, Mapusa
 Tushar Lotlikar, Silver, Tripple Jump, St. Xavier's College of Arts and Science, Mapusa
 Sandesh Barazankar, Bronze, Tripple Jump, Govt. College of Arts, Science and Commerce, Sanquelim
 Amit Madwalkar, Gold, Hammer Throw, VNS Bandekar College of Commerce, Mapusa
 Viedson Braganza, Silver, Hammer Throw V M Salgaonkar College of Law, Miramar
 Ranjeet Ambekar, Bronze, Hammer Throw, Damodar College of Commerce and Economics, Margao
 Pracila Dias, Gold, Discus Throw, Damodar College of Commerce and Economics, Margao
 Darling Mecann, Silver, Discus Throw, St. Xavier's College of Arts and Science, Mapusa,
 Leena Colaco, Bronze, Discus Throw, St. Xavier's College of Arts and Science, Mapusa
 Emanuel D'Costa, Gold, Decathlon, Saraswat College of Commerce and Management Studies, Mapusa
 Vinod Wilson, Silver, Decathlon, St. Xavier's College of Arts and Science, Mapusa
 Kailash Gaonkar, Bronze, Decathlon, Saraswat College of Commerce and Management
 Anthony Fernandes, Gold, Individual Championship, MES College of Arts and Commerce, Zuarinagar
 Amol Kamble, Silver, Individual Champion ship, Govt. College of Arts, Science and Commerce, Sanquelim
 Amit Madwalkar and Milagres Gaonkar, Bronze, Individual Championship, VNS Bandekar College of Commerce, Mapusa and St. Xavier's College of Arts and Science, Mapusa
 Jennifer Fernandes, Gold, Individual Championship, MES College of Arts and Commerce, Zuarinagar
 Nita Pednekar, Silver, Individual Championship, VNS Bandekar College of Commerce, Mapusa
 Ramona D'Souza, Bronze, Individual Championship, St. Xavier's College of Arts and Science, Mapusa
 Vishant Alekar, Gold, Judo, 50 Kgs., Saraswat College of Commerce and Management Studies, Mapusa
 Sandeep Karelkar, Silver, Judo, 50 Kgs., P. E. S. College, Ponda
 Ismael Patel, Bronze, Judo, 50 Kgs., Govt. College of Arts, Science and Commerce, Khandola
 Shekhar Balekar, Silver, Best Physique, 65 Kgs.,
Dhempe College of Arts and Science, Miramar
 Savio Viegas, Bronze, Best Physique, 65 Kgs., Govt. College of Arts, Science and Commerce, Quepem
 Travor D' Souza, Gold, Best Physique, 70 Kgs., Damodar College of Commerce and Economics, Margao
 Naveen Kalangutkar, Silver, Best Physique, 70 Kgs., Dhempe College of Arts and Science, Miramar
 Prajyot Sawant, Bronze, Best Physique, 70 Kgs., PG
 Waman Gaitonde, Gold, Best Physique, 80 Kgs., V M Salgaonkar College of Law, Caranzalem
 Sharbel Ejipsy, Silver, Best Physique, 80 Kgs., PG
 Newton Dias, Bronze, Best Physique, 80 Kgs., V M Salgaonkar College of Law, Caranzalem
 CDT S. K. Mohanta Gold, Cross Country, Naval Academy INS Mandovi, Verem
 CDT Hanumant, Silver, Cross Country, Naval Academy INS Mandovi, Verem
 DCA S. R. Singh, Bronze, Cross Country, Naval Academy INS Mandovi, Verem
 Jeena Gomes, Gold, Cross Country, Govt. College of Arts, Science and Commerce, Khandola
 Sharmila Deikar, Silver, Cross Country, Govt. College of Arts, Science and Commerce, Quepem
 Valanky Dhumaskar, Bronze, Cross Country, Rosary College of Arts and Commerce, Navelim
 Vinay Kumar, Gold, Swimming, 100 Mtrs., Back-Stroke, Chowgule College of Arts & Science, Margao
 Sachin Rivankar, Silver, Swimming, 100 Mtrs., Back-Stroke, Govt. College of Arts, Science and Commerce, Quepem
 Hemanand Gaude, Bronze, Swimming, 100 Mtrs Back-Stroke, Govt. College of Arts, Science and Commerce, Khandola
 Prashant Paiginkar, Gold, Swimming, 100 Mtrs., Free Style, Kare College of Law, Margao
 Miransha Prabhu Naik, Silver, Swimming, 100 Mtrs., Free Style, Govt. College of Arts, Science and Commerce, Quepem
 Vinay Kumar, Bronze, Swimming, 100 Mtrs., Free Style, Chowgule College of Arts & Science, Margao
 Vinay Kumar, Gold, Swimming, 100 Mtrs., Breast Stroke, Chowgule College of Arts & Science, Margao
 Amit Malkarnekar, Silver, Swimming, 100 Mtrs., Breast Stroke, Govt. College of Arts, Science and Commerce, Quepem
 Abhijit Naik, Bronze, Swimming, 100 Mtrs., Breast Stroke, P. C. College of Engineering,

Jeevan Bandekar, Gold, Judo, 55 Kgs., Kare College of Law

Sushant Redkar, Silver, Judo, 55 Kgs., Saraswat College of Commerce and Management Studies, Mapusa

Melinson Gonsalves, Bronze, Judo, 55 Kgs., Govt. College of Arts, Science and Commerce, Khandola

Sandesh Barazankar, Gold, Judo, 60 Kgs., Govt. College of Arts, Science and Commerce, Sanquelim

Sameer Hymid, Silver, Judo, 60 Kgs., Govt. College of Arts, Science and Commerce, Khandola

Printex Mascarenhas, Bronze, Judo, 60 Kgs. Govt. College of Arts, Science and Commerce, Quepem

Vishnu Pethkar, Gold, Judo, 65 Kgs., Govt. College of Arts, Science and Commerce, Sanquelim

Sagar Naik, Silver, Judo, 65 Kgs, P. E. S. College, Ponda

Francis Fernandes, Bronze, Judo, 65 Kgs., Govt. College of Arts, Science and Commerce, Sanquelim

Rupesh Kalangutkar, Gold, Judo, 71 Kgs., VNS Bandekar College of Commerce, Mapusa

Prashant Gawas, Silver, Judo, 71 Kgs., Govt. College of Arts, Science and Commerce, Sanquelim

Arityk Fernandes, Bronze, Judo 71 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Rahul Desai, Gold, Judo, 86 Kgs., G V M 's College of Commerce & Economics, Ponda

Gajanan Naik, Silver, Judo, 86 Kgs., Govt. College of Arts, Science and Commerce, Quepem

Tushar Karmalkar, Bronze, Judo, 86 Kgs., Kare College of Law, Margao

Verna

Miransha Prabhu Naik, Gold, Swimming, 200 Mtrs., Free Style, Govt. College of Arts, Science and Commerce, Quepem

Hemanand Gaude, Silver, Swinuning, 200 Mtrs., Free Style, Govt. College of Arts, Science and Commerce, Khandola

Abhijit Naik, Bronze, Swimming, 200 Mtrs., Breast Stroke, P. C. College of Engineering, Verna

Prachi Lotlikar, Gold, Swimming, 50 Mtrs., Back Stroke, P. C. College of Engineering, Verna

Ayesha Madgaonkar, Silver, Swimming, 50 Mtrs., St. Xavier's College of Arts and Science, Mapusa

Jayee Borkar, Bronze, Swimming, 50 Mtrs., Back Stroke, P. C. College of Engineering, Verna

Prachi Lotlikar, Gold, Swimming, 50 Mtrs., Free Style, P. C. College of Engineering, Verna

Ayesha Madgaonkar, Silver, Swimming, 50 Mtrs., Free Style, St. Xavier's College of Arts and Science, Mapusa

Jayee Borkar, Bronze, Swimming, 50 Mtrs., Free Style, P. C. College of Engineering, Verna

Ayesha Madgaonkar, Gold, Swimming, 50 Mtrs., Breast Stroke, St. Xavier's College of Arts and Science, Mapusa

Prachi Lotlikar, Silver, Swimming, 50 Mtrs., Breast Stroke, P. C. College of Engineering, Verna

Jayee Borkar, Bronze, Swimming, 50 Mtrs., Breast Stroke, P. C. College of Engineering, Verna

Gaurav Vernekar, Gold, Cycling, Chowgule College of Arts and Science Margao

Suraj Prabhudesai, Silver, Cycling, G. R. Kare College of Law, Margao

Sachin Savio Moraes, Bronze, Cycling, Rosary College of Arts and Commerce, Navelim

Participation in Inter-University tournaments:

Goa University Football Team secured third position at Inter — Varsity West Zone.

Other team events that were participated in:

1. Football (W) 2. Athletic (M/W) 3. Basketball (M).

Intra-Mural:

Sports Section conducted Intra-Mural activities for the Post-Graduate of the University in the following events:

1. Football 2. Volleyball 3. Athletics 4. Chess 5. Table-tennis 6. Badminton.

3.6 STUDENTS' 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 social activities, in order to enable them translate their knowledge into practical utility. The Directorate organised 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 constituted 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 the post-graduate departments of Goa University.

Activities:

1. Election of Goa University Student's Council for the year 2000-2001.
 2. Election of post-graduate Students' Union for the year 2000-2001.
 3. Organised Inter-Collegiate Youth Festival in January 2001.
 4. Organised Inter Faculty Youth Festival for P. G. students in February 2001.
- Published annual souvenir 'New Millennium Plateaunica' on the occasion of Annual Youth Festival of Post Graduate Students in February 2001.
 - Organised Inter Collegiate 'Youth Parliament' competition and prepared a team for representing Goa University, in the National Youth Parliament, organised by Ministry of Parliamentary Affairs, Govt. of India, New Delhi, on 16th February 2000. This team stood first in zonal competition. .
Organized National orientation course for University and college co-ordinators, participating in the Fourth National Youth Parliament competition sponsored by the Ministry of Parliamentary Affairs, Govt. of India, New Delhi, on 11th to 13th Sept. 2000.
 - Organised Annual Meet of Foreign Students in 21st Dec. 2000.
 - (a) Earn while you learn - Needy P. G. Students are engaged under this scheme for petty academic jobs on the campus and paid certain remuneration towards their contribution.
 - (b) Student's Aid Fund— A financial assistance is given to the deserving P. G. Students to meet their expenditure towards tuition fee, examination fee, books etc. (maximum Rs. 1,500/-).
 - (c) All students (PG & UG) of Goa University are covered under students safety Insurance scheme, who are entitled to receive Insurance benefits, under the scheme

3.7 KONICANI ENCYCLOPAEDIA: The Konkani Encyclopaedia, the first of its kind in the Konkani language, is a prestigious project undertaken by Goa University. The Four Volume project of 4000 pages covers the knowledge in all disciplines supported with appropriate illustrations. The Konkani Encyclopaedia includes both scientific as well as cultural aspects of the knowledge. It is specially designed to cater to the needs of the scholars and the common man knowing Konkani. The first two volumes were released in 1992 and 1998 at the hands of Dr. Shivram Karanth and Shri Girish Karnad respectively, and the third volume was released at the hands of Prof. M. P. Rege, in 2000. The fourth volume was completed in November 2000 and released at the hands of H. E. Mohd. Fazal, Governor of Goa and Chancellor, Goa University.

3.8 PUBLICATION UNIT: The Publication Unit was formed on 30th March 2000 and the unit undertakes all activities related to the various publications brought out by the university such as Annual Handbook, Annual Report, Monthly News Bulletin, Pocket Telephone Directory, Periodical and Occasional publications of Goa University.

3.9 U.G.C. ACADEMIC STAFF COLLEGE

Faculty Members:

F. A. Fernandes, *Director*

P. Rebeiro, *Reader*

The Academic Staff Orientation: Scheme is an outcome of the NPE (1986). The NPE, in its programme of action, makes a pointed reference to the crucial link between teacher motivation and quality of education. Teachers, as we know, occupy a key position in the education system. The quality, competence and character of teachers, are of utmost importance. They influence the standard of education and thus contribute to national development. The teachers should function as effective instruments of development and social change.

The UGC-ASC came into being with an overall objective of acting as an agency to bring about changes and development in education. It is meant to involve itself in the improvement of courses, curriculum, examination reforms, improvement in the Management of Higher Education, and to bring about a closer linkage between society and Higher Education through meaningful study and Research.

The UGC-ASC at Goa University came into existence in February 1988. It has been conducting Orientation Courses from its inception. In addition to Orientation and Refresher Courses, the UGC-ASC has been organizing Seminars/Conferences and other academic activities regularly.

So far we have completed 57 Orientation Programmes and 97 Refresher Courses and have covered 1952 and 2663 participants respectively.

During the year 2000 —2001 the UGC-ASC conducted three Orientation Courses and nine Refresher Courses Commerce (two), Library and Information Science, Botany, Chemistry, Biotechnology, Philosophy, Economics and Sociology.

Other Programmes 2000-2001

1. A one-day Workshop on Restructuring of Courses for F.Y. Engineering teachers was held on 14.6.2000, 28 teachers attended, Funded by the University.
2. A three — day Workshop on 'Information Technology' for College teachers was held on 26th to 28th June 2000, 47 teachers attended, Funded by the University.
3. A one-day Workshop for Psychology teachers of affiliated Colleges was held on 11.8.2000. They discussed the undergraduate Psychology syllabus — Theory and practicals, 11 teachers attended the workshop, Funded by the University.
4. A three-day *Self Development Programme for College Principals* was held from 14th to 16th January 2001. 25 Principals of affiliated Colleges attended. The programme was jointly organised by *The Educational Resources Centre, New Delhi* and the College Development Council, Goa University. The expenditure incurred was borne by the Educational Resources Centre Trust, New Delhi.

Following Orientation and Refresher courses were conducted :

Course/Subject	M	F	Total
55th Orientation Programme 10.5.2000 - 6. 6.2000	24	13	37
56th Orientation Programme 16.5.2000 - 12.6.2000	21	16	37
57th Orientation Programme 19.1.2001 - 15.2.2001	29	17	46
Refresher Course in Commerce 17.4.2000 - 8.5.2000	24	10	34
Refresher Course in Library & Information Science 19.4.2000 - 9.5.2000	21	13	34
Refresher Course in Botany 17.8.2000 - 6.9.2000	23	6	29
Refresher Course in Biotechnology 14.9.2000 - 4.10.2000	13	13	26
Refresher Course in Philosophy 10.10.2000 - 30.10.2000	10	11	21
Refresher Course in Chemistry 31.10.2000 - 20.11.2000	19	10	29
Refresher Course in Commerce 1.11.2000 - 21.11.2000	23	10	33
Refresher Course in Economics 1.12.2000 - 21.12.2000	16	18	34
Refresher Course in Sociology 22.2.2001 — 14.3.2001	23	9	32

3.9.1 Highlights of the research activities :

Conducting an Impact Study of Orientation and Refresher Courses. Questionnaires have been sent to participants who have attended various programmes. Their responses are being collected and analysed.

3.10 COLLEGE DEVELOPMENT COUNCIL: The College Development Council has been set up by the Goa University to establish liaison between affiliated Colleges and the University/UGC. It provides information to the Colleges about various grants available for development from the UGC and other institutions. Colleges are encouraged to prepare short term/long term development plans for promoting

quality and excellence mainly at the undergraduate level. The CDC sends all relevant information about various UGC schemes under which colleges can obtain grants for development and research. The Coordinator, CDC is also expected to visit the Colleges for helping them in preparing grant proposals and do the follow up. The CDC takes the responsibility of conducting periodic inspection of Colleges with a view of assess their performance and suggest improvements.

Teacher Fellowships granted by the UGC to Colleges:
 St. Xavier's College, Mapusa — Gourav R. P., Tushar Anvekar, T. Vaz.
 Carmel College, Nuvem — Jao Batista Caetano, Efram D'sa.
 Smt. Parvatibai Chowgule College, Margao — Nandkumar Sawant.

UGC Grants for Minor/ Major Research Projects:

The following teachers proposal have been sent to the UGC office, Pune

P. E. S. College, Ponda —

Sima V. Kamat ,	Rs.30,000/-
Kamaladevi R. Kunkalienkar	Rs.50,000/-
Pradeepesh Bhattacharya	Rs.50,000/-
Badruddin	Rs.25,000/-
Kamat Varsha V.	Rs.50,000/-

Govt. College, Sanquelim —

P. N. Thomas	Rs.30,000/-	sanctioned
Purnika V. Samant	Rs.50,000/-	-do-
Project Sent by Botany Dept	Rs.40,000/-	-do-

Nirmala Institute of Education, Altinho, Panaji —

Jenifer Fonseca	Rs. 10,000/-	sanctioned
Gopal C. Pradhan	Rs. 16,500/-	-do-

Smt. Parvatibai Chowgule College, Margao -

S. P. S. Kakodkar	Rs.40,000	sanctioned
S. A. Antao	Rs.22,500/-	sanctioned
Tikare D. K.	Rs.40,000/-	sanctioned
M. P. Shivali	Rs. 10,000/-	sanctioned
Rupali Bhat	Rs. 10,000/-	sanctioned

Proposals submitted to the Pune Regional UGC office for grants for conducting Seminars/ workshops at State level:

Govt. College Sanqueliin; Seminar by Konkani Department & Seminar on Poultry Development.
 Shri Damodar College of Commerce and Economics —Seminar on Second-Generation Economic Reforms.
 Smt. Parvatibai Chowgule College of Arts and Science — Seminar by Hindi Department.

UGC Grants under College Humanities and Social Sciences Improvement Programme (COHSSIP) and College Science Improvement Programme (COSIP) — St. Xavier's College COHSSIP, Rs. 1 lakh and COSIP Rs. 2 lakhs

UGC grants to run Vocational Courses with effect from the Academic year 2001-2002 — St. Xavier's College, Industrial Chemistry, Rs. 17 lakhs; Shri Damodar College, Computer Applications, Rs. 17 lakhs

UGC grants for buying computers — Nirmala Institute, Rs. 1,25,000/-; M. E. S. College, Rs. 1,25,000/-; Gov t. College Sanquelim, Rs. 1,00,000/-.

Workshops/ Seminars/ Meetings conducted by CDC for Principals.

- (1) A Workshop on role effectiveness was conducted at the University on 14-16th January 2001 with the help of the Educational Resources Centre New Delhi, Smt. Sharada Nayak, Dr. Uday Parik and Dr. Arora were the resource persons.
- (2) A programme on value education was conducted at the **University on 29th March 2001. Resource persons from the Brarnhakumaris were invited.**
- (3) A workshop on export of higher education was conducted on 31st July 2001. The proceedings of this workshop **will** be submitted to the Chief Minister of Goa **and the Vice Chancellor of Goa University. Based on this workshop a theme paper is being prepared by Shri R. P. Pal, Director, Higher Education, Prin. Arun Heblekar and Prin. V. R. Shirgurkar.**
- (4) Meeting of Principals was held to discuss the distance education programme of the University on 24th April 2001.

(5) Meeting of the principals was held to discuss various issues pertaining to UGC vocational courses on 4th July 2001.

Meetings Attended by Prin. V. R. Shirgurkar Coordinator — CDC on behalf of the Goa University:

- (1) A meeting called by the UGC Pune regional office on 5th March 2001 at Pune, to decide on applications received from various colleges for financial assistance from UGC under certain programmes.
- (2) A meeting called by the UGC office at New Delhi to decide on the applications received from the colleges from Goa for UGC grants for running vocational courses on 12th June 2001.
- (3) A meeting called by Chief Minister of Goa to discuss various aspects of vocationalisation of education on 23rd June 2001.

Other developments: The CDC has scheduled a workshop in collaboration with the Academic Staff College on Value Education on 29-31st October 2001 for teachers from colleges from Goa who will be teaching the course. Experts from Branhakumaris have agreed to conduct this workshop. About 40 teachers are expected to attend.

The following Colleges have applied for assessment of Colleges by the University:

- | | |
|---|------------------------------------|
| 1. INS Mandavi, Verem-Goa. | Dated 27 th April 2001. |
| 2. Institute of Nursing Education, Panaji-Goa. | Dated 9 th May 2001 |
| 3. Govt. College of Arts & Commerce, Pernem-Goa | Dated 9 th June 2001 |
| 4. S. S. Dempo College of Commerce & Economics,
Altinho, Panaji-Goa. | Dated 28 th June 2001 |
| 5. St. Xavier College, Mapusa-Goa | Dated 29 th June 2001 |
| 6. Carmel College for Women, Nuvem-Goa | Dated 30 th June 2001 |
| 7. Narayan Zantye College of Commerce, Bicholim-Goa. | Dated 16 th July 2001 |

3.11 BOARD OF EXTRA MURAL STUDIES AND EXTENSION SERVICES

B. S. SONDE, Vice-Chancellor, Goa University, <i>Chairman</i> (<i>Ex-Officio</i>)	BHARATI BANODKAR, <i>Member</i>
D. V. BORICAR, <i>vice-chairman</i> (<i>Ex-Officio</i>)	MANIK RAO GAUNEICAR, <i>Member</i>
I. K. PAI, Hon. Director, <i>Ex-Officio</i> , <i>Member Secretary</i>	V. N. ICAMATDALAL, <i>Member</i>

In spite of acute shortage of funds in the year 2000-2001, EMS & ES succeeded in getting sanction for setting-up 'Energy Park' at Goa University with the funds of Ministry of Non-Conventional Energy Sources (Govt. of India). The work is in Progress.

Conducted a series of film show on wildlife for the residents on campus, which received a good response. EMS & ES with the co-operation of the departments concerned, opened-up all laboratories and museums in the University for the visit of students from colleges, Higher Secondary and High Schools, on all working Fridays.

The laboratory facilities in the University were opened for the students of UG, Higher Secondary and High school to encourage collaborative research programmes.

EMS & ES submitted a proposal to Dept. of Education (Govt. of Goa) to jointly hold a lecture series for 50 schools in Goa. The response from the Department of Education is awaited.

EMS & ES has plans to organise a lecture series in UG colleges by eminent speakers from PG departments, on the topic and subject as desired by the colleges. This programme is in progress.

3.12 COUNSELLING, CAREER GUIDANCE AND EMPLOYMENT LIAISON CELL

(CCGELC): N. Shyam Bhat, Ph. D., Reader, Dept of History was appointed as Hon. Co-ordinator. The cell has organized a workshop for the candidate appearing for NET/SET examination on 16-17th December 2001. In association with Dept. of Political Science, Goa University, organized lecture on studying abroad on 22nd December 2000 by Vinay Rayker, a Management Consultant, Panaji. In association with Ashish Jacob Thomas, AR-Public Relations, Goa University the CCGEL CELL participated in the "Career fair : Goa 2000" at Grace Church Hall, Margao, 3rd June, 2000, by educational track, Caranzalem, Goa. With assistance from P. V. Konnur, Goa University Librarian, the CCGEL Cell set up a Career Information Centre at Goa University Library in September 2000

Clarina Dias, *Lecturer*, English
 Reema Khanekar, *Lecturer*, English
 Edwin Cortez, *Lecturer*, Economics
 Shilpa Samant, M.A., *Lecturer*, Economics
 K. S. Govekar, M.A., *Lecturer*, Political Science
 Anita Raut Desai, *Lecturer*, Political Science
 Alalchananda S., *Lecturer*, Political Science
 V. U. Prabhugaonkar, M.A., *Sr.Lecturer*, History
 Prajal Sakhardande, M.A., *Lecturer*, History
 Z. D' Silva, Ph.D., *Lecturer*, Philosophy
 R. Rodrigues, *Lecturer*, Philosophy
 Shilpa Tamba, *Lecturer*, Philosophy
 W. A. Manuel, M.A., *Lecturer*, Psychology
 M. Karamadi, M.A., *Lecturer*, Phil. & Psychology
 Vinayak Bapat, *Lecturer*; Marathi
 S.U. Kamat, M.Sc., *Lecturer*, Mathematics
 Maria S. Miranda, M.Sc., *Lecturer*, Mathematics
 Sunita Kumari, *Lecturer*, Hindi
 Anju P. Sakhardande, M.A., *Lecturer*, Konkani
 Mangaldas Bhat, *Lecturer*, Konkani
 A.G. Agshikar, M.Sc., *Lecturer*, Geology
 Orlando A. Fernandes, M.Sc., *Lecturer*, Geology
 D. S. Parab, M.Sc., *Lecturer*, Geology

Uday S. Naik, Ph.D., *Lecturer*, Chemistry
 Soniya Rao, M.Sc., *Lecturer*, Chemistry
 V. S. Prabhudesai, M.Sc., *Lecturer*, Chemistry
 Varsha Sardesai, M.Sc., *Lecturer*, Chemistry
 Annie Rajan, *Lecturer*, Information Technology
 A. F. Barbosa, *Reader*, 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
 M. Khorgaonkar, M.Phil., *Lecture Basis*, Physics
 Sandhya Gupta, *Lecturer*, Physics
 G. I. Hukkeri, M.Sc., *Lecturer*, Botany
 P. N. Pangu, Ph.D., *Reader*, Botany
 Mangala Prabhudessai, M.Sc., *Lecturer*, Botany
 Manjiri Kelkar, M.Sc., *Lecturer*, Botany
 Purnima Ghadi, *Lecturer*, Botany
 Y. Modassir, Ph.D., *Reader*, Zoology
 S.J. Gocise, M.Sc., *Lecturer*, Zoology
 S. R. Ganihar, Ph.D., *Reader*, Zoology
 Sucheta G. Halkar, M.Sc., *Lecturer*, Zoology
 Suchana Amonkar, M.Sc., *Lecturer*, Zoology
 C. Porob, M.A., *Director*, Physical Education

4.1.2 Highlights of the Research Activities:

Dept. of Geology is conducting Diploma in Remote Sensing & G.I.S.
 On going Project entitled " Survey of Molluscan resources with special reference to economically important BIVALVES of Goa Coast. Sponsored by DOD- New Delhi.

4.1.4 Sponsored Research Projects sanctioned during the concerned academic year (Name of investigator/s, *Topic*, Date of sanction, Funding agency, Amount).

Yasmin Modassir, Culture of F. Salina, 1st Dec. 2000, UGC, Rs.48,000/-

4.1.5 Seminars/Conferences/Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding agency, Name of dept.).

Theme of Seminar Orientation workshop for school teacher, 10th to 15th Sept. 2001, S.T.E., Geology Dept.

(b) (i) Attended: Seminars/Conferences: (Name of teacher, Theme of conference, Place, Date, Title of paper).

S. J. Godse, S. G. Halkar, S. P. Amonkar and S. R. Ganihar, National Seminar on Zoology for 21st Century, Dept. of Zoology, Goa University, 7th to 10th Dec. 2000.

P. N. Pangu, National Symposium on Seaweeds of India; Biodiversity & Biotechnology, CSMCRI, Bhavnagar to 14th Sept. 2000 and National seminar on Conservation of Biodiversity and Coastal Agriculture, 6th to 8th Nov. 2000, Some Observations on Algal fouling on various substrata deployed in Waghotana estuary- Maharashtra, Dept. of Marine Biology, Karnataka University, Post-Graduate Centre, Kodibag, Karwar.

Y. Modassir, " Distribution of Molluscan Fauna with special reference to economically important Bivalves along Goa Coast ", Goa University, 7th Dec. to 9th Dec. 2000.

(b) (ii) Attended Workshops: (Name of teacher, Theme of workshop, Place., Date).

Seven day orientation workshop in Geology for school teachers was conducted by Dept. of Geology in collaboration with SIE & G.S.G.

Y. Modassir, Restructured syllabus of Undergraduate Zoology course , 15th to 21st Dec. 2000, Dept. of Zoology, Goa University; Issues in conservation in Biodiversity and applications of systematic zoology, 1st & 4th March 2001.

S. R. Ganihar, 66th Annual meeting of Indian Academy of Sciences, 24th to 26th Nov. 2000, Indian Academy of Sciences, Bangalore.

S. P. Amonkar, workshop on Bio-Science, P. E. S. College, Farmagudi, Jan.2000; Refresher Course in Zoology, ASC, Goa University, 28th Aug. to 17th Sept. 2001 and a week long workshop on Restructured Syllabus in Goa University, Dec.2000.

Prajajal Sakhardande, Maritime History, Goa,

4.1.6 Publications: (a) Research Articles: Name of teacher and bibliographical details: (Name, Title, Journal, Volume, Month/Year).

O. A. Fernandes, *A Post K. T. boundary age of Deccan Types feeder dykes Goa, India*, Mineralogical Magazine, 62 A, July 98.

M. Widdowso, M. S. Pringh, O. A. Fernandes, *A Post K. T. (Early Palaeocene) Age for Deccan Type dyke, Goa, India*, Journal of Petrology, Vol.41,200.

Y. Modassir and Ansari Azra, *Effect of Petroleum Hydrocarbon on Psychological & Biochemical parameters in an Estuarine bivalve, Paphia malabarica*, Fishery Technplo, Vol.37(1).

Y. Modassir, *The Inter-Tidal Fauna inhabiting an exposed sandy beach at Miramar, Goa*, Advances in Bio-Sciences, Vol. 19.

4.1.9 Achievements: (Ranks/Merits in the University examinations/ Sports activities).

(a) Academic: (Name of the student, Achievements (i.e. ranks etc.), Examinations).

Shabana Redkar, T.Y. B.Sc. Botany, 1st Rank, April 2000.

4.2 SMT. PARVATIBAI CHOWGULE COLLEGE OF ARTS as SCIENCE, MARGAO.

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

V. R. Shirgurkar, M.A., *Principal*, Economics
S. K. Naik, M.Sc., *Vice-Principal*, Chemistry
N. V. Kamat, M.Sc., *Head/Lecturer*, Physics
S. N. Pai Raiturkar, M.Sc., *Lecturer*, Physics
V.D.Date, B.Sc., *Demonstrator*, Physics
Malati Tirvir, M.Sc., *Lecturer*, Physics
Vijay Richard D'Costa, M.Sc., *Lecturer*, Physics
Ananya Das, Ph.D., *Lecturer*, Physics
B. V. Shirwaikar, M.Sc., *Lecturer*, Chemistry
R. S. Padiyar, M.Sc., *Lecturer*, Chemistry
S. J. Borkar, M. Sc., *Lecturer*, Chemistry
S. P. S. Kakodkar, M. Sc., *Lecturer*, Chemistry
N. G. Rivonkar, M. Sc., *Lecturer*, Chemistry
Ganpat K. Naik, Ph.D., *Lecturer*, Chemistry
S. A. Antao, Ph.D., *Lecturer*, Chemistry
Sachin Kakodkar, M.Sc., *Lecturer*, Chemistry
N. B. Shirwaikar, M.Sc., *Lecturer*, Botany
R. V. Gaorikar, Ph.D., *Reader*, Botany
A.V. Veeresh, Ph.D., *Lecturer*, Botany
Uma J. Patil, M.Sc., *Lecturer*, Botany
Sangeeta Sankhalkar, Ph.D., *Lecturer*, Botany
M. S. Anthony, M.Sc., *Lecturer*, Zoology
P. N. Kavri, M.Sc., *Lecturer*, Zoology
D.K. Tikare, Ph.D., *Lecturer*, Zoology
K.N. Mislua, M.Sc., *Lecturer*, Zoology
M. Veeresh, M.Sc., *Lecturer*, Zoology
S. M. Borges, M.Sc., *Lecturer*, Geology
M. S. Katti, M.Phil., *Lecturer*, Geology
H. S. S. Nadkarni, M.Sc., *Lecturer*, Geology
Allan Rodrigues, M.Sc., *Lecturer*, Geology
Meghana S.Devli, M.Sc., *Lecturer*, Geology
A. Barreto, M.C.A., *Lecturer*, Computer Science
A. Adhilar, M.Tech., (L.), Computer Science
S. R. Ghanti, M.Phil., *Lecturer*, Comp. Science

Kumaresh V.C., M.Sc., *Lecturer*, Comp. Science
Prabakaran, M.C.A., *Lecturer* Comp. Science
S. Bhat, M.C.A., *Lecturer*, Computer Science
Judith Dias Barreto, M.C.A., *Lecturer*,
Comp.Scie.
Neeta Damale, M.C.A., *Lecturer*, Comp.Science
Sameena Faleiro, M.Sc., *Lecturer*, Comp.Science
Celeste Fernandes, M. A., *Lecturer*, English
Rajashree R. Desai, M. A., *Lecturer*, English
Sonia Fernandes, M.A., *Lecturer*, English
E. M. Travassos, Ph.D., *Lecturer*, Economics
D. Majumdar, M.A., *Lecturer*, Economics
Rupali Bhat, M.A., *Lecturer*, Economics
Aparajita Chatterjee, M.A., *Lecturer*, Sociology
S. S. Naik, M.A., *Head/ Lecturer*, Philosophy
R. V. Patil, M.A., *Lecturer*, Philosophy
R. V. Joshi, Ph.D., *Lecturer*, Philosophy
Kavita A. Borkar, M. A., *Lecturer*, Philosophy
Om Prakash Tripathi, Ph.D., *Lecturer*, Hindi
Lata G. Shirodkar, M.A., *Lecturer*, Hindi
P. Antony, Ph.D., *Lecturer*, History
Sarna Naik Tan, M.A., *Lecturer*, History
M.D.S. Borkar, M.A., *Lecturer*, French
Gunaji S. Dessai, M.A., *Lecturer*, Konkani
Hanumant Chopdekar, M.A., *Lecturer*, Konkani
S. S. Adsul, M.Phil., *Lecturer*, Marathi
D. Bagchi, M.Phil., *Director*, Physical Education
S. R. Ingle, M.Phil., *Lecturer*, Geography
S.M. Ambli, Ph.D., *Lecturer*, Geography
Mallika Fernandez, M.A., *Lecturer*, Geography
Resluna Shaikh, M.A., *Lecturer*, Geography
V. S. Amonkar, M.Sc., *Lecturer*, Mathematics
A. P. Masur, M.Sc., M.S., *Lecturer*, Mathematics
R. D. Karapurkar, M.Sc., *Lecturer*, Mathematics
Vidya De .Quadros, M.Sc., *Lecturer*,
Mathematics

4.2.3 List of Visiting Scholars: (Name of scholar, Institution, Title of lecture delivered, Date).
S. K. Saidapur, Dept. of Zoology, Kamataka University, Impact of Darwin's Thoughts on Biology and Medicine, 19th Jan.2001.
Rajiv Nigam, National Institute of Oceanography, Applied Aspects of Foraminiferal Research on West-Coast of India, 10th Feb. 2001.
Edgar Beekham, Ford Foundation, New York, Democracy and Diversity, 6th Feb. 2001.

4.2.4 Sponsored Research Projects sanctioned during the concerned academic year: (Name of investigator/s, Topic, Date of sanction, Funding agency, Amount).

M. P. Shivalli , Design and Development of Database of Project Reports of the Undergraduate courses in Colleges under the jurisdiction of Goa University, 1st Dec. 2000, U G C, Rs.10,000/-
S. A. Antao, Techniques for Recycling of plastic waste, 29th March 2001, U G C, Rs.30,000/-
Upali Tamuly, Working Women & Fertility Behaviour, 31st March 2001, U G C, Rs. 20,000/-

4.2.5 Seminars/Conferences/Workshops, etc.

(b) (i) Attended: Seminars/Conferences: (Name of teacher, Theme of conference, Place, Dates, Title of paper).

S.M. Ambli, National Association of Geographers India, Karnatak University, Dharwad 22nd to 24th Dec. 2000, River sal.

D. Majumdar, National Asstn. Of Geographers India, Karnatak University, Dharwad, 22nd to 24th Dec. 2000, Multiplier effect of Tourism in Majorda - Goa.

A. V. Veeresh, National Association of Geographers India, Dharwad, 22nd to 24th Dec. 2000, Impact of open Cast (iron ore) mining on Environmental and Remedial Strategies.

Om Prakash Tirupathi, Dakshin Bharat Hindi Parishad, Goa University, 14th & 15th Oct. 2000, Ramavruksh Venipuri ke Rekha Chitra Aur Sameekshana.

N.N. Sawant, Institute of Indian Geographers, Vishwabharati shantiniketan, 6th to 8th Jan. 2001, 1) The Demographic transition Goa's Experience. 2) The characteristics of medium sized town of Goa.
M.P. Shivali, Goa University, Goa, August 2000, College Librarian as a Public Relation Officer.

4.2.6. Publications : (a) Research Articles : Name of the teacher and bibliographical details : (Name, Title, Journal, Volume, Month/Year).

S. A. Antao, An Innovative teaching of Chemistry in the classroom a model lesson in Chemical Bonding, Chemistry Educational Review, vol. 15, No. 4, April-June 2000.

(b) Books: (Name, Title, Publisher, Year).

G.K. Naik, *College Practical Chemistry*, Himalaya Publishing House, Mumbai, 2000.

4.2.7 Sponsored Consultancy work undertaken (Name of teacher, Nature of consultancy, Name of the sponsorers, Duration of consultancy, Amount).

Mrs. Antony, Goa-Brazil Relations, United Nation Dev. Programme, one year, Rs. 50,000/-

4.2.8(b) Ph. D. degree conferred during the year : (Name of candidate, Subject, Title of the thesis).

Sangeeta Sakhalkar, Botany, Photo inhibition of photosynthesis and possible role of Xanthophyll Cycle in protection against photo damages in Sorghum seedlings.

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

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

Cyclist won the Intercollegiate Cycling Championship.

The Women Football team won the Intercollegiate Championship.

The College Men's Basketball won the South Goa Intercollegiate Championship; and Runners-up in the State level tournaments.

The College Men's Cricket team finished Runner's up.

Yogesh Prabhudesai secured Gold medal in Pole Vault and Agnelo Rodriguese secured Bronze medal.

Manvy Barbosa got Gold medal in Judo.

4.2.10 Any other information:

(a) Awards/Honours conferred:

V. R. Shirgurkar was appointed as Co-ordinator of College Development Council by Goa University, for one year from September,2000 and also as a member on the Goa University

Planning Board for five years. He delivered his address of the Association of Indian College Principals at Mt. Abu in Jan.2001 at the National Conference of AICP.

(b) Fellowship/Visiting Professors, etc.

N. N. Sawant, Lecturer in Geography, was awarded Teacher Fellowship under U.G.C. Faculty Improvement Programme to complete Ph.D. from July 2000 to June 2001.

Sangeeta Sanldialkar was awarded a two month Fellowship by Botanical Institute, University of Wurzburg, Germany, to work under Prof. Dr. U. Heber.

4.3 ST. XAVIER'S COLLEGE, MAPUSA

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

Antimo Gomes, M.A., *Principal*, Philosophy
M. Monteiro, M.Sc., *Vice-Principal*,
Microbiology
Sudha Chari, Ph.D., *Reader*, Philosophy
Aletthra Cynarra V., *M.A.Lecturer* Phil./Logic
Walter De Sa, M.A., *Vice Principal*, Sociology
Annie Fernandes, M.A., *Lecturer*, Sociology
Alice Barneto D'Cruz, M.A, *Lecturer*, English
Prema Rocha, M.A., *Lecturer*, English
Shirlene Palha, M.A., *Lecturer*, English
Sunita Fernandes, M.A., *Lecturer*, English
Maria Claudette Gomes, M.A., *Lecturer*, English
Pamela Fernandes, M.A., *Lecturer*, History
Sharmila Pais, M.A., *Lecturer*, English
Ruth D'Souza, M.A., *Lecturer*, Psychology
Anuradha Kakodkar, M.A., *Lecturer*, Psychology
Simao Diniz, M.A., *Lecturer*, Psychology
Ubalдина Norohna, M.A., *Lecturer*, Psychology
Janet Fernandes, M.A., *Lecturer*, Psychology
B. Mascarenhas, M.A.B.Ed., *Lect.*, Economics
Gema Fernandes, M.A., *Lecturer*; Economics
Marlon D'Souza, M.A., *Lecturer*; Economics
Jacqueline Montero, M.A., *Lecturer*, Economics
Cajetan Raposo, M.A., *Lecturer*; Pol. Science
Tricia D. Vaz, M.A., *Lecturer*, Political Science
Magdalene D'Souza, M.Phil., *Lecturer*; Hindi
Ramita Gurav, M.A., *Lecturer*, Hindi
Aruna Ganu, M.A., *Lecturer*; Marathi
Vrunda Kelkar, M.A., *Lecturer*; Marathi
Satish Bute, M.A., *Lecturer*; Konkani
Dharma Chodankar, M.A. *Lecturer*, Konkani
Celia Da Costa, M.A., *Lecturer*, French
Jaime Couto, M.A. *Lecturer*, Portuguese
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
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. B. John, M.Sc., *Lecturer*, Physics
Daryl Gonsalves, M.Sc., *Lecturer*, Electronics
Vilma M. Fernandes, M.Sc., *Lectures*; Electro.
Menino Fernandes, M.Sc. *Lecturer*, Electronics
Maria Elaine Rodrigues, M.Sc. *Lecturer*, Botany
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
S.Velho Martins, M.Sc., *Lecturer*, Microbiology
U. Pinto Barreto, M.Sc., *Lecturer*, Microbiology
Judith D'Souza, M.Sc., *Lecturer*, Microbiology
L. M. D'Souza, M.Sc., *Lecturer*. Microbiology
A. S. Mudbidri, M.Sc., *Lecturer*, Mathematics
Ballcrishanan N. M.Sc. *Lecturer*, *Mathematics*
Ryan Fernandes, Ph.D., *Lecturer*, *Mathematics*
Fatima Pereira, M.Sc., *Lecturer*, *Mathematics*
Fatima Sheikh, M.Sc., *Lecturer*, *Mathematics*
E. D'Souza, M.C.A., *Lecturer*, Computer Sc. S. J.
Vaz, M.C.A., *Lecturer*, Computer Sc. S.
Majumdar, M.C.A., *Lecturer*, Computer Sc. P.
Mandrekar, M.C.M., *Lecturer*, Computer Sc.
Kusum Chodanlcar, M.C.A., *Leciurer*, Comp.Science
Joan D'Mello, B.E., *Lecturer*, Computer Science
B. Rajasekhar, M.Phil., *Lecturer*, Com./Accounts
Oscar D'Mello, *M.Com.*, Lect. Cost A/c & Mgt.A/c
M. Fernandes, *M.Com.*, Lecturer, Fin.A/c, Adt. & Tax
S. Da Costa, *M.Com.*, *Lecturer*, Fin.A/c, Adt. & Tax
S. Fernandes, *M.Com.*, *Lecturer*, Fin.A/c, Adt. & Tax
Yasmin Patvekar, M.Phil., *Lecturer*, Business Mgt.
Herwin Furtado, *M.Com.*, *Lecturer*, Business Mgt.
Dominic D'Souza, *M.Com.*, *Lecturer*, Business Mgt.
Carmelita D'Mello, M.M.S./SET, Lect. Bus.Mgt.
D. M. Jakatti, M.A., *Lecturer*, Geography/Ecology
Snehal Goltekar, L.L.M., *Lecturer*, Business Law
Milton Fernandes, M.P.E.D., Director, Phy.Edn.

4.3.3 List of Visiting Scholars: (Name of scholar, Institution, Title of lecture delivered, Date).
Joanna Kuchuradi, Centre of Research & Application of the Philosophy of Human Rights at Hacettepe University, Turkey, Human Rights, 7th March 2001.

4.3.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (Title /Theme, Dates, Funding agency, Name of depart).
Human Rights: Concepts and Problems, St. Xavier's College, Political Science, 84 7^h March 2001.

(b) (i) Attended: Seminars/Conferences: (Teacher, Theme of conference, Place, Date, Title of Paper).
B. C. Nair, Andhra University, Vishakapatnam, Andhra Pradesh, 3 to 5th Feb. 2001, Regulated Marketing Network for Farm produces in Goa: An Analysis.

(b) (ii) Attended: Workshops: (Name of the teacher, Theme of workshop, Place, Title of paper)
Rajshekar, How to Teach Students to set up small business ventures, Ahemadabad, Faculty Development Programme in Entrepreneurship.
Antimo Gomes, Higher Education at Crossroads, Rajasthan, 1) College Administration and Campus Discipline 2) Staff Enrichment : Teaching & Non-Teaching.

4.3.6 Publications: (a) Research Articles: Name of the teacher and bibliographical details : (Name, Title, Journal, Volume, Month/Year)
B. C. Nair, *Tourism in Goa : An Economic Analysis*, Yojana, Vol. 45, March,2001; *Regulated Marketing Network for Fara produces in Goa: An Analysis*, Indian Journal of Agricultural Marketing , Vol. 14, No.3, Sep,-Dec.2000.

4.3.8(b) Ph.D. degree conferred during the year: (Name of Candidate, Subject, Title of the thesis).
Tushar Anvekar, Preparation & Characterization of some transition metal oxides(superconductors).

4.3.9 Achievements: (Ranks/Merits in the University examinations/Sports activities).

(a) Academic: (Name of student, Achievement (i.e. rank etc), Examinations).
D'Souza Savita Thereza T^d Rank TYBA, Fernandes Janice 3^{''} Rank TYBA.
D'Souza Cedric 3^{''} Rank TYB.Sc.

(b) Sports : (Name of student/Team, Achivements (Medals/ Place etc.), Sports ,Team or Individual)
Championship in Table-tennis for boys, Weightlifting and best Physique competitions and were runners-up in Handball, Cross-country race and Cycling.
Championship in Badminton for women's team, Cricket, Hockey, Athletics and were runners-up in Football and Basketball.
Annika Madgavkar won prizes in Swimming events.

4.3.10 Any other information:

(a) Awards/Honours conferred. .
Fr. Antimo Gomes, Principal, was awarded the Bharat Jyoti Award, for his singular success and unique contribution in the field of Education, in December, 2000.

(c) Any other special achievement by student/staff:
The College won the overall championship for securing the highest number of prizes in the University Youth Festival held in February, 2001.

4.4 S.S. DEMPO COLLEGE OF COMMERCE & ECONOMICS, ALTINHO, PANAJI, GOA

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

S. L. Sardesai, M.A. <i>Principal</i> , Economics	Vinod Joshua, M. Corn., <i>Led.</i> , Accountancy
A. M. Rangnekar, M.Sc., <i>Vice-Prin.</i> Geography	V. H. Borkar, M.Sc., <i>Lecturer</i> , Maths & Stats.
A. P. Kamat, M.A., <i>Lecturer</i> , Economics	S. Usgaonkar, FCA, <i>Lecturer</i> , Accountancy
V.R. Naik, Ph.D., <i>Lecturer</i> . Economics	S. Chindarkar, M.Com. , <i>Lect.</i> , Accountancy
Nikil Vererkar, M.A., <i>Lecturer</i> , Economics	Gaud Tamba, FCA, <i>Lecturer</i> , Accountancy

S. J. Pai, LLB., *Lecturer*, Commerce
 P. Naik Gaonkar, [M.Com.](#), *Lect.*, Commerce
 D. D. Rodriguese, [M.Com.](#), *Led.*, Commerce
 P. Braganza, M.Phil., *Lecturer*, Commerce
 J. Menezes, [M.Com.](#), *Lecturer*, Commerce
 A. Mesquita, [M.Com.](#), *Lecturer*, Commerce
 S. B. Kamat, [M.Com.](#) *Lecturer*, Commerce
 C. Y. Ramani, FCA, *Lecturer*, Accountancy
 A. S. Sangoram, FCA, *Lecturer*, Accountancy
 K. D. Amlani, FCA, *Lecturer*,
 Accountancy

K.N. Joshi, M.Sc., *Lecturer*, Maths
 M. Pilgaonalcr, M.A. *Lecturer*, English
 A. G. Pinto, M.Phil., *Lecturer*, English
 S. Jadhav, MCM, *Lecturer*, Comp.Awareness
 Kedar Desai, M.Sc. *Lecturer*, Comp. Awareness
 D.B. Naik, M.A. *Lecturer*, Environment
 A. P. K. Moye, LLB, *Lecturer*, Bus. & Ind. Law
 Amol Thally, LLB, *Lecturer*, Bus. & Ind. Law
 G. I. Jamadar, B.P.Ed. M.A., *Director*, Of Sports,

4. 5 CARMEL COLLEGE OF ARTS, SCIENCE es COMMERCE FOR WOMEN, NUVEM

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

Sr. F. Mary A.C., M.Sc., *Principal*, Chemistry
 Lucrecia Pereira, M.Sc., *Lecturer*, Chemistry
 Cheryl Alvares, M.Sc., *Lecturer*, Chemistry
 Matilda Madtha A.C., M.Sc., *Lecturer*,
 Chemistry
 Fatima Fernandes, M.Sc., *Lecturer*, Chemistry
 Vijaya Borkar, M.Sc., *Lecturer*, , Chemistry
 Molly Joseph, M.Sc., *Lecturer*, Zoology
 Subhadra Devi Gadi, M.Phil., *Lecturer*, Zoology
 Manoj Borkar, Ph.D. , *Reader*, Zoology
 Vinita D'Sa, M.Sc., *Lecturer*, Zoology
 Maria Lizanne A.C., M.Sc., *Lecturer*, Zoology
 T.Gladys Mony, M.Sc., *Lecturer*, Maths
 Lalita Patil, M.Sc., *Lecturer*, Maths
 Marykutty Augusthy, M.Sc., *Lecturer*, Botany
 Nirmala Mendonsa, M.Sc., *Lecturer*, Botany
 Mini Vijayan, Ph.D., *Lecturer*, Botany
 Sulabha Phatak, Ph.D., *Lecturer*, Botany
 Meena Miranda, M.Sc., *Lecturer*, Botany
 Emma Maria M.A., *Lecturer*, History
 Leila Ribeiro, M.A. *Lecturer*, History
 Dina D'Silva, M.A., *Lecturer*, Political Science
 Lolita D'Souza, M.A., *Lecturer*, Political Science
 Louise Sequeira, M.A., *Lecturer*, Political Science
 K.J. Augusthy, M.A., *Lecturer*, Economics
 Radhika Nayak, M.A., *Lecturer*, Economics
 Glancy Borges, M.A., *Lecturer*, Economics

Roxana A. Singh, M.A., *Lecturer*, English
 Maria Luiza Valladares, M.A. , *Lecturer*, English
 Nizia Barbosa, M.A., *Lecturer*, English
 Runa D'Silva, M.A. *Lecturer*, English
 Rajendra, M.Phil., *Lecturer*, Physics
 Efrem D'Sa, M. Phil., *Lecturer*, Physics
 Mathew Marchon, M.Sc., *Lecturer*, Physics
 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
 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
 A. Satardekar, [M.Com.](#), *Lecturer*, Commerce
 Geeta Sawant, [M.Com.](#), *Lecturer*, Commerce
 P. P. Singh, L.L.M., *Lecturer*, Law
 Fanchika Goes, M.A. *Lecturer*, Geog.of Resources
 Olavo MenezeseGama, [M.Com.](#), M.P.Ed. Direct, P.E.
 Solley Thomas, M.C.A., *Lecturer*, Inf. Technology
 Maria Lourdes Fernandes, M.A., *Lecturer*, French

4.5.2 Highlights of the Research Activities:

UGC Minor Research Project — Lepidopteran diversity of Bondla Wildlife Sanctuary, Goa, India.2" Phase has commenced in June 2001, focussing on inventorization of Moths. Principal Investigator Dr. Manoj R. Borkar is collaborating with the State Forest Departments to set up a Butterfly Terrarium cum research centre in Goa.

National Biodiversity strategy and action Plan — A National Programme is underway, Dr. Manoj R. Borkar is a member of the NBSAP-Goa State Steering Committee and has submitted a report on Community knowledge of Lesser known Fauna of Goa with special reference to Mormugao & Salcete Talukas.

Dr. Manoj Borkar has been nominated on the National Co-ordination Committee for the International Co-ordinated Research "Millenium Ecosystems Assessment" being coordinated by Indian Institute of Science, Bangalore.

4.5.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (Title/Theme, Dates, Funding agency, Name of department).

Workshop on Basic counseling for Teaching Staff on 29th & 30th June 2000, AIACHE, Carmel College

(b) (i) Attended: Seminars/Conferences: (Name of teacher, Theme of conference, Place, Date, Title of paper)

Manoj R. Borkar & Subhadra Gadi., Dept of Zoology RSP College Jharia, Dhanbad, Jharkhand, 20' & 21' January 2001, (i) Environmental Profile of Goa in The concluding decade of the second millenium and (ii) Changing Environment of Goa as monitored through Remote Sensing Techniques-A case Study.

(b) (ii) Attended: Workshops: (Teacher, Theme of workshop, Place, Date, Title of paper)

Manoj R. Borkar, Towards a green future Educating for Sustainable development, Centre for Environment Ed., Pune, Environmental Ed. in Schools of Goa.

4.5.6 Publications: (a) Research Articles: Name of the teacher and bibliographical details : (Name of Teacher, Title, Journal, Volume, Month/Year)

Manoj R. Borkar, D. A. Bhiwgade & K. M. Avari, Fine Structure of prolactin cell of the female albino Rat, as effected by some anti fertility drugs, Indian J.EXP.Biol.,39(2):119-,2001

(b) Books: (Name, Title of the book, Place & Publisher, Year)

Shobha Verenkar, *Sathothari Hindi Upanyas ka shilp Vikas*, Nirmala Prakashan Delhi, 2001.

4.5.9 Achievements: (Ranks/Merits in the University examinations/Sports activities).

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

(i) De Xavier Carvalho Cecilia Nisha 1' Rank, University Exam

(ii) Carvalho Edzia Zino r^d Rank, University Exam.

(b) Sports: Name of the students/Team, Achivements (Medal/Place etc), Sports(Team or Individual)

All Goa Football — Winners

All Goa Handball — Winners

All Goa Tennikoit — Winners

All Goa Volleyball — Runners-up

All Goa Basketball — Runners-up

4.5.10 Any other Information:

Six girls represented Goa University at the Inter-University Women Football Tournament held at Gwalior, Madhya Pradesh.

4.6 MURGAON EDUCATION SOCIETY'S COLLEGE OF ARTS as COMMERCE, ZUARINAGAR

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

H. T. Nagvenkar, M.A., *Principal*, Economics
Up to 30.4.01

D. A. Kamat, M.Sc., *Principal*, Maths & Statistics

K. S. Nairi, M.A., LL.M., *Lecturer*, Economics

Rekha Gaonkar, Ph.D., *Lecturer*, Economics

Meenakshi Gedam, M.Phil., *Lecturer*, Economics

Harsha Shirwaikar, M.A., *Lecturer*, Economics

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

Rashtni Bhargava, Ph.D. *Lecturer*, Psychology

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

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

Jessy Crasto, M.A., *Lecturer*, Sociology

M.C. Rodrigues, Ph.D., *Lecturer*, Political Science

A.M. Sambargi, M.Phil., *Lecturer*, Pol. Science

B. S. Ingalhalli, M.A., *Lecturer*, Geography

M. L. Pednecar, M.Phil., *Lecturer*, Commerce

B. V. Kolekar, [M.Com.](#), *Lecturer*, Commerce

V.V. Sail, M.Phil., *Lecturer*, Commerce

Chatnpa Parab, [M.Com.](#), *Lecturer*, Commerce

Sonali Thorat, [M.Com.](#), *Lecturer*, Commerce

Savia Mendes, [M.Com.](#), *Lecturer*, Commerce

Prakash Pawar, FCA, *Lecturer*, Accountancy

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

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

Ashish Joshi, [M.Com.](#), *Lecturer*, Commerce

S. K. Shirodkar, [M.Com.](#), *Lecturer*, Accountancy

Ulhas Shetye, LLB, *Lecturer*, Business Law S.

Kadam, M.Sc., *Lecturer*, Computer Awareness

Yogita D'Souza, M.Sc., *Led.* Maths/Statistics

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

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

Cosma Fernandes, M.A., *Lecturer*, Konkani

Jenet Borges, M. A., *Lecturer*, Hindi

Narendra M. Naik, M.A., *Lecturer*, Marathi

P.A. Borgave, M.P.Ed., *Sports Dir.*, Physical Edn

V. S. Hazare, M. Lib. Sc., *Librarian*, Library

4.6.2 Highlights of the Research Activities:

Dr. R.B. Patil, Research paper on "The problems of the Aged in Goa" Some reflections, Samaj.

Shodhana, Mangalore Sociology Association, Mangalore

4.6.5 Seminars/Conferences/Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding agencies, Name of department).

Research Methodology, 17th March, 2001, Govt. of Goa ,Sociology

Society in India, 21st April, 2001, Govt. of Goa, Sociology

Relevance of Geography in 21st Century, 30th March, 2001 ,Goa University, Earth Science.

4.6.5 (b) (i) Attended: Seminars/Conferences: (Teacher, Theme of conference, Place, Dates, Title of Paper).

Dr. R. B. Patil, (i)University of Kerala, Thiruvananthapuram, Thiruvananthapuram — Kerala, 29th to 31st December 2000, Peasant Movement and Social Change: An Analysis of the role of the Karnataka Rajya Raitha Sangha. (ii) Dept. of Sociology, University of Mumbai, Mumbai, 23rd & 24th March 2001, Women's Movement in Goa: A case of Bailancho Saad.

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

H.T. Nagvenkar, Economics, Salt & Goan Economy during the Portuguese Regime.

4.6.9 Achievements (Ranks/Merits in the University examination/Sports activities).

(b) Sports Activities: (Name of students/Team, Achievements (Medals/Place etc.) Sports (Team or Individual).

Anthony T. Fernandes secured Gold Medal in Hurdles and Long Jump and also secured Individual Championship at Goa University Inter-Collegiate Athletic Championship.

Jennifer T. Fernandes secured Gold Medal in Hurdles and also secured Individual Championship at Goa University Inter-Collegiate Athletic Championship.

Amit Borkar secured Gold Medal in Hurdles.

Anthony Fernandes, Amit Borkar, Rohan Fernandes & Alvito Rodrigues secured Bronze Medal in High Jump.

4.7 SHREE DAMODAR COLLEGE OF COMMERCE & ECONOMICS, MARGAO

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

I. Bhanu Murthy, Ph.D. *Principal*

U. N. Pulapaka, M.Com., *Lecturer*, Commerce

N. Gopinathan, M.Phil., *Lecturer*, Commerce

A. R. Neelgar, M.Phil., *Lecturer*, Commerce

S. K.M. Bhat. M.Com., *Lecturer*, Commerce

Leena Sadekar, M.Com., *Lecturer*, Commerce

Shami R. Pai, M.Com., *Lecturer*; Commerce

Anjali Sajilal, M.Com., *Lecturer*, Commerce

S. P.S. Dessai, M.Com., *Lecturer*, Commerce

S.G. Prabhudesai, M.Phil., *Lecturer*, Commerce

Manoj Kamat, M.Com., *Lecturer*, Commerce

Edwin Barreto, M.Com., *Lecturer*, Commerce

Pooja Prabhudesai, M.Com., *Lecturer*, Commerce

R. D'Silva, M.M.S., *Lecturer*, Com.& Mgmt.

J.M. Rebello, M.A., *Lecturer*, English

Florence Rebello, M.A., *Lecturer*, English

Branda Coutinho, M.A., *Lecturer*, English

Sunil Naik, M.Sc., *Lab.Asst.*, Comp. Science

D. Nagvenkar, B.Com. PGDCA, *Comp. Instrc.*

M.E. .Abranches, M.Sc., *Led*, Maths & Statistics

V.G. Patil, M.Sc., *Lecturer*; Maths & Statistics

N.G. Nayak, M.Sc., *Lecturer*; Maths & Statistics

G. G. Kondli, M.A., *Lecturer*, Economics

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

P. D. Mallya, M.Phil., *Lecturer*, Economics

Lira Menezes Gama, M.A., *Lecturer*; Economics

B. P. S. Chandran, M.Phil., *Lecturer*, Economics

Branda Rodrigues, M.A., *Lecturer*, Economics

Sharmila Kunde, B.E., *Lecturer*, Infotech.

. J. M. Verlekar, F.C.A., Accountancy

V. F. Chimulkar, F.C.A., *Lecturer*, Accounts

P.P. Singh, LL.M, *Lecturer*, Business Law

A. M. Redkar, LL.M., *Lecturer*, Business Law

U. S. More, M.A., *Lecturer*, Geography

Sudhakar Naik, B.P.Ed., *Director*, Sports

K.G. Desai, M.C.A., *Lecturer*, Computer Science

Dimple Paul, M.C.A., *Lecturer*, Comp.Scince

Deepa Pujari, B.E., *Instructor*, Computer Science

4.7.5 Seminars/Conferences/Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding agency, Name of department).

Value Education, 17th Feb. 2001, Vidya Vikas Mandal, Org. by Vidya Vikas Mandal.

(b) (i) Attended: Seminars/ Conferences: (Teacher, Theme of conference, Place, Date, Title of paper).

G.G. Kondli, Lydia Menon, Prita Mallya, One day Seminar on Impact of Globalisation on Goa's Economy, Dept. of Economics, Goa University, 24th Oct. 2000.

Prita Mallya, Seminar on 'Measurement of Production and efficiency', Indore, 6th & 7th Nov. 2000.

Mancy Dias, Conference on "Reengineering the Library", SNDT Univ. Pune, 3rd & 4th Nov. 2000.

(b) (ii) Attended: Workshops: (Teacher, Theme of Workshop. Place, Date, Title of paper).
 Sharmila Kunde, Nutan Naik, Workshop on Information Technology, G. U., 26th to 28th June 2000.
 Florence Rebello, Workshop on Solid Waste Disposal for NSS Programme Officers, Goa Desk Resource Centre, 30th June 2000.
 Uma Pulapaka, Lira Gama, Workshop on Prevention of Aids, Green Ray Foundation Goa, 22d July 2000.
 Uma Pulapaka, Shilpa Prabhudesai, National Workshop on Brand Building Strategies In Globalisation — Challenges before India, School of Management Chaitanya Bharath Inst. Of Technology, Hyderabad, 11th Nov. 2000.
 Bhanu Murthy, Workshop for Principals on Information Technology and Management of Col., Indian Colleges Forum, New Delhi, 16th to 20th Dec. 2000.
 Manoj Kamat, Introduction Programme in Management Paedagogy & Research, Indian Institute of Management Kozhikode, 16th Dec. to 1st Jan. 2001.
 Bhanu Murthy, Workshop for Principals of Colleges in Goa on self Development, College Development Council, Goa University and Education Resource Centre, New Delhi.

4.7.10 Any Other Information :

Florence Rebello, Orientation Course for Programme Officers of the NSS, NSS Training & Orientation Centre, Ahmadnagar, 9th to 18th Oct. 2000.

N. Gopinath, Lina Sadekar, Shami Pai, Refresher Course in Commerce, ASC G. U., 1st to 28th Nov. 2000

G.G. Kondli, Refresher Course in Economics, Academic Staff College, G.U., 1st to 21st Dec. 2000.

4.8 D.M'S COLLEGE OF ARTS, SOU. SHEELA PREMANAND VAIDYA COLLEGE OF SCIENCE AND V.N.S. BANDEICAR COLLEGE OF COMMERCE, MAPUSA

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

R. D. Arsekar, M.A., LLB., <i>Principal</i> , Economics	E.J. D'Lima, M.Phil, <i>Lecturer</i> , English
X. P. D'Souza, M.A., <i>Lecturer</i> , Economics	M.Shantlii, M.A., <i>Lecturer</i> , English
Prashant V. Kadam, M.A., <i>Lecturer</i> , Economics	Reema Kanekar, M.A., <i>Lecturer</i> , English
A. Haladi, M.A., <i>Lecture</i>); Economics	R. V. Dukle, F.C.A., <i>Lecturer</i> , Accountancy
Nikhil Varerkar, M.A., <i>Lecturer</i> , Economics	S. P. Morajkar, M.Com. , <i>Lecturer</i> , Accountancy
S.FI. Kulkarni, M.Phil., <i>Lecture</i>); Commerce	Sirsat P. R., M.Com. , <i>Lecturer</i> , Accountancy
S.D. Patil, M.Com. , <i>Lecturer</i> , Commerce	Pawar P. P. F.C.A., <i>Lecture</i>); Accountancy
M.R. Patil, M.Phil, <i>Lecture</i>); Commerce	Joshi Damodar, F.C.A., <i>Lecture</i>); Accountancy
S. F. Shirodkar, M.Com. , <i>Lecturer</i> , Commerce	Kamat S.J. F.C.A., <i>Lecturer</i> , Accountancy
P. Talpalkar, M.Com. , <i>Lecture</i>); Commerce	Shekhar Sawant, M.Com. , <i>Lecture</i>); Accountancy
Redkar R. R. M.Com. , <i>Lecturer</i> , Commerce	S. B. Karapurkar, M.C.A., <i>Lecturer</i> , Comp.Scie.
Pednalkar Achut, M.Com. , <i>Lecturer</i> , Commerce	Shaila Nair, M.C.A., <i>Lecturer</i> , Comp. Science.
T. Reena Devi, M.Com. , <i>Lecturer</i> , Commerce	Pokle A. M., MCA, <i>Lecture</i>); Computer Science
M. V. Subhedar, M.Sc., <i>Lecturer</i> , Physics	Rane U. V. M.Sc., <i>Lecture</i>); Computer Science
S. Parvez Mohammed, M.Sc., <i>Lecturer</i> , Physics	Fernandes M. J. A., M.Sc., <i>Lect.</i> , Computer Scien
Yatin Desai, M.Sc., <i>Lecturer</i> , Physics	Gandhali Nadkarni, B.E., <i>Led.</i> , Comp.Science
S. B. Dharwadkar, M.Phil, <i>Lecturer</i> , Geography	Jacob Varkey, M.A., M.Ed.LLM, <i>Led.</i> , History
Suchita Arolkar, M.Sc., <i>Lecturer</i> , Mathematics	Varerkar M. Vanamali, M.A., <i>Lecturer</i> , History
Kuncolienkar S. R., M.Sc., <i>Lecturer</i> , Mathematics	Sameer M. Patil, M.Sc., <i>Lecturer</i> , Electronics
S.A. Diwan, M.Sc., <i>Lecturer</i> , Statistics	Sunoj P. Raicar, M.Sc., <i>Lecturer</i> , Electronics
Mascarenhas A. M.P.Ed., <i>Director</i> , Phy.Ed.	Abhyankar G.G. B.E., <i>Lecturer</i> , Electronics
Dhavjekar G. Tukaram, LLB, <i>Lecturer</i> , Law	Vidya Desai, Ph.D. <i>Lecturer</i> , Chemistry
Naik Sanjay Madhu, M.A., <i>Lecturer</i> , Hindi	Pednekar R. M. M.Sc., <i>Lecturer</i> , Chemistry
	Varsha M. Natekar, M.Sc., <i>Lecturer</i> , Chemistry

4.8.6 (a) Publications: (a)Research Articles: Name of the teacher and bibliographical details : (Teacher, Title, Journal, Volume, Month/Year)

M.R. Patil, *Regulated Marketing Network for Farm Products in Goa: An Analysis*, Indian Journal of Agricultural Marketing, Vol. 14 No.3, Conf-spl 2000.

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

M.R. Patil, Commerce, A Study on the performance. Evaluation of Urban Co-operative Banks in Goa.
 Vidya Desai, Chemistry, Synthetic studies in Biologically Active compounds.

4.8.9 Achievements: (Ranks/Merits in the University examinations/Sports activities).

(a) Academic: (Name of student , Achivements(i.e. Ranks etc.), Examination.

Andrade Naval Joseph, 2nd Rank, T.Y.B.Sc.

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

Inter-collegiate Handball Championship. Hockey Championship for men, All Goa Tennis Ball Championship org. by Goa Tennis Ball Cricket Association, Runners up trophy in women's Hockey and was awarded Best March-Past Cup in Athletic Championship.

Amit Madwalkar & Nita Pednekar bagged individual championships.

Rupesh Kalangutkar, Best Judo Award.

Gautam Narvekar represented Goa Cricket Team for Ramchandra Trophy at Banglore and Cooch Behar trophy at Hyderabad, Cochin.

Shailesh Kothawale represented Goa at National Volleyball Tournament, Hyderabad.

4.8.10 Any other information :

(c) Any other special achievements by staff.

Vidya Desai, Post-Doctoral Research at Westfalische Wilhelms — Universitat, MUNSTER, Germany.

S. B. Dharwadkar, promoted to Lieutenant.

4.9 GVM's COLLEGE OF COMMERCE AND ECONOMICS, PONDA

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

P.M.Bhende,M.Phil, *Principal*, Commerce

P.G.Dandin,[M.Com.](#) *Lecturer*, Commerce

Meera Mayekar,[M.Com.](#), *Lecturer*,Commerce

Smita Hede,M.Phil.,*Lecturer*, Commerce

Latha Menon,[M.Com.](#) *Lecturer*, Commerce

Kanta Bhandari, M.Phil, *Lecturer*, Commerce

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

Raina Pinto,[M.Com.](#) *Lecturer*, Commerce

Vedita Veniekar,[M.Com.](#), *Lecturer*, Commerce

Sarvesha Bhandari,[M.Com.](#), *Lecturer*,Commerce

C.N.Phadte,M.Phil, *Lecturer*, Maths/Statistics

Ana Falleiro,M.Phil, *Lecturer*, Maths/Statistics

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

Vinaya Gaorikar,M.Sc., *Lecturer*, Comp.Science

Namita Kamat,M.Sc., *Lecturer*, Comp. Science

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

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

P. N. Maske, M.A., *Lecturer*, Politics

Betty D'Silva,M.P.Ed.,*Director*, Physical Edn.

4.9.5 Seminars/Conferences/Workshops etc.

(a) Organised: (Title/Theme, Date, Funding Agency, Name of Dept.)

One day Workshop " Motivational Campaign for Entrepreneurship Development," in collaboration with Small Industries Service Institute, Margao, 14th March 2001.

(b) (i) Attended : Seminars/Conferences: (Teacher, Theme of conference, Place, Date, Title of paper).

Ida Oommen, Dr. S. R. Ranganathan, National Seminar on Library Public Relations "Challenges of the New Millenium," 9th to 12th Aug. 2000, Goa Library Association and Goa University Library.

Geetanjali Urankar, Seminar on "Impact of Globalisation on Goa's Economy", organised by Dept. of Economics, Goa University.

P. G. Dandin, attended 22nd Academic Conference and National Seminar on "The Dynamics of Higher Education in the Context of Globalisation", Chennai,14th to 16th Oct.2000,All India Federation of University and College Teachers Organisation.

P. M. Bhende, participated in 3rd National Conference at Gyan Sarovar, Mt. Abu,6th to 10th Jan.2001, Association of Indian college principals , participated in Faculty workshop for partnership for college principals, College Development Council in collaboration with Educational Resources Centre, New Delhi, at Goa University.

(b) (ii) Attended: Workshops: (Name of Teacher, Theme of workshop, Place, Date, Title of paper).

Prabhakar Rane, participated Faculty Development programme "Current Development in Industry and Business", Institute of Chartered Financial Analysts of India, Hyderabad, 17th to 20th April, 2000.

Geetanjali Urankar, attended a training programme on 'Role of Panchayati Raj in Agriculture Development, 28th May to 2nd June 2001, National Institute of Rural Development, Hyderabad. Vinaya Gaonkar, Information Technology, 26.h_ 28th June 2000, Academic Staff College, Goa University.

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

(b) Sports: (Name of Student /Team, Achievement, (Medal/Place etc.) Sports(Team or Individual). Kho-Kho team Men and Women won the Championship at All Goa Inter- Collegiate Kho-Kho Tournament of Goa University; Robert Fernandes represented Goa University at Inter-University Football tournament; Shivdas K. Parab is selected for Base-Ball team at National Level, Secunderabad from 27th Dec.2000.

4.9.10 Any Other Information:

Geetanjali Urankar, Orientation Course, 13th March to 8th April 2000, University of Pune.
Pradip N. Maske, Refresher Course, ASC, Jawaharlal Nehru University, Pune, 11th Sept. to 6th Oct. 2000.
M. Mayekar, S. Hede & P. Rane, Refresher Course, AS College, Goa University, to 21st Nov.2000.

4.10 P.E.S. COLLEGE OF ARTS as SCIENCE, PONDA

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

A. K. Heblekar, Ph.D, <i>Principal</i> , Physics	Prabhu, M.Sc., <i>Lecturer</i> , Zoology
P. R. Hede, Ph.D., <i>Vice-Prin.</i> , Pol. Science	Fernandes, M.Sc., <i>Lecturer</i> , Zoology
M. V. Dixit, M.Phil, <i>Lecturer</i> , Physics	Teja A. Gramopadhye, M.Sc., <i>Lecturer</i> , Zoology
G. V. S. Kundaikar, M.Phil, <i>Lecturer</i> , Physics	Sunita R. Borkar, M.Sc., <i>Lecturer</i> , Microbiology
S. H. P. Keluskar, M.Phil, <i>Lecturer</i> , Physics	C. F.E. Fernandes, M.Sc., <i>Lecturer</i> , Microbiology
Mandakini V. Rane, M.Sc, <i>Lecturer</i> , Physics	V.S. Samant, M.Phil., <i>Lecturer</i> , Maths
A.S. Dinge, Ph.D., <i>Reader</i> , Chemistry	M. N. Kulkarni, M.Sc., <i>Lecturer</i> , Maths
S. D. Gokakakar, M.Sc., <i>Lecturer</i> , Chemistry	M.G. Amonkar, M.Phil., <i>Lect.</i> , Comp. Awareness
A. B. Kanolkar, M.Sc., <i>Lecturer</i> , Chemistry	Jasmine Curian ,M.A., <i>Lecturer</i> , English
R. G. Shetkar, M.Sc., <i>Lecturer</i> , Chemistry	A. V. Bhandiwad, M.Phil., <i>Lecturer</i> , Economics
B. L. Malik, Ph.D., <i>Lecturer</i> , Chemistry	J.G. R. Monteiro, M.A., <i>Lecturer</i> ; Economics
V. D. Vaze, M.Sc., <i>Lecturer</i> , Chemistry	K. R. Kunkolienlcar, Ph.D., <i>Lecturer</i> , Philosophy
Vikas J. Pissurlekar, M.Sc., <i>Lecturer</i> , Chemistry	Anjali M. Rao, M.A., <i>Lecturer</i> , Philosophy
Anita Tilve Manekar, Ph.D., <i>Lecturer</i> ; Chemistry	V.V. Kamat, Ph.D., <i>Lecturer</i> , History
Virendra S. Dangui, M.Sc., <i>Lecturer</i> , Chemistry	Padmaja V. Kamat, M.A., <i>Lecturer</i> , History
B. F. Dias Barreto, M.Sc., <i>Lecturer</i> , Chemistry	Badruddin, Ph.D., <i>Lecturer</i> , Pol. Science
Harsha Uskaikar, M.Sc., <i>Lecturer</i> , Chemistry	V.V. Prabhudesai, Ph.D., <i>Lecturer</i> , Marathi
Seema V. Kamat, M.Sc., <i>Lecturer</i> , Botany	Deepak R. Chatre, M.A., <i>Lecturer</i> ; Marathi
Kasturi N. Desai, Ph.D., <i>Lecturer</i> , Botany	Sandeep Lotlikar, M.A., <i>Lecturer</i> , Hindi
P. Bhattacharya, Ph.D., <i>Lecturer</i> , Botany	Uma Priolkar, M.A., <i>Lecturer</i> , Hindi
R. P. Prabhu Gaonkar, M.Sc., <i>Lecturer</i> , Botany	D. M. Desai, M.P.Ed., <i>Director</i> , Physical Edn.
Lynette Fernandes, M.Sc., <i>Lecturer</i> ; Botany	Bhushan V. Bhave, M.A., <i>Lecturer</i> . Konkani
B. Halarnekar, M.Sc., <i>Lecturer</i> , Botany	Amresh Talaulikar, M.A., <i>Lecturer</i> , Konkani
Susan Marcos, M.Sc., <i>Lecturer</i> , Zoology A.	F. Maria Noronha, M.A., <i>Lecturer</i> , Psychology
V. Deshpande, Ph.D., <i>Lecturer</i> , Zoology	Priya U. Sabnis, M.A., <i>Lecturer</i> , Psychology
S. H. Bhosale, Ph.D., <i>Lecturer</i> , Zoology A. K.	G.P.P. Khanolkar, M.Sc., <i>Lecturer</i> , Zoology

4.10.3 List of Visiting Scholars: (Name of scholar, Institution, Title of lecture delivered, Date).

E. Desa, Goa University, Nuclear Physics, Feb. 2001.

4.10.4 Sponsored Research Projects sanctioned during the concerned academic year. (Name of Investigator/s, Topic, Date of Sanction, Funding Agency, Amount).

Dr. Baddruddin, Bangladeshi Refugees in India & The issues of Human Rights, 14th Nov. 2000, UGC, Rs. 15,000/-

V.V. Kamat, "The Portuguese and British Colonialism in the Indian subcontinent a comparative study of Socio-Political and Economic Aspect" March 2001, UGC, Rs.40,000/-.

4.10.5 Seminar/Conferences/Workshops, etc.

(b)(i) Attended: Seminar/Conference: (Name of teacher, Theme of conference, Place, Dates, Title of paper).

Dr. Badruddin, Department of Political Science, Goa University, Taleigao Plateau, 14th April 2001.
Metastrips : Environmental viability and sustainability.

4.10.6 Publications : (a) Research Articles: Name of teacher and bibliographical details: (*Name, Title, Journal, Volume, Month/Year*).

Badruddin, *Ethnic Cleansing in Bosnia — Herzegovina Imperatives for Human Rights*, Aligarh Law Journal, XII (Special issue on Human Rights) April 2001.

4.11 NAVAL ACADEMY, INS MANDOVI, V.EREM

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

Cdr NVS Raju, M.Sc., <i>Principal</i>	Lt Monica Pande, M.Sc., <i>Edu. Off.</i> , Maths
Lt Cdr S. Chalcraboty, M.Sc., <i>Head</i> , Physics	Lt S S Pai, BE, <i>Head</i> , Information Technology
Lt Babita Rawat, M.Sc., <i>Edu.Off.</i> , Physics	Lt Shalini Kansal, BE, <i>Edu. ,Off.</i> , Inf. Technology
Lt Punam Pant, M.Sc., <i>Instructor</i> , Physics	Lt Cdr Indu Prakash, M Sc., <i>Sp. In Oceanography</i>
Lt. Reena Magdalene S, BE, <i>Edu.Gff</i> , Physics	<i>Head</i> , OCE & MET
SLt Nidhee Sharma, M.Sc., <i>Edu.Officer</i>	Lt Shruti Dhawan, M.Sc., <i>Head</i> , Chemistry
Lt Cdr M Anand, M.Sc. <i>Head</i> , Maths	Tamal Guha ,M A, <i>HOF</i> , English
Lt Cdr P. J. Singh, M.Sc., <i>Edu. Off.</i> , Maths	

4.11.9 Achievements:

(b) Sports: (Name of Student/Team, Achievement, (Medal/Place etc.) Sports (Team or individual)
Bagged nine out of first ten places in the Inter-college cross-country championship.

4.12 C.E.S. COLLEGE OF ARTS & COMMERCE, CUNCOLIM

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

L.G.Naik, <u>M.Com.</u> , LL.B., Actg. <i>Prin.</i> , Commerce	C. R. S. Sancordenkar, M.A., <i>Lecturer</i> , Hindi
S. S. Nadkarni, M.Phil., <i>Lecturer</i> , Accountancy	P. R. Morakar, M.Phil., <i>Lecturer</i> , Geography
A. Rodrigues, <u>M.Com.</u> , <i>Lecturer</i> , Accountancy	S. V. Prabhu Shastri, M.A., <i>Lecturer</i> , Geography
S. M. Popker, <u>M.Com.</u> , <i>Lecturer</i> , Accountancy	Bhanumati C. Pilli, M.A., <i>Lecturer</i> , Geography
S. V. Katageri, M.A., <i>Lecturer</i> , Political Science	Sucorina E D'Cunha, M.A., <i>Lecturer</i> , Sociology
T. M. N. Gaunekar, M.A., <i>Lecturer</i> , Political Sc.	Sushama S. Salokhe, M.A., <i>Lecturer</i> , Marathi
Apoorva A. Marathe, M.A., <i>Lecturer</i> , Economics	Nityanand B. Naik, M.A., <i>Lecturer</i> , Konkani
Avinash V. Raikar, M.A., <i>Lecturer</i> , Economics	Ajay G. N. Desai, LL.B., <i>Lecturer</i> , Business Law
M. F. Monteiro, M.Phil., <i>Lecturer</i> , English	R. S. Vernekar, M.P.Ed., <i>Dir.</i> , Physical Education
Anand S. Dessai, M.Sc., <i>Lecturer</i> , Mathematics	Gaus Khan Usman Khan, M.Lib.I.Sc., <i>Librarian</i>
	Sharon D'Cruz, M.A., <i>Lecturer</i> , History

4.12.8 (b) Ph.D./ M.Phil. degree Conferred during the year.

Ramlal Vernekar, M. Phil., Pune University.

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

(b) Sports: (Name of Student/Team, Achievement, (Medal/Place etc.) Sports (Team or individual)
Runners up position, Inter-collegiate Kho-Kho events.

Two gold Medals Weight Lifting./Power Lifting, Individual category.

Runner up position in Volleyball in Inter-Collegiate Sports festival organised, Fr. Agnel College.

4.13 GOVERNMENT COLLEGE OF ARTS, SCIENCE & COMMERCE, SANQUELIM

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

B.A. Gomes, Ph.D., <i>Principal</i> , Economics	Avinash Patil, B.E., <i>Lecturer</i> , Computer Science
Lucy James, M.A., <i>Vice-Principal</i> , English	K.R. Badiger, Ph.D., <i>SrLecturer</i> , Geography
Maria Helena Souza, M.Phil, <i>Sr.Lecturer</i> , English	Josephine Dias, M.A., <i>Lecturer</i> , Geography
S. Jamlchandi, M.A., <i>Lecturer</i> , English	Anil Karambelkar, M.Sc., <i>Sr. Lecturer</i> , Geology
Gervasio Mendes, M.A., <i>Sr.Lecturer</i> , Economics	S. A. Joshi, Ph.D., <i>Sriecturer</i> , Hindi
Agnela Dias, M.A., <i>Lecturer</i> , Economics	
Shilpa Satoskar, M.A., <i>Lecturer</i> , Economics	
Shubha Kamat, B.E., <i>Lecturer</i> , Computer Science	
Nilesh Natekar, B.E., <i>Lecturer</i> , Compu. Science	

P. N. Thomas, M.Sc., *Sr. Lecturer*, Botany
 R. K. Tari, M.Sc., *Sr. Lecturer*, Botany
 J.P.P. Pacheco, M.Sc., *Sr. Lecturer*, Chemistry
 Ashok Chodankar, M.Sc., *Sr. Lecturer*,
 Chemistry J. Bhattacharjee, Ph.D., & *Lecturer*,
 Chemistry Purnakala Samant, Ph.D., *Lecturer*,
 Chemistry Varsha Sail, M.Sc., *Lecturer*,
 Chemistry
 Jyoti Sawant, M.Sc., *Lecturer*, Chemistry
 Chandrashekhar Rao, M.Com., *Lecturer*, Comm.
 M.B. Gosarwadkar, M.Com., *Sr. Lect.*, Commerce
 R.Divakar, M.Com., *Lecturer*, Commerce
 Vanita Patil, M.Com., *Lecturer*, Commerce
 Manda Patil, M.Com., *Lecturer*, Commerce
 Prashant Bhonsle, M.Com.M.A., *Lect.*, Commerce
 Sayed A. S.M., M.Phil, & *Lecturer*, Political Sc.

Rekha Mishra, M.A., & *Lecturer*, History
 Sneha Mahambre, M.Phil., *Sr. Lecturer*, Marathi
 Sunita Kanekar, M.A., & *Lecturer*, Konkani
 D. G. Bandiwadkar, M.Sc., *Sr. Lecturer*, Maths
 Santosh George, Ph.D., *Lecturer*, Mathematics
 Norma Rebell^o, Ph.D., *Sr. Lecturer*, Philosophy
 N.B. Bhat, M.Phil, *Sr. Lecturer*, Physics
 S. Jahagirdar, M.Phil, *Sr. Lecturer*, Physics
 Mahendra Pednekar, M.Sc., *Lecturer*, Physics
 Aga D.A. M.Phil., *Lecturer*, Physics
 Sowmini Thomas, M.Sc., *Sr. Lecturer*, Zoology
 K. S. Muralidhar, Ph.D., *Sr. Lecturer*, Zoology
 Preethi Thomas, M.Sc., *Lecturer*, Zoology
 Vaibhav Chindarkar, M.Sc., *Lecturer*, Zoology
 K. K. Bable, M.P.Ed., *Director*, Phy. Education

4.13.2 Highlights of the Research Activities :

P. N. Thomas, minor research project sponsored by U.G.C. regarding " Plant biodiversity of Sanquelim Goa" - a 2 year project work-2000-2001 to 2001-2002.

4.13.5 Seminars/Conferences/Workshops etc.

(a) Organized: (Title/Theme, Dates, Funding agency, Name of department).

Limitations of Syllabus -Practicals, 24th April 2001, Govt. of Goa, Physics Dept.,

W.T.O.- Its effects on Indian Economy, 28th March, Self financed, Com. & Economics Dept.

Workshop on AIDS Awareness, August, 2000, Goa University, N.S.S. Unit.

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

Sayed Abdullah, (i) Solidarity Forum, Pilar, P Feb 2001, Inter Faith Unity ;ii) Dept. of Political Science, Goa University, 21st April 2001, Subordinate Courts — A case study of Bicholim Court.

S. A. Joshi, Current Awareness Cell Govt College, Sanquelim, Sankhali, 15th Sept. 2000, ethical Point of view of Human Genome Project.

4.13.6 (b) Publications:

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

J. P. P. Pacheco, *College Practical Chemistry for 7th. Y.B.Sc.*, Himalaya Publishing House, 2000.

Joydeep Bhattacharjee, *College Practical Chemistry for T.KB.Sc*, Himalaya Publishing House, 2000.

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

(a) Academic: (Name of student, Achievement (i.e ranks etc), examinations).

Shierly Rodrigues, 1st Rank, T.Y.B.Com. Goa University.

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

Secured V place in the Men's Judo Championship at the inter-collegiate Judo competition, organised by Goa University. Also, secured 1st place in the inter-collegiate women's Judo competition, Secured 3 Gold, 2 Silver and 5 Bronze medals in the Inter-collegiate Judo competition,

Both Men's & Women's teams - Runners-up in inter-collegiate Kabaddi Tournament, Goa University.

College ICho-Kho Women's team runners-up in the intercollegiate tournament, Goa University.

College Men's Athletic team stood 3rd in the Inter-collegiate Athletic Meet, 2000-2001 by scoring 32 points. Amol Kamble from T.Y.B.A. secured 2nd position in the inter-collegiate Athletic Men's individual Championship, 2000-2001. He bagged 2 Gold in 1500 mts. and 800 mts. in the Running event, 2 Silver in 400 mts. and 400 mts. in the Hurdles events. He also bagged a Bronze medal in All Goa State Level Athletic Meet organised by Mandovi Athletic Club, Goa on 24th Sept. 2000 at Campal, Panaji.

College Athletics team inter-collegiate Athletic Meet, 2000-2001. (3 Gold, 4 Silver & 5 Bronze).

Gold Medalists in the Inter-Collegiate Tournaments during 2000-2001 are as follows:-

Sandesh Barazankar, Judo & Athletic (High Jump); Vishnu Pethkar, Judo; Sanjivini Dalvi, Judo; Amol Kamble, Athletics (1500mts. & 800mts. Running).

4.13.10 Any other information:

(c) Any other special achievement by students/staff.

Santosh George selected for the Associateship Program for University Lecturers by the Institute of Mathematical Sciences, Chennai, India.

4.14 GOA COLLEGE OF HOME SCIENCE, PANAJI

(INFORMATION NOT RECEIVED)

4.15 GOVT. COLLEGE OF ARTS, SCIENCE as COMMERCE, KHANDOLA

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

M. M. Sangodkar, Ph.D., *Principal*
Anita S. Kumar, M.A., *Sr. Lecturer*, English
Isabel Dennis, Ph.D., *Sr. Lecturer*, English
Seema P. Rath, M.A., *Sr. Lecturer*, Economics
Christina De'Souza, M.A., *Sr. Lect.* Economics
Prabir Kumar Rath, Ph.D., *Sr.Lect.*, Geography
Pravina Kerkar, M.A., *Lecturer*, Geography
Asha B. Gahloth, M.A., *Sr. Lecturer*, Hindi
Usha P. Bhende, Ph.D., *Sr.Lecturer*, History
Sunetra P. Narvenkar, M.A., *Lecturer*, Marathi
Prakash Vazrilcar, M.A., *SrLecturer*, Konkani
Mahesh Pai, M.A., *Sr.Lecturer*, Psychology
Jivexa Bhattacharjee, Ph.D., *Sr. Lea* Chemistry
S.M. Gurav, Ph.D., *Sr. Lecturer*, Chemistry
Jennifer Almedia, M.Sc., *Lecturer*, Chemistry

S. Gaonkar, M.C.A., *Lecturer*, Computer Science
Manisha Sajane, B.E., *Lecturer*, Computer Science
Rajashree Joshi, B.E., *Lecturer*, Computer Science
Anita Raikar, M.Sc., *Lecturer*, Computer Science
A. B. Fernandes, *Lecturer*, Computer Science
Lucas Miranda, M.Phil., *Sr. Lecturer*, Maths
Varada A. Kalas, M.Phil., *Lecturer*, Maths
Dilecta D'Costa, M.Sc., *Sr. Lect.*, Microbiology
M.F. Albuquerque, M.Sc., *Lect*, Microbiology
Jaison Joseph, M.Sc., *Sr. Lecturer*, Physics
P.V. Chodankar, M.Sc., *Sr. Lecturer*, Physics
Fatima D'Souza, M.Com., *Sr. Lect*, Commerce
S. V. Sukhthankar, M.Com., *Sr. Led.*, Commerce
Nilesh Borde, M.Com., *Lecturer*, Commerce
T. S. Dey, M.P.Ed, *Sr. Lecturer*, Dir. of Phy.Edn.

4.15.2 Highlights of the Research Activities:

P. K. Rath, Research Project on "Regional Development & Planning" and research papers on Regional Development and Population Dynamics.

4.15.5 Seminars/Conferences/Workshops etc.

(b) (i) Attended : Seminar/Conference : (Teacher, Theme of conference, Place, Date, Title of paper).

P.K.Rath, National Geographer India, Dharwad, 22nd to 24th Dec., Demographic Aspects of Goa.

S.M. Gurav, 66th Annual meeting, Indian Academy of Science, Kala Academy, Panaji, Goa.

Mahesh Pai, Terminal Illness & Death & Dying , South Indian Aids Action Programme, Marina Albuquerque, 41st Assen of Microbiologists of India, Microbiotech, "2000", Jaipur. Bangalore, 1st to 4th Oct. 2000.

Usha Bhende, Annual Conference of the Indian History Congress, Calcutta, Jan. 2001.

Christina De Souza, Globalisation and Small Scale Industries, Govt. College Pernem, 2nd March 2001.

Christina De Souza and Mahesh Pai, Human Rights, Dhempe College Miramar, 1st March 2001.

4.15.6 Publications': (a) Research Articles: Name of Teacher and Bibliographical Details: (Name, Title, Journal, Volume, Month/Year)

S. M. Gurav, Electronic and catalytic studies on CO₂, CU₂MN₂O₄ for co oxidation, American Journal of Material Sciences USA, 35(18)2000, Dec. 2000.

P.K.Rath, two articles for Goa Geographus for the 2001 issue,

4.15.10 Any other information:

Jennifer Almeida, i) Refresher course, Analysis of Soaps, Academic Staff College, Goa University, 31st Oct. to 20th Nov. 2000. ii) 66th Annual meeting, Indian Academy of Science, Kala Academy.

Mahesh Pai, Refresher Course in Psychology, Dept. of Applied Psychology and Gandhian Studies, University of Mumbai, 20th Nov. to 12th Dec. 2000, refresher course in *International Relations*, Dept. of Defence Studies & Strategic Services, University of Pune, 30th March to 26th April

Christina De Souza, Refresher Course in Economics, A S C, Goa University, 1st to 21st Dec. 2000.

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. S. Mendes, M.A., L.L.B., *Vice Princ.* History
R. George Amballoor, M.Phil., *Led.*, Economics
E. J. Henriques, M.A., *Lecturer*, Economics
Remy Dias, M.A., *Lecturer*, History
S.N. Patil, M.A., *Lecturer*, Geography
Rufma Borges, M.A., *Lecturer*, Geography
Cleopha Agnes Lobo, M.A., *Lecturer*, Geography
P.S. Deepa, M.A., *Lecturer*, English
Vidya R. Dalvi, [M.Com.](#), *Lecturer*, Commerce
S. N. Shahapurkar, [M.Com.](#), *Lecturer*, Commerce
A. Sathish B., M.Phil., *Lecturer*, Accountancy
Purva Hegde Dessai, C.A., *Lecturer*, Accountancy
P. A. Patil, [M.Com.](#), *Lecturer*, Accountancy
Asha A. Mangutkar, M.A., *Lecturer*, Marathi
Ashok D. Mangutkar, M.A., *Lecturer*, Marathi
Bharati K. Parab, M.Phil., *Lecturer*, Hindi
Brijpal Singh Galloth, Ph.D., *Lecturer*, Hindi
S.P. Salgaonkar, M.A., *Lecturer*, Political Science
C. Fernandes, M.A., L.L.B., *Lect.*, Political Sc.
Bernadette Gomes, Ph.D., *Lecturer*, Sociology
Reyna Sequeira, M.A., *Lecturer*, Sociology
Miguel A.B.P.C. Martins, M.Sc., *Lecturer*, Maths
Elrlich D. Barreto, M.Sc., *Lecturer*, Maths
Rajay R. Pawar, M.A., *Lecturer*, Konkani
Shirish D. Kamat, M.Sc., *Lecturer*, Physics
Narayan V. Bandodkar, M.Sc., *Lect.*, Physics
Mehtab Jahan Bulchari, M.Sc., *Lecturer*, Botany
C. Quadros E Coutinho, M.Sc., *Lecturer*, Botany
Jovita Vina D'Costa, Ph.D., *Lecturer*, Botany
Annie E. D'Souza, M.Sc., *Lecturer*, Botany
Rajender Rao Kulkarni, Ph.D., *Lecturer*, Zoology
Sheena Jolly, M.Sc., *Lecturer*, Zoology
Juliana Silveira, M.Sc., *Lecturer*, Zoology
Rita N. Sharma, M.Phil., *Lecturer*, Zoology
Beena K. Vernekar, M.Sc., *Lecturer*, Chemistry
M. J. Menezes, M.Sc., *Lecturer*, Chemistry
Olivia E. Pinto, B.E., *Lecturer*, Compu. Science
Onkar Ainapur, M.Sc., *Lect.*, Computer Science
F. A. Rodrigues, B.E., *Lect.*, Computer Science
L. M. Ismalia Da Costa, *Lect.* M.C.A., Comp.Sc.
R. Mathew, M.P.Ed, *Director*, Physical Edn.
S. B. Dessai, M.A., B.Lib. & Inf. Sc., *Librarian*

4.16.5 Seminars/Conferences/Workshops etc.

(b) (ii) Attended: Workshops (Teacher, Theme of workshop, Place, Dates, Title of paper).

Asha Mangutkar, Strimukti vastav ani visharyas, Pragatik Sahitya Sammellan, June 2001.

Bharati Parab & P.S. Deepa, Training programme for N.S.S. programme officers, Rajiv Gandhi National Institute for Youth Development, Sriperimbudur, Chennai 6th Aug- 10th Aug. 2001.

Purva Hegde Dessai 1) Management Development Programme, Nirma Institute of Management, Ahmedabad, Gujarat, 17th- 19th August, Complaint Handling as Marketing Strategy. 2)V National Case writing workshop, Prestige Institute of Management & Research, 23rd -25th Nov. at Indore,

4.16.6 Publications : (a) Research Articles: Name of Teacher and Bibliographical Details: (Name, Title, Journal, Volume, Month/Year).

Asha Mangutkar, *Praktan*- Criticism on short stories of Anjali Amonkar, Maitra,2000; *Sant tukaramache Charitra*, by P.M. Load, Maitra, 2001.

Ashok Mangutkar, Gomantakiya Marathi Vangmayacha Sanvasrutik Itihasachi Sadhane, *Paul khuna*- Rekha Mirajkar, Maitra-2001.

Beena Vernekar (co-author), Ligational behaviour of tetrathiometalates(Ms_4)₂ (M=Mo,W) ligands towards Ni (II) in the presence of aliphatic diamines, Proceedings of Indian Acad, Sciences (Chem. Sc.),2000; Synthesis & X-Ray structure characterisation of Ethylenediammonium tetrathiomolybdate, Indian Journal of Chemistry, June 2001.

Purva Hegde (co-author), The Dilemma of Diversification, Monograph - Cases in Management an Indian Perspective, May 2001.

4.16.8 (b) Ph.D. degree conferred during the year: (Name of candidate, Subject, Title of the thesis).

Brijpal Singh Galloth, Ph.D. in Hindi, Goa University, 27th Nov. 2000.

Jovita Vina D'Costa, Ph.D.(Science) in Botany, Mumbai University, 5th Oct. 2000.

Seema Salgaonkar, Ph.D. in Political Science, Goa University, 22nd June 2000.

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

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

Sarnrudhi Bale, 1st rank, T.Y.B.Com.,April 2001, Goa University.

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

Physical Fitness Programme was organised.

Fifteen days Judo coaching camp was organised for both men and women.

Winners at the Goa University Cross- country championship (women).

Winners at the Goa University Body-Building championship (men).
 Runners up at the Goa University Judo championship (Men).
 Sachin Naik was declared the strongest man of Goa University for r^d successive year.
 Savio Viegas was declared as a SRI of Goa University.
 Nilesh Shetkar was Runners-up for SRI of Goa University.

4.17 ROSARY COLLEGE OF COMMERCE & ARTS, NAVELIM

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

Newman Fernandes, M.A., L.L.B., <i>Princ.</i> Psycho.	Juao Costa, <u>M.Com.</u> , Lect., Com.&Account.
S.Falleiro, M.A., <i>Vice-Principal</i> , Economics	C. D'Souza, <u>M.Com.</u> , Lect., Commerce
N. Mazumdar, M.Phil., <i>Sr. Lecturer</i> , Mathematics	Audrey Fernandes, M.A. Lect., English
A. Rodrigues, M.A., <i>Sr. Lecturer</i> , English	J.M. Alfonso, <u>M.Com.</u> , <i>Led.</i> , Commerce
S. Fernandes, M.A., <i>Sr. Lea.</i> , Geography	Fernandes, MCA., <i>Lect.</i> , Comp. Awareness
F. Rodrigues, <u>M.Com.</u> , <i>Sr. Lect.</i> , Commerce.	E. Almeida, M.A., <i>Lecturer</i> , Psychology
B.Gaonkar, M.A., <i>Sr. Lecturer</i> , Konkani	M. L. Dias, M.Lib., <i>Librarian</i> , Library
Francis Lobo, M.P.Ed., <i>Lecturer</i> , Physical Ed.	Tolentina, B.Sc., LLB, <i>Lecturer</i> , Business Law
R. Fernandes, <u>M.Com.</u> , C.A., <i>Lecturer</i> , Commerce	M. Kamat, M.A., <i>Lecturer</i> , Konkani
Afonso Botelho, M.A., <i>Lect.</i> , Sociology	Freda Cota, M.A., <i>Lecturer</i> , Psychology
Priya Carvalho, M.A., <i>Lecturer</i> , English	Jenet Borges, M.A., <i>Lecturer</i> , Hindi
T. Marchon, M.A., <i>Lecturer</i> , Psychology	A. Sakhawalkar, M.C.A., <i>Lect.</i> , Comp. Science
Rita Braganza, M.A., <i>Lecturer</i> , History	Jyoti Ghadi, <u>M.Com.</u> , <i>Lect.</i> , Corn. & Accountancy
Helic Barretto, <u>M.Com.</u> , Lecturer, Commerce	Rovina Ferrao, M.A., <i>Lecturer</i> , Economics
Sonia F. Vaz, M.A., <i>Lecturer</i> , Economics	<i>Sulaksha Prabhudessai, M.B.A., Lect., Managt</i>
J. Barreto, <u>M.Com.</u> , <i>Lea.</i> , Corn & Accountancy	Sophia Evangeline, M.C.A., <i>Lect.</i> , Comp.Sciece.
Alison Dias, M.A., <i>Lecturer</i> , History	

4.17.2 Highlights of the Research Activities:

Bhalchandra Gaonkar completed a research project on "The language and direction of Goan folklore".
 Helic Barretto, completed a research project on "Depository: A system in the Indian context."

4.17.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (Title/Theme, Dates, Funding agency, Name of department).

Value Education programme for College Students, 22^d & 23^d March, 2000, Rosary College, Value Education Cell.

Water resource management in Goa, 28th & 29th Nov., AIACHE & Rosary College, Environment Cell.

Human Sexuality, 11th & 12th Dec. 2000, Rosary College, Women's Cell.

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

Newman Fernandes, Institute of Tourism & Hotel Mngt., Bundelkhand University, Jhansi, Uttar Pradesh 6th to 8th Nov. 00, "Beach Tourism in Goa"

Filipe Rodrigues e Melo, Institute of Tourism & Bundelkhand University, Jhansi, Uttar Pradesh 6th to 8th Nov. 00, "Growth Analysis of Tourist arrivals and its Impact in Goa."

Newman Fernandes, India Social Institute, New Delhi, New Delhi, 26th to 28th March 01, "Community Colleges in Goa, Gujrat & Maharashtra."

(a) (ii) Attended Workshops: (Name of Teacher, Theme of workshop, Place, Date, Title of paper).

Newman Fernandes, Challenges in Higher Education, Mt. Abu, Rajasthan, 7th & 8th Jan., 2001

N. Fernandes, Indian Higher Education in the 21 Century, NBCLC, Bangalore, 14th -16th May 2001.

F. Rodrigues e MeLo, Indian Higher Education in the 21st Century NBCLC, Bangalore, 14th-16th May 2001.

Juao C. Costa, Orientation programme for NSS Officers, Ahmadnagar, Maharashtra, 9th- 18th Oct. 2001.

John M. Alfonso, Value Education, NBCLC, Bangalore, 2nd to 8th May 2001 ;Workshop [to write resource material for Value Education, Kristu Jyoti College, Bangalore, 24.h to 31st May 2001.

Tanya Marchon & Eulalia Almeida, Role of teacher organisations in the elimination of child labour, Ahmedabad, Gujrat, 28th to 30th Nov. 2000.

Priya Carvalho e Viegas, Photography, Vishwadeep, Bangalore, 1st to 5th May 2001.

Charmaine D'Souza, Photography, Vishwadeep, Bangalore, 1st to 5th May 2001.

Neeta Mazumdar, Empowerment of Women, Kristu Jyoti College, Bangalore, 17⁶ to 22ⁿ May 2001.

4.17.9 Achievements (Rank/Merits in the University examinations / Sports Activities)

(a) Academic: (Name of students, Achievement, (i.e. Ranks etc), Examination).

Paloma Fernandes, 2ⁿ Rank, Goa University, TYBCA

Nazino Cardozo, 3ⁿ Rank, Goa University, TYBCA

Rajani D'Souza, Highest Marks, TYBA in the subject Economics paper V.

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

Runners cup at the Tennikoit Intercollegiate Tournament org. by Goa University.

Socorrina Fernandes, Gold Medal in Judo Intercollegiate Competition.

4.18 SARASWAT VIDYALAYA'S COLLEGE OF COMMERCE & MANAGEMENT STUDIES, MAPUSA

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

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

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

Sukhaji Naik, [M.Com.](#), *Lecturer*, Accountancy

Pragati Bhonsle, [M.Com.](#), *Lecturer*, Accountancy

Satyajit Hirve, [M.Com.](#), *Lecturer*, Accountancy

Divakar Joshi, I.C.A., *Lecturer*, Accountancy

Santosh Patkar, M.Phil., *Lecturer*, Commerce

Shetty Prajna, [M.Com.](#), *Lecturer*, Commerce

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

Sterol Godinho, [M.Com.](#), *Lecturer*, Management

Sajo V. Gawas, L.L.M., *Lecturer*, Law.

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

Devi, P.S., M.A., *Lecturer*, Economics

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

Ira Bhattacharya, M.Phil., *Lecturer*, English

Smruti Borkar, B.E., *Lecturer*, Compu. Science.

Chari Sushant, M.Sc., *Lecturer*, Comp. Science

P. Tamhankar, M.Sc., *Lecturer*, Maths. & Stat.

Kalekar Udesh, M. Sc., *Lecturer*, Geography

4.18.5 Seminars/Conferences/Workshops, etc.

(b) (i) Attended: Seminars/Conferences: (Teacher, Theme of conference, Place, Date, Title of paper).

Santosh Patkar, School of Economics, Andhra University, Vishakhapatnam (at 14th National Conference, on Agricultural Marketing), Vishakhapatnam, 3rd to 5th Feb. 2001, Regulated Marketing Network for Farm Produces in Goa : An Analysis.

(b) (ii) Attended : Workshop: (Name of teacher, Theme of workshop, Place , Date, Title of paper).

Ira Bhattacharya, 1). 21st Century Love v/s Aids a UNESCO, Green Ray Project, Green Ray Foundation,

22nd July'00. 2). Implications of the new syllabus & the changes in the examination pattern,

Association of English Teachers (LILA), 29th Sept. '00.

Shoblia Karekar, Library Public Relations: Challenges of the New Millenium, Goa Library Association & Goa University Library, 9th & 12th Aug. '00.

4.18.6 Publications: a) Research Articles : Name of the teacher & bibliographical detail (Name, *Title*, Journal, Volume, Month/Year).

Santosh Patkar, *Regulated Marketing Network for Farm Produces in Goa: An Analysis*, Indian Journal Of Agriculture Marketing, Vol.14 Sept./Dec.2000.

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

(b) Sports: (Name of students/Team, achievement, (Medal/Place etc.), Sports (Team or Individual).

Individual Performance 2000-01 (Nationals)

Shekhar Kerkar represented Goa University Football Team

Pradeep Chopdekar represented Goa University Football Team

Jyoti Chodankar represented Goa team in Kabaddi.

Marcelina Coelho represented Goa team in Kabaddi.

Ravindra Chodankar represented Goa team in Kabaddi.

Philip Coelho represented Goa team in Kabaddi.

Jagannath Ghatwal represented Goa team in Kabaddi.

Vinayak Sawal Desai represented Goa team in Kabaddi.

Kailash Gaonkar Iron man of Goa University in Weightlifting Competition
Swapnil Dharwadkar represented Goa in Badminton
Pankaj Naik represented Goa in Badminton
Nichole Lobo- Judo
Jaya Kankanwadi — Judo
Pratima Puranik — Cricket

Individual Performance 2000-01 (Goa University):

Marcelina Coelho, Gold Medal in 4x100, 4x400 relay, Bronze in 400 mts.
Jyoti Chodankar, Silver in Long Jump, 4x100-relay-gold 4x400-relay-gold.
Dramila Fernandes, Silver in Cross Country, 4x100-relay, 4x400-relay-gold.
Shailesh Chodankar, Gold Medal in Triple Jump, Silver in Long Jump, Bronze in 100 mts.
Sushila Gaonkar, 4x400-relay, Gold medal.
Emmanuel D'Costa, Gold in High jump, Decathlon, Javelin throw
Jagdish Gaonkar, Gold in 400 mts. Relay
Kailash Gaonkar, Bronze in Pole vault
Shailendra Gaonkar, silver in Pole vault
Roshan Kumar Gurav, Bronze in Javelin
Mario Miranda, 1500, 5000, 800, silver
Felix D'souza, Gold in 400 mts.

Intercollegiate Badminton Championship (Men), Football Championship (Men), Overall Championship in Athletics, Runner's up in Cross Country, Athletics and Judo (Women).

4.18.9 Any other Information:

Students won the 1st place in the Intercollegiate Sports & Cultural festival held at Pilar (Fr. Agnel College) & at the Intercollegiate Competitions held at Quepem (Govt. College) wherein students excelled in various competitions (elocution, skit, gazal, singing, instrumental, jugal-bandhi, folk-dance, western dance, rangoli).

Vinda Fugro won the merit certificate for enacting the role of Jogtin in the One Act Play competition held by Kala Academy. The play was titled " Ek Kali Pisdooon Geli"

Organised the Konkani Yuva Sahitya Sammelan on 9th & 10th December'00.

Smruti Borkar & Prof. Sterol Godinho have participated in the Bardez Taluka Women Sports Festival from 23rd to 25th Feb.'01.

Prof. Santosh Patkar also participated in the Konkani Yuva Mahotsav on 13th & 14th Jan.'01 at Nagueshi.

4.19 FR. AGNEL COLLEGE OF ARTS AND COMMERCE, FILAR

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

Bibial G. Dias, Ph.D., <i>Principal</i> , Political Science	Biula Pereira, M.A., <i>Lecturer</i> ; Sociology
Angela Dias, M.A., <i>Lecturer</i> , Political Science	Fr. F. Rodrigues, M.A., <i>Lecturer</i> , Sociology
M. D'Souza, M.B.A., M.Phil., <i>Lect</i> , Economics	Soraya Sa e Rebello, M.A., <i>Lecturer</i> , History
Roy Gomes, M.A., <i>Lecturer</i> , Economics	Esmeralda Mendes, M.A., <i>Lecturer</i> , History
Mini Gangadharan, M.A., <i>Lecturer</i> , Economics	Rajashree Sail, M.A., <i>Lecturer</i> Konkani
Annie Shakoor, M.A., <i>Lecturer</i> , English	Nityanand Naik, M. A., <i>Lecturer</i> , Konkani
Fr. Allan Noronha, M.A., <i>Lecturer</i> , English	Santosh Chyari, M.A., <i>Lecturer</i> , Hindi
Hazel Colaco, <u>M.Com.</u> , <i>Lecturer</i> , Commerce	Loren Diniz, M.Sc., <i>Lecturer</i> , Maths & Computer
Reji George, <u>M.Com.</u> , <i>Lecturer</i> , Commerce	A. Dias, M.P.Ed., <i>Director</i> , Physical Edn.
Anthony Rodrigues, M. Corn., <i>Lea</i> , Commerce	Vinoj Daniel, LL.M., <i>Lecturer</i> , Business Law
Anthony D'souza, M. Corn., <i>Lecturer</i> , Commerce	

4.19.5 Seminars/Conferences/Workshops, etc.

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

Bibial G. Dias, Xavier Board of Higher Education in India, NBCLC, Bangalore, 13th to 16th May 2001.

4.19.9 Achievements: (Ranks/Merrits in the University examinations/Sports activities).

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

Volley Ball tournament(M), 1st place, Goa University

Cross Country Competition(W), 4th place.
 Lloyd Godinho, Power Lifting, 3^d place
 Sanjay Shirodkar represented Valley Ball team at a National & University level
 Winchester Rodriguese, Ryan D'Souza ,Valente Rodriguese represented Goa University Team for Football, qualified at India Level.
 Ryan D'Souza represented Goa for the football at the National level
 Lydia Vales represented Goa at the National & University level in Football Tournament. Jovina , Gold Medal, Budokan State Karate Tournament.
 Tukaram, Silver Medal, Budokan State Karate tournament

4.19.10 Any other Information:

(c) Any other special achievement by student:

Classical Instrumentation, Youth Festival, Goa University, 1st place
 Indian group song competition, Youth festival, Goa University, 3^d place.
 Konkani Skit, Youth festival, Goa University, 1st place.
 Konkani Skit, Org., by Govt. college of Arts & Sc. Pernem, 1st place.
 Inter Collegiate Sports & Cultural festival, Org. by Fr. Agnel college of Arts & Com., Pilar, 2nd place.

4.20 SHREE MALLIKARJUN COLLEGE OF ARTS as COMMERCE, CANACONA

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

G.S. Badiger, Ph.D., <i>Principal</i> , Geography	Rupa Chari, M.A., <i>Lecturer</i> , Hindi
F. M. Nadaf, M.A., <i>Lecturer</i> , Geography	Puranand Chari, M.A., <i>Lecturer</i> , Konkani
C.P. Hiremath, Ph.D., <i>Lecturer</i> , Geography	Nityanand Naik, M.A., <i>Lecturer</i> , Konkani
Jagmohan Singh, M. A., <i>Lecturer</i> , Economics	Domital D'Souza, M.A., <i>Lecturer</i> , History
Geeta Walwekar, M.A., <i>Lecturer</i> , Economics	Amit Mashelkar, M.A., <i>Lecturer</i> , History
V.R. Pawaskar, M.A., <i>Lecturer</i> , English	Sushama Salokhe, M.A., <i>Lecturer</i> , Marathi
Tanuja Fal Desai, M.Sc., <i>Lecturer</i> , Maths	Pramada Desai, M.A., <i>Lecturer</i> , Marathi
Kshama Desai, M.Com. , <i>Lecturer</i> , Commerce	Arvind Haldankar, M.A., <i>Lecturer</i> , Sociology
Sandesh Sawant, M.Com. , <i>Lecturer</i> , Commerce	Savio Leitao, M.P.Ed., <i>Director</i> , P.E., Sports
Sucheta Naik, M.Phil., <i>Lecturer</i> , Commerce	Sandeep Desai, M.A. LL.B., <i>Lect.</i> , Business Law
Rakhi Mhalshi, M.Phil., <i>Lecturer</i> , Hindi	

4.20.5 Seminars/Conferences/workshops, etc.

(b) (i) Attended: Seminars/Conferences: (Teacher, Theme of conference, Place, Date, Title of paper).

F. M. Nadaf & G. S. Badigar, NAGI, Dharwad, 22nd & 24th Dec. 2000, Occupational

(b) (ii) Attended: Workshops: (Teacher, Theme of Workshop, Place, Date, Title of paper).

G. S. Badigar, All India college Principals Conference, Organised by AICP, Mt. Abu, Rajasthan.
 Jagmohan Singh, Executive Programme for the college Principals, Goa University, Taleigao.

4.20.6 Publications: (a) Research Articles: Name of teacher and bibliographical details: (Name, *Title*, Journal, Volume, Month/Year).

Purnanand Chari, *Chingar, Collection of poetry, Goa Konkani Academy, Mapusa, August 2000.*

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

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

Kabaddi Team (men) won University Champion for 2000-2001.

4.20.10 Any other Information:

(a) Awards/Honours conferred:

G. S. Badigar, 'Bharat Jyoti' by India International Friendship Society, New Delhi, 30th May 2001.

Purnanand G Chari, President, Bird All Goa Konkani Youth Literary Conference, Goa.

4.21 GOVERNMENT COLLEGE OF ARTS as COMMERCE, PERNEM

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

M. M. Sangodkar, Ph.D., <i>Principal</i>	N. D. J. De Abreu, M.A., <i>Lect.</i> , Economics
Oscar C.N. de Noronha, M.A., <i>Lecturer</i> , English	B. K. Haravi, M.A., <i>Lecturer</i> , Geography
G. A. Hegde, <u>M.Com.</u> , <i>Lecturer</i> , Commerce	Ishani Roy, M.Phil., <i>Lecturer</i> , Geography
G. V. Madiwal, <u>M.Com.</u> , <i>Lecturer</i> , Commerce	Amrita A. Dingo, M.A., <i>Lecturer</i> , Hindi
N.M. Gawas, <u>M.Com.</u> , <i>Lecturer</i> , Commerce	Neeta R. Tome, M.A., <i>Lecturer</i> , Marathi
Xavier M Martin, Ph.D., <i>Lecturer</i> , History	Satish N. Sanvol, M.A., <i>Lecturer</i> , Economics
Soniya R. Sirsat, M.A., <i>Lecturer</i> , Hindi	S. L. Patil, M.P.Ed., <i>Dir.</i> of Physical Edn.

4.21.2 Seminars/Conferences/ Workshops etc.

(a) Organised : (Title/ Theme, Dates, Funding agency, Name of department).

Spatial Distribution of Resources in Goa, 22nd Nov. 2000, Dept. of Geography.

Globalisation & Small Scale Industries- with special reference to Goa, 2nd March 2001, Dept. of Economics.

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

Amrita Dingo, All India Conference, Hindi Sahitya Sammelan Prayag, Goa University, 17th to 19th March, 2001 and 3rd All India Conference, Dakshin Bharat Hindi Parishad & Dakshin Bharat Hindi Prachar Sabha, Goa University, 14th & 15th Oct. 2000.

4.21.8 (b) Ph.D. Degree conferred during the Year : (Name of the Candidate, Subject, Title of the Thesis).

G. A. Hegde, awarded Ph.D. in Commerce, "Problems and Prospects of Areca Marketing in the Uttar Kannada District of Karnataka State, The Yeshvant Rao Chavan Open University Nashik- Maharashtra.

4.21.9 Any other Information:

(c) Any other Special Achievement by Student/Staff:

Soniya Sirsat, N.S.S. Programme Officer selected by Sports & Youth Affairs, Panaji to lead Goa & Maharashtra N.S.S. Contingents for the Republic Day Parade Camp, New Delhi, 1st to 31st Jan. 2001.

4.22 NARAYAN ZANTYE COLLEGE OF COMMERCE, SICHOLIM

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

A. Sakhardande, <u>M.Com.</u> , LL.B., <i>Principal</i> , Commerce & Bus. Management	Nayana Sail, <u>M.Com.</u> , <i>Lecturer</i> , Accounts
R. Amonkar, <u>M.Com.</u> , <i>Lecturer</i> , Commerce	P. Sawant, <u>M.Com.</u> , <i>Lecturer</i> , Accounts
Sanlcaranarayanan K.G., Ph. D., <i>Lecturer</i> , Corn.	Bipin Bandekar, <u>M.Com.</u> , <i>Lecturer</i> , Accounts
R. Kumbharjuvenkar, <u>M.Com.</u> , <i>Lecturer</i> , Corn.	Chaaya Shetye, <u>M.Com.</u> , <i>Lecturer</i> , Accounts
Ramchandra Surlekar, M.M.S., <i>Lecturer</i> , Corn.	Nandini Kamat, M.Sc., <i>Lecturer</i> , Mathematics
Chanda Shetye, <u>M.Com.</u> , <i>Lecturer</i> , Corn.	J. Adhikari, M.C.A., <i>Lecturer</i> , Computer Science
S. Paticar, M.A., <i>Lecturer</i> , Business Economics	Dhaktu Pal, LL.M., <i>Lecturer</i> , Business Law.
Sherin Sheikh, M.A., <i>Lecturer</i> , English	S. Harmalkar, M.P.Ed., <i>Sports Director</i> , Sports
	Sudhir Halvegar, M.Lib., <i>Librarian</i> , Library

4.22.5 Seminars/Conferences/Workshops, etc.

(b) (i) Attended: Seminars/Conference- (Teacher, Theme of conference, Place, Date, Title of paper).

Sherin Sheikh, Comparative Literature Association of India and Centre for Comparative Literature, University of Kerala, Kerala, 8th June to 10th January 2000, Religion & Muslims in Indian Novels.

4.22.8 (b) Ph.D. Degree conferred during the year (Name of the Candidate, Subject, Title of the thesis). Shanlcaranarayanan K.G., Commerce-Faculty of Commerce & Management Studies, A Study on the Voluntary Retirement Scheme in Kerala (A Comparative Study of Public and Private Sector undertakings).

4.22.9 Achievements: (Ranks/Merits in the University examinations/Sports activities).

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

Salim Sheich, Silver Medal, Weight Lifting, Org. by Goa University.

Tushar Lotlikar, Silver Medal, Triple Jump, Org. by Goa University.

Shradha Gawas, Silver Medal, Judo Competition, Org. by Goa University.

Admissions for the non-professional courses during the 2000-2001													
	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	122	105	115	65	84	77				61	64	80	773
2.CHOW	98	90	117	230	144	132				28			839
3.XAVI	202	162	173	183	151	136	210	171	156				1544
4.DEMP							325	228	252				805
5.CARM	103	79	88	47	74	28	80	65	64				628
6.MESC	93	89	102				250	201	216				951
7.DAMO (BCA)							288	257	232	27	27	24	855
							82	57	33				172
8.BAND	37	44	32	71	43	42	315	249	284	20			1137
9.GVMC							258	210	260				728
10.PESC	99	95	130	142	84	112							662
11.INSM				Sem. I	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI				
				43	35	--	08	34	17				138
12.CESC													
13.GSAN	72	56	58	93	74	59	102	86	71				671
14.GHOM				50	34	34							118
15.GKHA	26	15	18	39	34	43	77	39	38				329
16.GQUE	69	41	54	41	46	46	122	99	81				599
17.ROSA (BCA)	79	61	51	-	-	-	236	125	96	31	30		709
							77	63	26				166
18.SARA							159	126	110	19			414
19.AGNE	36	41	26				149	77	75				404
20.MALL	32	41	52				41	34	33				233
21.GPER	18	27	29				48	29	35				186
22.ZANT							107	99	95	20			321
Total	10861	946	1045	10041	803	1709	29341	2249	2174	2061	1211	1104	13381

(b) PROFESSIONAL COLLEGES

4.23 GOA COLLEGE OF PHARMACY, PANAJI

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

R. V. Gaitonde, Ph.D., Principai, Pharmacognosy	R. H.S. Godinho, M.Pharm., <i>Lea.</i> , Pharmacology
M.P. Bhohe, M.Pharm., <i>Lecturer</i> , Pharmacognosy	R. V. Keny, M.Pharm., <i>Asst. Prof.</i> Pharmaceutics
M. G. Pai, M.Pharm., <i>Asst. Prof.</i> Pharm. Chem.	P. S. Gude, M. Pharm., <i>Lecturer</i> . Pharmaceutics
L. Almeida, M. Pharm., <i>Asst. Prof.</i> Pharm. Chem,	R.J. Bhide, M. Pharm., <i>Lecturer</i> , Pharmaceutics
S. S. Amonkar, M.Pharm., <i>Sr.Lect.</i> , Pharma.Chem.	Y. K. Shirodkar, 'M.Pharm., <i>lect.</i> Pharmaceutics.
A. Menezes, M.Pharm., <i>Sr.Lecturer., Pharm.Chem.</i>	L. Sardesai, M.Sc., <i>Lecturer</i> , Pharm. Chemistry
T. V. Walke, M.Pharm., <i>Lecturer</i> , Pharm. Chem.	A. P. Silveira, M.Sc., <i>Lecturer</i> , Pharm. Chemistry
D.M.Shingal, M.Phann., <i>Astt.Prof</i> Pharm.Analysis	Betigeri, BCS., <i>Lecturer</i> , Computer Science .
	P. Joshi, M.Pharm., <i>Lecturer</i> , Pharmacology

4.23.2 Highlights of the Research Activities:

R. V. Gaitonde, R. V. Kenny, M. G. Pal and D. M. Shingbal guided the students for M. Pharm. Course in Quality Assurance by papers and by research.

4.23.5 Seminars/Conferences/Workshops, etc.

(a) Organised : (Title/Theme, Dates, Funding agencies, Name of dept).

Global Scenario of Pharmaceutical Technology in New Melinium, 17th to 30th Nov. 2001, ISTE Delhi, Goa College of Pharmacy, Panaji.

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

R. Shirodkar, Hyderabad, 1st to 3rd Dec. 2000, A simple validated Spectrophotometric method for the estimation of Termetazidine Dihydrochloride.

D. M. Shingbal, Hyderabad, 1st to 3rd Dec. 2000, Development and validation of spectrophotometric method of analysis for Sertraline Hydrochloride.

(ii) Attended Workshops: (Teacher, Theme of Workshop, Place, Date, Title of paper).

M. H. S. Godinho, Teaching Evaluation and carrier Development, Manipal, 9th to 30th Sept. 2000.

M. P. Bhohe, Teaching evaluation and carrier Development, Manipal, 9th to 30th Sept. 2000.

R. S. Gude, Teaching evaluation and carrier Development, Manipal, Vito 30th Sept. 2000.

P. J. Bhide, Advanced Drug Delivery System, Warangal, 9th to 21st Oct. 2000 & Analytical Instrumentation in Pharmaceutical Sciences, Ahmedabad, 2nd to 7th July 2000.

R. K. Shirodkar, Basic maintenance skill *in* handling computer, Panaji, 4th to 8th June 2000; Advanced Drug Delivery System, Warangal, 9th to 21st Oct. 2000; Analytical Instrumentation in Pharmaceutical Sciences, Ahmedabad, 2nd to 7th July 2000.

L. Silveira, Workshop on Radiopharmaceutical and Radio inununoassays, Panaji; Basic maintenance skill in handling computers, Panaji, 4th to 8th June 2000; Innovation in Pharmaceutical Technology, Belgaum, 19th Feb. to 3rd March 2000.

T. Wallce, Innovation in Pharmaceutical Technology, Belgaum, 19th Feb. to 3rd March 2000.

4.24 COLLEGE OF ENGINEERING, FARMAGUDI

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

DEPARTMENT OF CIVIL ENGINEERING DEPT. OF ELECTRICAL ENGINEERING

S. B. Sheldarkar, M.Tech., *Asstt. Professor*

P. D. Pai, M.E., *Asstt. Professor*

C. S. Gokhale, Ph.D., *Asstt. Professor*

K. G. Guptha, M.E., *Assn. Professor*

A. K. S. Bhaduria, B.E., *Asstt. Professor*

S. Mesquita, Ph.D., *Professor*

S. N. Betagiri, B.Tech., *Lecturer* Jaimol

Thomas, M.Tech., *Assit. Professor* V.K.

Joseph, M.E., *Asstt. Professor* Subhash P.

Borkar, M.E.; *Asstt. Professor*

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

Chanda Pathak, M. E., *Lecturer*

G. Kuncolienkar, M.E., *Lecturer*

T. Krishnakumari, B.Tech., *Lecturer*

Ujwala Phadke, M.Sc., *Lecturer*
Wilma Fernandes, B.E., *Lecturer*
H. S. Prasarma Kumar, M.E., *Lecturer*
Nisha Amonkar, M.E., *Lecturer*
Vikas Chodankar, M.Tech., *Lecturer*
Shand Balasubramaniam, M.E., *Lecturer*

DEPARTMENT OF ELECTRONICS 13r, TELECOM. ENGINEERING

R. B. Lohani, Ph.D., *Professor*
P. Raja, M.E., *Asstt. Professor*
M. Tamhane, M. Tech., *Asstt. Professor*
T. V. Colaco, M.Tech., *Lecturer*
A. Chimulkar, M. Tech., *Lecturer*
H. G. Virani, B.E., *Lecturer*

DEPARTMENT OF COMPUTER ENGINEERING

Laxminarayana J.A M.E., *Asstt. Professor*
Umesh Bapat A., B.E., *Lecturer*
Ms. Maruska Mascaranhas, B.E., *Lecturer*
Nilesh Faldessai, B.E., *Lecturer*
Geeta Varkey, B.E., *Lecturer*

4.24.5 Seminar/Conferences/Workshops, etc.

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

Uday Amonkar, Institute of Engg (I), Hotel Majorda, Majorda Goa, 22nd Sept. 2001, Made for Each Other (App. In Mining).

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

Nisha Amonkar, Geosynthetics & Soil Reinforcement, IISC Bangalore.

4.24.6 Publications: (a) Research Articles: Name of teacher and bibliographical details: (Name, Title, Journal, Volume, Month/Year).

Uday J. Arnonkar and Rajesh Prabhu Gaonkar, *An improved Heuristic for Initial solution of Transportation problem*, Industrial Engineering Journal, Vol.XXIX No.9, September 2000.

4.24.10 Any other information.

Rajesh Prabhu Gaonkar, , Post Graduate Diploma in Operation Management, Indira Gandhi National Open University, Dec., 2000.

As a process Champion Under Canada-India Institute Industry Linkage Project Strategic Plan was prepared for implementation at College of Engineering, Goa by A. R. Naik, Professor in Industrial Engineering.

4.25 NIRMALA INSTITUTE OF EDUCATION, PANAJI

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

Rita Paes, Ph.D., *Principal*
Sharmila Francisca Veloso, M.Ed., *Lecturer*
Rhoda Ferrao Almedia, M.Ed., *Lecturer*
Nicholas Francis D'Souza, M.Ed., *Sr. Lecturer*
Kunda Anil Borde, M.Phil., *Sr. Lecturer*
Vida Sequiera, M.Ed., *Lecturer*
Denzil F.M. Martins, M.Ed., *Lecturer*
Suvarna S, Gauns, M.Ed., *Lecturer*
Jude Miranda, M.Ed., *Lecturer*

M. S. Raydu, M.E., *Lecturer*
Sangeeta Mahaddalkar, B.E., *Lecturer*
Airant Naik, 11E., *Lecturer*
Suneeta S. Raikar, B.E., *Lecturer*

DEPARTMENT OF MECHANICAL ENGINEERING

R. L. Shanbhag, Ph.D., *Principal & Head*
A. R. Naik, Ph.D., *Professor*
J.J. Goliwadekar, M.Tech., *Asstt. Professor*
A. D. Telang, M.Tech., *Asstt. Professor*
U. J. Amonkar, M.E., *Asstt. Professor*
V. Marriappan, M.E., *Lecturer*
George Easaw, M.E., *Lecturer*
A. A. Sidiqui, B.Sc., *Lecturer*
Milind Salchardande, ME., *Lecturer*
B. R. Kulkarni, M.E., *Lecturer*
S. B. Balsubramanian, M.E., *Lecturer*
Rajesh P. Gaonkar, M.E., *Lecturer*
B. S. Manohar Shankar, M.E., *Lecturer*

4.25.3 List of Visiting Scholars: (Name of Scholar, Institution, Title of Lecture delivered, Date).

Olinda Pereira, Mangalore, Addressed the faculty and students on the activities of "Vishwas", an organisation with which she is associated.

Sylvia Dickson and Lynn Mills, teachers from Hirst High School, United Kingdom on a teacher Exchange Programme by GONAS (Goa Northumbria Schools Exchange Programme) shared the salient features of their educational programme.

Judith Futers, Head Teacher-Westgate Community College Ashington- United Kingdom, conducted a session on " Behavior Management" for the B.Ed. trainees. She gave a comprehensive overview of how she and her staff worked, to bring about a total change in the academic, co-curricular programmes, attendance, behaviour of their students and how appreciative and supportive the parent-community is of all the projects and endeavours of the management. The school has children from approximate seventeen ethnic groups.

Peter Preston, Director of Education for the Hearing Impaired, Newcastle-United Kingdom, gave a presentation, which focussed on "Visual and hearing impairment in schools".

Bruce G. Friedrich, Environment Education Group Teacher Trainees Institute, "Compassion in the 21" Century : Animals, The Environment and Faith".

Gen.(retd.) Shlomo Gal, Director of Israel Anti-Drug Authority, Jerusalem and Hele Yanly, Director of Jerusalem Anti-Drug Association, enlight tended NGOs and Headmasters of schools along the coastal belt on their efforts in handling drug abuse among youth.

Resource persons from "The Sangath" Centre for Child Development and Family Guidance conducted a workshop for the teacher trainees — " Building self — esteem in children, Personal Development, Stress Management, Decision Making, Self Awareness, Communication Skills and Resolving conflicts."

4.25.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (Title/Theme, Dates, Funding agency, Name of department).

Jude Miranda & Denzil Martins, Conducted computer training programmes for the Management, Staff and Students. Also conducted an Intensive Computer Training Course for the Staff of the Directorate of Education, 16th to 20th April 2001.

Seminar on Education — 2000, for teachers of the Higher secondary Section Org. by Dhempe College of Arts and Science, 1 8th Dec: 2000

(b) (i)Attended: Seminars/Conferences:(Name of teacher, Theme of conference, Place, Date, Title of paper).

Gopal Pradhan, seminar, Perspectives in teacher Education M. S. University, Vadodara, 18 19Dec. 2000.

Sharnnila Veloso, Denzil Martins, Ximena Fonseca, Jude Miranda-The International Conference on Science, Technology and Mathematics Education-CASTME for Human Development, Goa, 20th to 23^d Feb. 2001.

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

Rita Paes, Planning for Tomorrow- Renewing Institutional vision for the Faculty.

Josantony, Director of Human Factor, Mumbai facilitated articulation on renewed commitment to teacher education.

Suvarna Gawas & Vida Sequira, Life skills and Mental Health, Parathasaratty NIMHANS(Bangalore), org. by Department of Extension Services of Nirmala Institute of Education, 15^h and 16^h Feb. 2001.

Vida Sequira, "Careers for Today" for std. IX students, Don Bosco High School, Panaji, 27^h Feb. 2001.

Workshop on Computer Aided Instruction for Teachers at Rosary High School, Dona Paula.

Workshop on "Inquiry Training Model in Science" org. by Department of Extension Services of Nirmala Institute of Education, 30th Nov. 2000.

4.25.6 Publications : (a)Research Articles: Name of teacher and bibliographical details: (Name, Title, Journal, Volume, Month/Year).

S. K. Pradhan, *A Plea for Humanistic Education*, New Frontiers in Education,30,No.4,October- Dec. 2000; *A Humanistic Approach to Teacher Education*, University News, 39,No.11th March 2001.

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

Professionalisation of Teachers through Humanistic Approach Teacher Education, Challenges in School Education in 2000+ (Ed. Volume), C.A.S.E., M. S. University of Baroda, 2000-2001.

4.25.8 (b) Ph.D. degree conferred during the year: (Name of candidate, Subject, Title of the thesis).

Geeta Iyer, Education, A Psychological Study of first Generation Learners.

4.25.10 Any other information :

Vida Sequeira, talk to P.T.A. on the Role of Parents in the formation of their children, org. by St. Anthony's High School, Majorda, 15⁶ Dec. 2000.

Nicholas D'Souza, session on Motivating Teachers for the new year org. by St. Thomas Boys High school, Aldona, 7⁶ June 2001; Lectures on Evaluation at the course conducted by NCERT (Bhopal) and org. by State Institute of Education at Nirmala Institute of Education, June 2000; Session on Self Renewal at Rosary Higher Secondary School, Navelim, 9¹¹ Aug. 2000; Session on Motivating Teachers for the new year at Basilio Andrade Memorial Higher Secondary School, Majorda, Sept. 2000; Orientation courses on Evaluation at the Academic Staff College, Goa University, June 2000 and Feb. 2001.

Denzil Martins, Intensive Computer Training Course for the staff of the Directorate of Education, Govt. of Goa org. by the Nirmala Institute of Education Infotech Centre, Panaji, 16¹¹ to 20th April 2001.

Department of Extension Services org. the following programs:

Follow — up workshop on Oral Communication Skills — test task construction.

Seminars on Innovations in Education

Workshop on teaching of Poetry in schools.

Seminar on Educational practices in Great Britain.

Workshop on Low Cost Teaching Aids for Science Teachers of Std. VIII & IX.

Workshops in teaching Geography for Teachers of Std. VIII to X.

Workshop on Life Skills and Mental Health.

4.26 GOA COLLEGE OF FINE ART, ALTINHO, PANAJI

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

Mahesh Vengurlekar, B.F.A., Applied Art,
Principal (from 27/12/2000)

A.R. Shirodkar, G.D. Art, *In charge Principal*,
(Upto 26/12/2000) Painting

H.R. Kambli, M.F.A., *Lecturer*, Painting

Chodankar, M.F.A., *Lecturer*, Painting

Rajeev Shinde, B.F.A., *Lecturer*, Applied Art

Sabita Prabhudesai, B.F.A., *Lecturer*, Applied Art

Domnic Cordo, B.F.A., *Lecturer*, Applied Art

Maria M. D'Cruz, B.F.A., *Lecturer*, Applied Art

D. Harihar, G. D. Art, *Lecturer*, Painting

S.P. Chendvankar, G.D. Art, *Lecturer*, Painting

A.H. Farooqui, G.D. Art, *Lecturer*, Painting

Rohini Kakode, G.D. Art, *Lecturer*,

Anthony D'Souza, B.F.A., *Lecturer*, Applied Art M.M.

Digambar Singbal, B.F.A. *Lecturer*, Painting

Omprakash Naik, M.F.A., *Lecturer*, Painting

Harsha Mandurkar, M.F.A., *Lecturer*, Painting

Wilfred Goes, B.F.A., *Lecturer*, Applied Art

4.26.5 Seminars/Conferences/Workshops etc.

(a) Organised: (Title/Theme, Date, Funding Agency, Name of Dept).

Anand Mohan Naik, renowned Indian painter and mural Artist has conducted a workshop from 2nd to 8th April 2001 in connection with "Mural Design."

Kashinath Salve, eminent Artist and Dean, J. J. School of Art, Mumbai, has conducted demonstration/Workshop for painting, 18⁶ to 23rd Feb. 2001.

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

(a) Academic: (Name of the student, Achievements, (i.e. Ranks etc), Examinations).

Shenvi Kudchadkar Indu Alias Sweta Satish- 1st Rank, B.F.A., Painting

Kenkare Prasad Jaikrishna-1st Rank, B.F.A., App. Art

4.26.10 Any other Information:

(c) Any other special achievement by students/staff.

S.P. Chendvankar, attended National Painting Camp at Kala Academy Goa, Lalit Kala Academy, New Delhi, from 1st to 10th March 2001.

Mahendra Chodankar, attended Millenium Artist Camp, All India Fine Arts & Crafts Society, New Delhi from 26⁶ to 31st Dec. 2000.

A. H. Farooqui, attended Millenium Artist Camp, All India Fine Arts & Crafts Society, New Delhi from 26th to 31st Dec. 2000.

4.27 V. M. SALGAOCAR COLLEGE OF LAW, MIRAMAR

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

M. Pinheiro, LL.M., *Principal*, Law
M.R.K. Prasad, M.L., *Lecturer*, Law
Carnio D'Souza, Ph.D., *Lecturer*, Law
G. Shaber Ali, M.L., *Lecturer*, Law

Kim Couto, LL.B., *Lecturer*, Law
Kotagiri S. Rao, LL.M., *Lecturer*, Law
G. K. Tamba, LL.B., *Lecturer*, Law

4.27.3 List of visiting scholars: (Name of Scholar, Institution, Title of lecture delivered, Date).

V. B. Coutinho, University Law Collge, Bangalore Human rights and its relevance 12th August 2000.

V. S. Mallar, National Law School, Bangalore, Relevance of Fundamental Rights, 9th Sept. 2000.

N. S. Gopallcrishnan, Cochin University of Sci. & Tech., Intellectual Property of Rights, 6th October 2000.

Justice Ferdin Rebelo, High Court of Bombay, Public Interest Litigation, 23rd November 2000.

4.27.5 Seminars/Conferences/Workshops, etc.

(a) Organized: (Title/Theme, Date, Funding agency, Name of department).

A New Constitution for a New Millennium?, 25th November 2000, Fundacao Oriente, Law.

4.27.6 Publications: (a) Research articles: Name of teacher and bibliographical details: (Name, *Title*, Journal, Volume, Month /Year).

Carmo D'Souza, *The Indian & Portuguese Constitutions: A Comparative Analysis* vol.1, Oct. 2000.

4.27.7 Sponsored Consultancy work undertaken (Name of the Teacher, Nature of consultancy, Name of the sponsorer, Duration of consultancy, Amount)

Legal Aid and Legal Awareness Programme undertaken in 36 poor and remote villages in Goa.

4.27.10 Any other information:

The College carries out research activities under three categories:

State level law seminars: Under this category, the College chooses a topic of concern in the field of law. The topic is divided into various sub 'topics and the students conduct research in the sub topics and present their findings in the form of research papers. At end of the presentation, a panel of experts analyze the various presentations for drawing conclusions.

Moot courts: Topics of interest and various legal current issues are converted into a legal problem in the form of a case and the students are asked to argue on either side by researching into various aspects of the problem.

Legal aid and public interest litigation: The students after identifying issues of social concern investigate in detail the various issues of social injustice. The students are requested to approach the various authorities for granting relief. Upon the failure of the authorities they are asked to file public interest litigation before the High Court or Supreme Court. In addition to the above 3, the faculty members attend various national level seminars and present research papers.

4.28 V. V. M.'S CrOVIND RAMNATH HARE COLLEGE OF LAW, MARGAO

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

A. S. Nadkarni, LL.M., *Principal*, Law
R. V. Kuncolierikar, LL.M., *Lecturer*, Law
C. J. F. Prasannakumar, LL.M., *Lecturer*, Law
Jayashankar K.I, LL.M., *Lecturer*, Law
Manoj Kumar K., LL.M., *Lecturer*, Law
Sonali Nailc, LL.M., *Lecturer*, Law

J.G. Prabhudesai, LL.M., *Lecturer*, Law
T. Jacques, LL.B., *Lecture*, Law
J. Antao, LL.B., *Lecturer*, Law
C. A. Coutinho, LL.M., *Lecturer*, Law
Sarojini Da Costa, LL.M., *Lecturer*, Law
M. Hede, M.P.Ed., *Director*, Phy.Education

4.28.3 List of Visiting Scholars: (Name of Scholar, Institution, Title of lecture delivered, Date).

Shubhalakshmi Naik, Albertina Ahneida, Norma Alvares, Lalita Joshi, M. P. Shinlcre Memorial Lecture "Challenges before the women in 21st century", 10th March 2001.

4.28.5 Seminar/Conferences/Workshops etc.

(a) Organised: (Title/Theme, Dates, Funding agency, Name of department).

All India Invitation Moot-Court Competition, 6th & Sept. 2000.

4.28.9 Achievements: (Ranks/Merit in the University examinations/Sports Activities).

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

Kenneth Andrew Fernandes, 1st Rank, T.Y.LL.B.(Old Course),April,2001.

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

College Organized 6th to 9th Dec.,2000.

Won Inter-Collegiate Power lifting Championship, Org.by Goa University, One Gold & One Silver Medal in Weight Lifting Championship.

Won Inter-Collegiate Swimming Championship. Udaykumar Madar ,4 Gold Medals, Swimming.

Jivan Bandekar, Silver medal, Inter-Collegiate Judo Tournament.

4.28.10 Any other information:

(c) Any other special achievements by student/staff:

Students are running over a dozen Legal Aid Cells.in South Goa for the benefit of the general public with the help of the teachers guiding the local people in legal matters and providing free legal aid.

Faria Milushca, 1st prize of Rs.2000/-,All Goa Inter-Collegiate Dr. P. S. Ramani Foundation Essay Competition.

4.29 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 and Head*,
Prosthodontics

M. Aras, M.D.S., *Asstt. Professor, Prosthodontics*

V Chitre, M.D.S., *Asstt. Professor, Prosthodontics*

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

A Fernandes, M.D.S., *Lecturer, Prosthodontics*

I. Fernandes E Coutinho, M.D.S., *Lecturer,*

Prosthodontics

P.K. Chandra, M.D.S., *Professor & Head*

Orthodontics

Anna Vaz, M.D.S., *Asstt. Professor, Orthodontics*

Nandini Kamat, M.D.S., *Lecturer, Orthodontics*

A. Dinkar, M.D.S., *Prof, Oral Med. & Radiology*

Preeti Ambarkar, M.D.S., *Lecturer, Oral*

Medicine & Radiology

S. Patil, M.D.S., *Lect., Oral Med. & Radiology*

Ida de Noronha de Ataide, M.D.S., *Professor,*
Conservative Dentistry

R. Wagle, M.D.S. *Lea, Conservative Dentistry*

Jyoti Rao, M.D.S., *Professor & Head, Periodontics*

James Samuel, M.D.S., *Asst.Prof, Periodontics*

Gauri Sardessai, M.D.S., *Lecturer, Periodontics*

A. Kenkre, M.D.S., *Asstt. Prof, Community*

Dentistry

Vikas Dhupar, M.D.S., *Asst.Prof, Oral Surgery*

Francis AkIcara, M.D.S., *Lecturer, Oral Surgery*

S. Hegde, M.D.S., *Sr. Resident, Oral Surgery*

Steven Rodrigues, M.D.S., *Lecturer; Pedodontics*

A. Spadigam, M.D.S., *Prof &Head, Oral Pathology*

Anita Dhupar, M.D.S., *Asstt.Prof, Oral Pathology*

S. Badbade, M.D.S., *Lecturer; Oral Pathology*

4.29.2 Highlights of the Research Activities:

Study efficacy of Reficonile in oral and Maxillofacial surgery, in oral medicine & Radiology department:-

- 1) Treatment modalities for oral lichen planus.
- 2) Bite mark analysis.
- 3) Submucous fibrosis.
- 4) Treatment modalities for tempor mandibular joint disorders.

4.29.5 Seminars/Conferences/Workshops, etc.

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

Workshop on shade selection using 3-D Master shade guide by Hueben, Dec.,2000, Novo Dental Mumbai, Prosedontics department.

Sari Dharmasaputara, Metal free ceramics, Novo Dental Mumbai, ⁶(11 Jan. 2001,Prosedontics department.

Mohan V. S., Oral implants Restorative Aesthetic Dentistry, Novo Dental Mumbai, Prosedontics department.

(b) (i) Attended: Seminars/Conferences: (Teacher, Theme of conference, Place, Date, Title of paper).

Amrita Kenkre, Goa Dental College,4th Goa State Dental Conference at Cidade de Goa, 28th Sept., 2001 ,Gingival enlargement (Amlodipne) A case report

Nandini Kamat & Pavan Chandra, Indian Orthodontics Society, Cochin, 22nd to 25th Sept. 2001, Cephalometric norms for Goan population.

(b) (ii) Attended Workshops: (Name of the Teacher, Theme of Workshop, Place, Date, Title of paper).

John Rodrigues, Craniofacial and cleft workshop, Belgaum & Goa.

Aquaviva Fernandes, Evidence based Dentistry, Devangere.

Six post graduate students of Dept. of Orthodontics, Refind Begg Course, Kanpur, 17th to 20th June 2001.

4.29.6 Publications : (a) Research Articles: Name of teacher and bibliographical details: (Name, *Title*, Journal, Volume, Month/ Year).

Steyen Rodrigues, *Relationship of posts, Endontology*, II July 2001; Anterior Angle stage Implant, JIDA, Vol. 71, Sept. 2000.

Preeti Ambarkar, *Terpester*, Indian journal of Research, In press.

Shama Patil, Roengter odity, Indian journal of pedodontics, In press.

Amita Kenkre, *Oral Health & treatment head in Institution*, Indian Journal of Dental Research, 11, No.1, Jan-March 2000.

James Samuel, *Anterior single state Endossecons Implants with Bicortical support*, JIDA, vol. 71, Sept 2000.

Gauri Sardesai, *Factors Affecting the fracture resistance of post core reconstructed teeth* — A review, Int. Journal of prosthodontics, vol. 14 , 2001.

Aquaviva Fernandes, *Fracture resistance of post-core reconstruction teeth*, International Journal of prosthodontics, vol. 14, July/ Aug. 2001.

Ivy Coutinho, R.K. Singh, Meena Aras, & Vidya Chitre, *Restoration of a lost smile*, Journal of Indian prosthodontics society, vol.1 , March 2001.

Sangeeta Shetye, R.K. Singh, Meena Aras, & Vidya Chitre, *Obturator prosthesis for rehabilitation of speech and palatopharyngeal functions*, Journal of Indian prosthodontics society, vol.11;2, Aug. 2000.

Shachi Shah, R.K. Singh, Meena Aras, & Vidya Chitre, *Resin bonded prostheses* — A review of literature, Journal of Indian prosthodontics society, vol.11;2, Aug. 2000.

Shachi Shah, R.K. Singh, Meena Aras, & Vidya Chitre, *History of prosthodontics- part-II* , Journal of Indian prosthodontics society, 1431.11;2, Aug. 2000.

Shachi Shah, R.K. Singh, Meena Aras, & Vidya Chitre, *Customised cores over fabricated posts using provisional restorations* — A case report , Journal of Indian prosthodontics society, vol.1 ;2, June 2001.

Zenita Menezes, R.K. Singh, Meena Aras, & Vidya Chitre, *Xerostomia : A Necessity or a nuisance*, Journal of Indian Dental Association, vol. 71, 11812, Nov/Dec.2000.

4.29.9 Achievements: (Ranks! merits in the University examinations/ Sports activities).

(a) Academic: (Name of students, Achievements (i.e Ranks etc), Examinations).

Correia Mario Arvino Joe stood first in May, 2001 final N.D.S. Goa University Examination.

Pinto N. Maria Dos Remedios second highest marks in Pedodontics subject and is eligible for award by Indian Society of Pedodontics and preventive Dentistry. She also secured highest marks in Periodontics subject in the class and is eligible for award given by Indian Society of Periodontics.

4.29.10 Any other information:

Adequate Gymkhana facilities are provided for Indoor games, such as Carrom, football, basket ball, cricket, volleyball etc. and Athletics.

4.30 GOA COLLEGE OF ARCHITECTURE, CAMPAL

4.30.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Dept).

A. R. A. Antao, Dip. Arch. *Asst. Prol*, Archit

A. K. Rege, M. Arch. *Asst. Prof*, Archit.

M. Dixit Navare, M. Arch., *Asst. Prof*, Archit.

L. Rodrigues, G. D. Arch., *Lecturer*,. Archit

Zeenat Andani, B. Arch., *Lecturer*, Archit.

Roy D'Souza, B. Arch., *Lecturer*, Archit.

Sanjay Belurkar, B. Arch., *Lecturer*, Archit.

Vishal Signapurkar, B. Arch., *Lecturer*, Archit

Salvin Dias, B. Arch., *Lecturer*, Archit.

4.30.2 Highlights of the Research Activities:

a) Research and Documentation Centre has been set up in the College with the following objectives:

1. To promote and project the ideology of the College.

2. To preserve (and duplicate if necessary) the work done by the Students/College during academic year or for other events and develop an archive of such material.
3. To encourage research work and its documentation through this Centre.
4. To provide back-up facility for Consultancy projects taken up by the College

b) A research topic momentarily titled 'Dos and Dents in Local Goan Houses', targeting mainly students of Architecture (however others also may find it useful) is being attempted to make aware of constructional and design mistakes and to offer remedial and / of better alternatives to avoid such mistakes.

4.30.5 Seminars/Conferences/Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding agency, Name of Dept)

Workshop on Electrical Systems/Working drawing by Albert D'Souza, 10" March 1999, Govt. of Goa, Goa College of Architecture.

(b) (i) Attended: Seminar/Conferences (Teacher ,Theme of conference,, Place, Date, Title of paper).

Lawrence Rodrigues, School of Planning and Architecture, New Delhi, 14th Feb 2000 to 25th Feb 2000, Participatory approach in Architectural Education; Anna University, Chennai, 29th May 2000 to 10th June 2000, Low Energy Architecture; M. S. University, Baroda, 29th Jan. 2001 to 9th Feb. 2001, Housing Beyond shelter.

(b) (ii) Attended :Workshops: (Name, Theme of Workshop, Place, Date, Title of paper).

Ashish K. Rege, Implications of Landscape Design in the New Millenium (QIP sponsored by AICTE/ISTE), M. S. Ramaiah Institute of Tech., 31st July 2000 to 11th Aug. 2000; Incorporation of Heritage Regulations in Urban Devpt. Plans, At Panaji organised by AMDA, Delhi, 21st to 24th Sept. 2000.

Roy D'Souza, Orientation Course, Goa University, Bambolim:Goa, 20th Aug. to 18th Sept. 2000.

Sanjay Belurkar, Participated approach in Architectural Education, IISC Bangalore; Quality Improvement Programme, School of Planning and Architecture, New Delhi; Housing Beyond Shelter, M. S. University, Baroda.

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

(a) Academic: (Name of students, Achievement, (i.e ranks etc), Examination).

Desai Vinish Vithal, First Rank at the Fifth Year Architecture Examination conducted by Goa University in the month of May, 2001.

4.30.10 Any other Information :

(a) Awards/ Honors conferred:

Kakodkar Sonali Sudhir (Final Year Student), Charles Correa Prize of Rs. 10,000/- for the best Design Thesis.

4.31 KALA ACADEMY'S GOA COLLEGE OF MUSIC, CAMPAL

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

Kamalakar B. Naik, M.A.M. Music, <i>Principal</i>	Ulhas Velingkar, M.Music, <i>Lecturer</i> (Tabla)
S. S. Karandikar, M.Music, <i>Lecturer</i> (Vocal)	Harsha Mandurkar, M.F.A., <i>Lecturer</i> , Painting
Manab Das, M.Music, <i>Lecturer</i> (Sitar)	

4.31.5 Seminars/Conferences/Workshops, etc.

(a) Organised: (Title/Theme, Date, Funding agency, Name of dept.)

Seminar on Vocal Music Experts participated: Pt. Arun Kashalkar, Pt. Prabhudeo Sardar and Kamalakar B. Naik, 2nd Aug. 2001, Govt., Goa College of Music.

(b) (ii) Attended: Workshops: (Name of the Teacher, Theme of the workshop, Place, Date).

Manab Das, Lecturer in Sitar attended Refresher Course, sponsored by UGC and conducted by Vishva Bharati University, Shantiniketan, West Bengal, 25th Nov. to 15th Dec. 2000.

4.32 INSTITUTE OF NURSING EDUCATION, PANAJI

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

Carol Noronha, M.Sc, *Principal*
Ana Rauto, M.Sc., *Lecturer*
F. Rodrigues, M.Sc., *Lecturer*
Avita Almeida, B.Sc, *Clinical Instructor*

Remy Lacerda, B.Sc, *Clinical Instructor*
S. Yadav, B.Sc., *Clinical Instructor*
M. D'Costa, B.Sc., *Clinical Instructor*
K. Sawant, B.Sc., *Clinical Instructor*

4.32.5 Seminars/Conferences/Workshops, etc.

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

Two Workshops on Management skills in Nursing, 11-21 September 2000 and 9-14 October 2000, Ministry of Health and Family Welfare, Institute of Nursing Education, Panaji

4.33 G.V.M.'S COLLEGE OF EDUCATION, PONDA

4.33.1 List of Teaching Staff: (Name of Teacher, Qualifications, *Designation*, Department).

Louis Vernal, M.Ed.Ph.D., *Principal*, Education.
Allan J. Abreo, M.Ed., *Lecturer*, Education.
Paily M.U., M.Ed. Ph.D., *Lecturer*, Education
Sebastian J.Pinto, M.Ed., *Lecturer*, Education
Ganesh C. Naik, M.Phil, *Lecturer*, Education
Pratima Desai, M.Ed., *Lecturer*, Education

Anna Neena George, *M.Ed., Lecturer*, Education
Sunil Kumar, M.Ed., *Lecturer*, Education
Jojen Mathew, M.Ed.Ph.D., *Lecturer*, Education
Sanjay R. Govenkar, M.Ed., *Lecturer*, Education
Samir V. Naik, M.Ed., *Lecturer*, Education

4.33.5 Seminars/Conferences/Workshops etc.

(a) Organised : (Title/Theme, Date, Funding agency, Name of dept),

National Workshop on Calendar of Activities for Secondary Teacher Education, 16th to 18th Nov. 2000, N.C.T.E., GVM's College of Education, Ponda.

(b) (i) Attended: Seminar/Conference : (Teacher, Theme of conference, Place, Date, Title of paper).

Louis Vernal, (i) XXXIV Annual International Conference of Indian Association of Teacher Educators, Hindu College, Moradabad, 21st to 24th Dec. 2000, Technology and Teacher Preparation (ii) Quality Improvement in Secondary Teacher Education Programme, Vidya Pratishthan's College of Education, Baramati and NCTE, New Delhi, Baramati, 16th to 18th Feb. 2001, Calender for Teacher Education Programme.

Paily M.U., 1st National Conference of Academy of Psychologists, Directorate of Distance Education. S. V. University, Tirupati, 8th to 10th Feb. 2001, Development of Critical Thinking.

(b) (ii) Attended: Workshop : (Name of Teacher, Theme of Workshop, Place, Date, Title of paper).

Loius Vernal, (i) Training Programme-Assessors, NAAC., Bangalore, 6th to 8th July 2000 (ii) Programme on 'Net Working' of English Language Teaching (British Council) Baroda, 8th to 10th Dec. 2000.

Sunil Kumar & Samir Naik, XXXIV Annual International Conference of Indian Association of Teacher Educators, Hindu College, Moradabad, 21st to 24th Dec. 2000.

Sunil Kumar, Refreshers Course, Sri Venkateshwara University, Tirupati, 12 Feb.- 3 March 2001.

Paily M.U. & Allan J. Abreo, attended CASTME-UNESCO-HBCSE International Conference on Science Technology & Mathematics Education for Human Development, Panaji, 20th to 23rd Feb. 2001.

4.33.6 Publications: (a) Research Articles: Name of Teacher and Bibliographical details : (Name. *Title*, Journal, Volume, Month/Year).

Loius Vernal, *What is a good School*, New Frontiers in Education, XXXI(2), April, 2001.

4.33.9 Achievements: (Ranks/ Merits in the University Examination/ Sports activities).

(a) Academic: (Name of the Student, Achievements (i.e. Ranks etc.), Examination).

Saluja Kumar S., 1st Rank, B.Ed. Examination, April 2001, Goa University

Caeiro Loretta T. Rodriguese, 2nd Rank, B.Ed. Exam., April 2001, Goa University

Verenkar Medha M., 3 Rank, B.Ed. Exam., April 2001, Goa University.

4.34 BSP'S GOPdANTAK AYURVEDAMAHAVIDYALAYA RESEARCH CENTRE,
SHIRODA

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

Anura Bale, M.D.Ph.D, *Reader*, Sharir Kriya
S. Satyendra Ojha, M.D. Ph.D., *Reader*, CM0
Neelesh Korde, M.D., *Reader*, Sharir Rachana
Nagaraja Samaga, M.D.Ph.D, *Lecturer*, Dravyaguna
Upendra Dixit, M.D.Ph.D.M.A., *Lecturer*, Samhita
Anil Panse, M.D., *Lecturer*, Kayachikitsa
Anand Pol, M.D. *Lecturer*, Roganidaan V.V.
M. Joshi, M.D.Ph.D., *Lect.*, Charak Samhita.
Shrinivas Gujjarwar, M.D., *Lect.*, Shalyatantra
Sadashiv Tengse, Kavyateertha, *Lect.* Sanskrit

Sampat Bhatane, M.D., *Lect.*,
Sangita Karlekar, M.D., *Led.* Streeroga
Raghuram Ayyagari, M.D. *Lect.* Kayachikitsa
S.Habli, B.A.M.S., D.G.Dip. Rasayan Vajeeakaran
Lecturer, Sharir Kriya.
Madhavalata Dixit, M.D., *Lecturer*, Swasthavrutta
Vidula Garud, M.D., *Lect.* Roganidaan V.V
Pranav Bhagvat, M.D. *Lect.* Sharir Rachana
Vinayak Joshi, M.D., *Lecturer*
Madhavi Suradkar, M.D., *Led.* Kayachikitsa

4.34.5 Seminars/Conference/Workshops; etc.

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

Mrudula Joshi, All India Workshop on Rajyoga and Ayurveda, Mount Abu, Spiritual Energy in Ayurveda.

4.34.6 Publications: (a) Research Articles: Teacher and Bibliographical details: (Name, Title, Journal, Volume, Month/Year).

Neelesh Korde, A case of Myclobfibrosis treated on the lines of Ayurveda, Bangalore Aurmedline-Inter National Biannual Magazine on Ayurveda, Jan. 2001.

Upendra Dixit, Amlapitta- Critical Assessment and its Treatment, Mumbai- Madhujivan, Dec.2000.

Raghuram Ayyagari, (i) Samhita upto date, Bombay — Madhujivan June 2000; (ii) Pizichil, Bangalore- Ayurwave Magazine, July 2000; (iii) Pizichil, Goa Prabodhinivarta, Sept. 2000; (iv) Seminars diets to share, Goa-Prabodhinivarta Dec.2000; (v) Semen Analysis- Another interpretation, Bangalore- Ayurwave, Feb.2001.

4.34.8 (b) Ph.D. Degree conferred during the year: (Name of candidate, Subject, Title of Thesis).

Mrudula Joshi, Samhita and Siddhanta (Basic Principle) Instt.- Tilak Maharashtra Vidyapeeth, Pune, Ayurvedic perspective of Beauty with special emphasis on Beauty of Hair.

4.34.10 Any other Information:

(a) Awards/ Honours conferred :

Upendra Dixit was awarded with National level 'Han Om' gold medal for best research in the field of basic principles of Ayurveda, by Gujarat Ayurveda University, Jamnagar.

(c) Any other special achievement by students/staff:

Camps at Gomantak Ayurveda Mahavidyalaya and Research centre Shiroda on 1st Dec, 2000 (Diabetes).

4.35 GOA MEDICAL COLLEGE & HOSPITAL, BAPd BOLIM

4.35.1 List of Teaching Staff: (Name, Qualifications, *Designation*, Department).s

B. N. REDDY, M. D., *Dean*

DEPARTMENT OF ANATOMY

A.V. Mainker, M.S., *Professor & Head*
Aroona A. Nagarsenkar, M.S., *Asso. Professor*
Prashant E. Natekar, M.S., *Asso. Professor*
Usha P. Bhate, M.S., *Asso. Lecturer*
Prakash R. Pai, M.S., *Asstt. Professor*
M. P. Dias, M.S., *Asstt. Professor*
Rajani N. Dubhashi, M.S., *Lecturer*
Deepa H. Kamat, M.B.B.S., *Lecturer*
Uday Kudalkar, M.B. B.S., *Asstt. Lecturer*
Sherya Bhandare, M.B.B.S., *Asstt. Lecturer*

DEPARTMENT OF MICROBIOLOGY

M.P. Verenkar, M.D., *Professor & Head*
Savio Rodrigues, M.D., *Assoc. Prof*
Neena Kharangate, M.D., *Asstt. Professor*
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*
Gurleen Kaur, M.D., *Asstt. Lecturer*
Sandhya Esteibero, M.D., *Assn. Lecturer*

Neelam R. Madhale, M.B., B.S., *Asstt. Lecturer*
Madera C. D'Souza, M.B., B.S., *Asstt. Lecturer*

DEPARTMENT OF PHYSIOLOGY

M. E. Abraham, M.D., *Professor*
A.S.Borkar, M.D., *Associate Professor*
F.Monteiro, M.D., *Associate Professor*
A. Noronha, M.D., *Asstt. Professor*
S.D.Sahakari, M.D., *Asstt. Professor*
M.D.Nagvekar, M.D., *Lecturer*
J.R.Pednekar, M.D., *Lecturer*
S.R.Sardessai, M.D., *Asstt. Lecturer*
S.S.Audi, M.B.B.S., *Asstt. Lecturer*
F. De Souza, M.S., *Asstt. Lecturer*
S. S. Pandarbale, M.B.B.S., *Asstt. Lecturer*
Nandita Pereira, M.B.B.S., *Asstt. Lecturer*

DEPARTMENT OF PATHOLOGY

Nisha S. Nadkarni, M.D., *Professor & Head*
R.G.W. Pinto, M.D., *Associate Professor*
M.V. Mallia, M.D., *Associate Professor*
Avril Dias, M.D., *Associate Professor*
Francisco F.D. Couto, M.D., *Assu. Professor*
Pramila Souza Rocha, M.D., *Lecturer*
Suresh R.S. Mandrekar, M.D., *Lecturer*
Sanjyot A. Nadkarni, M.D., *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*
Veronic M. Rebell°, M.D., *Asstt. Lecturer*
Peter Rodrigues, M.B.B.S., *Asstt. Lecturer*

DEPARTMENT OF SKIN & V. D.

M.F. M. Miranda, D.D.V., *Prof & Actg Head*
Pankaj Shukla, M.D., *Asstt. Professor*
Esther Ferrao, M.D., *Lecturer*

DEPARTMENT OF ORTHOPEDICS

U.G. Nachinolkar, M.S., *Professor & Head*
C. Barrett°, M.S., *Associate Professor*
S.M. Bandekar, M.S., *Asstt. Professor*
Z.D'Mello, M.S., *Lecturer*
S. Talwadkar, M.S., *Lecturer*
S.S. Nadkarni, M.S., *Lecturer*

DEPARTMENT OF NEUROLOGY

V.N. Jindal, M.S., *Professor & Head*
Ponraj K. Sundaram, M.Ch., *Associate Professor*
Farook Sayed Ahamed, D.N.B., *Asstt. Professor*

DEPARTMENT OF PHARMACOLOGY

V.G. Dhume, M.D., *Professor*
S.S. Bede, M.D., *Associate Professor*
J.S.C. Pereira, M.D., *Associate Professor*

DEPARTMENT OF FORENSIC MEDICINE

B.N. Reddy, M.D., *Professor & Head*
S.D. Sapeco, M.D., *Asso. Professor*
E.J. Rodrigues, M.D., *Asstt. Professor*
A.V. Fernandes, M.B. B. S. *Asstt. Lecturer*
M. S. Ghodkireker, M.B.B.S., *Asstt. Lecturer*
S.S. Banaulikar, M.B.B.S., *Asstt. Lecturer*
S.G. Perni, M.B.B.S., *Asstt. Lecturer*
G.G. Kamat, M.B.B.S., *Asstt. Lecturer*

DEPARTMENT OF BIOCHEMISTRY

Shanti Pamnani, M.D., *Professor*
Asha A. Naik, M.D., *Asso. Professor*
P.P. Nadkarni, M.D., *Asso. Professor*
Chita Dhume, M.D., *Lecturer*
Tanuja Kamat, M.D., *Asstt. Lecturer*
Manisha Audi, M.D., *Asstt. Lecturer*
Jane Zore, M.B.B.S., *Asso. Lecturer*

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE

D.D. Motghare, M.D., *Professor & Head*
A.M. Ferreira, M.D., *Associate Professor*
K. A. Quenim, M.D., *Associate Professor*
J.A. Cacodkar, M.D., *Asstt. Professor*
Vanita Pinto, M.D., *Lecturer*
V.D'Souza, MA., *Lecturer, Health Education*
M.S. Kulkarni, M.Sc., *Lecturer, Demography*
Y.D. Prasad, Ph.D., *Lecturer, Statistics*
Gokuldas Gawde, MBBS, *Asstt. Lecturer*
Amit Dias, M.B.B.S. *Asstt. Lecturer*
Frederick Vaz, M.B.B.S., *Asstt. Lecturer*

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 OPHTHALMOLOGY

Pradeep G. Naik, M.S., *Professor & Head*
Ugam P.S. Usgaonkar, M.S., *Assoc. Professor*
Vivek Naik, M.S., *Asstt. Professor*
Ravindra Panandikar, M.S., *Lecturer*

DEPARTMENT OF GYNAECOLOGY

Prasad Nevrekar, M.D., *Professor. & Head*
Milan Bhandare, M.D., *Associate Professor*
Anjali Kamat, M.D., *Associate Professor*
Savita Chandra, M.D., *Asstt. Professor*
Guru Prasad Pednekar, M.D., *Asstt. Professor*
Manjusha Jindal, M.D., *Asstt. Professor*

S.A. Bhounsule, M.D., *Asstt. Professor*
P.N. Bhandare, M.D., DGO, *Lecturer*
P.V. Rataboli, M.D., *Asstt. Lecturer*
Sunita B. De Sa, M.D., *Assn. Lecturer*
I.A. Pereira, M.D., *Asstt. Lecturer*

DEPARTMENT OF ANAESTHESIOLOGY

Marilyn P. Nazareth, M.D., *Professor*
Dalia D. Bhandare, M.D., *Associate Professor*
Sitaram V. Korgaonkar, M.D., *Associate Prof*
Shaila Kamat, M.D., *Asstt. Professor*
Shirley D'Souza, M.D., *Asstt. Professor*
Yvonne Menezes, M.D., *Lecturer*
Leena Goel, M.D., *Lecturer*

DEPARTMENT OF PSYCHIATRY

J. M. Fernandes, M.D., *Professor*
P.J. Dukle, M.D., *Asstt. Professor*
H.A. Borkar, M.D., *Asstt. Professor*
D.S. Kukalekar, M.D., *Asstt. Professor*
Maria Y. de Silva Pereira, M.D., *Lecturer*
A.P. Dessai, 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., *Associate Professor*
F.P. Noronha, M.S., *Assn. Professor*
Jude Rodrigues, M.S., *Asstt. Professor*
Rajesh T. Patil, M.S., *Lecturer*
Yuri Dias Amborkar, M.S., *Lecturer*
Mervyn Corrieia, M.S., *Lecturer*
Radhika Raj, M.S., *Lecturer*
Olav Rebeiro, M.S., *Lecturer*
Piedade Clemente, M.S., *Sr. Resident*
Kapil Sharda, M.S., *Sr. Resident*
Dwarakanath T.R., M.S., *Sr. Resident*
Reshma Salelkar, M.S., *Sr. Resident*
Suresh H. M.S., *Sr. Resident*
Celma D'Silva, M.S., *Sr. Resident*

4.35.2. Highlights of Research Activities:

DEPARTMENT OF ANATOMY

Hot humid climate of the coastal state of Goa favours growth of fungus on cadavers for anatomical dissection and on the surface of cadavers tanks inspite of use of formalin as embalming fluid.

Culture and isolation studies reveal that the fungus growth is primarily *Aspergillus fumigatus* especially in cadavers tanks and *Aspergillus* higher on mummies used for teaching purpose. Studies are undertaken to see how the growth can be controlled so that it does not become a health hazard.

DEPARTMENT OF PHARMACOLOGY

1. **Gastrointestinal Pharmacology:** Experiments were carried out to find out any correlation between mechanism involved in gastrointestinal motility and secretion using several drugs like opioid analgesics and antibiotics.

2. **Clinical Pharmacology:** Therapeutic Drug Monitoring & Adverse Drug Reaction Monitoring continued.

3. **Phytopharmacology:** Standardization of routine screening procedures was carried out.

DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE

A qualitative process evaluation project on "Family Health Awareness Campaign 2000" was completed, which studied the perception of the people on HIV/AIDS and RTI-STD's along with program implementation and improving the utilization of health services offered by the program. The components of program management, social mobilization, impact, and client behaviour were also evaluated. It revealed that such programs in future will be more successful and enable our next generation to prevent this kind of diseases. The overall social mobilisation campaign needs improvement. As far as impact, it was too soon to achieve the ultimate goals of the program. So far the client behaviour is concerned, some of the prevalent socio-cultural beliefs about causes, effects and treatment of HIV/AIDS and RTI-STD's might have adversely influenced the participation of clients in Family Health Awareness Campaign 2000.

DEPARTMENT OF SKIN & V.D.

One multicentric research project on etiological factors in pemphigus which was simultaneously carried out in Israel, U.S.A., Brazil, Bulgaria, Spain, Italy and Goa was completed.

The other research project completed was a study of dermatoses in prawn handlers.

Study on dermatological manifestations associated with HIV infection. Another project is study of dermatoses associated with diabetes mellitus.

DEPARTMENT OF GYNECOLOGY

Prof. Dr. P. Nevrekar- Principal Investigator, OHR. R. C. Goa Centre, GMC — Research Project on "Emergency contraception" with LNG&CU-T.

DEPARTMENT OF PSYCHIATRY

The research activities in the IPHB includes preparation of thesis as a requirement for the MD(Psychiatry), besides this other research activity by the various faculty members Prison Psychiatry and Clinical Psychiatry.

Collaboration research projects are also taken up with G.M.C. and Dental College and other N.G.O's.

DEPARTMENT OF PATHOLOGY -

Cyto histopathological correlation of thyroid lesions

Cyto histopathological correlation of palpable Breast lesions.

Clinicopathological study of tumors of gastrointestinal tract.

Cyto histopathological correlation of Neck lymph nodes.

DEPARTMENT OF MICROBIOLOGY

1. Microbial study in chronic suppurative otitis media.
2. Bacteriology of diabetic foot ulcer.
3. Study of filariasis in migrant labour population in Goa,
4. Specialisation and characterisation of candida species isolated from various clinical samples.
5. Co-relation of HSV, HIV & HbsAg seropositivity in patients with sexually transmitted diseases.
6. Prevalence of HIV seropositivity in migrant labourer working in Goa.
7. Prevalence of anti HCV antibodies in HIV positive persons.

4.35.3 List of Visiting Scholars: (Name of Scholar, Institution, Title of Lecture delivered, Date).

Dr. R. Naidu, Hubli Medical College, Boyles apparatus, 2nd May 2001.

4.35.5 Sponsored Research Projects sanctioned during the concerned academic year: (Name of Investigator/s, Topic, Date of sanction, Funding agency, Amount).

D.D. Motghare, Vidal D'Souza, Jagdish A. Cacodkar, "Evaluation of family Health Awareness Campaign 2000", Dec. 2000, All India Institute of Medical Sciences New Delhi, and India Clinical Epidemiology Network, Rs. 80,000/-

D.D. Motghare, Vidal D'Souza, M.S. Kulkarni, "Sentinel Surveillance under National programme of control of Blindness" Government of India, Ministry of Health & FW, Directorate General of Health Service (Ophthalmology section), Rs. 75,000/-

Prasad Nevrekar, "Emergency Contraception" 2000, ICMR.

4.35.5 Seminars/Conferences/Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding agencies, Name of Dept.)

I.M.A. State Conference, 22nd & 23rd Sept. 2001, XIII Annual IMA Goa State Conference-2001.

G. K. Salelkar Mem. Found. , 1st Sept. 2001, The Mind, The Machine and Medicine.

Symposium on Breast Cancer, March 2001, Dept. of Pathology.

Symposium on Leptospirosis, Sept. 2001, Staff security.

Use of modern equipments in Dermatology, 15th July 2001, Goa Association of Dermatologists, Dept of Dermatology & G.A.D.

Workshop in Pediatric Dermatology, 13th & 14th Sept. 2001, Goa Association of Dermatologists, Dept. of Dermatology & G.A.D.

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

S.R.Sardesai & S. S. Pandarbale, 3rd Congress of Federation of Indian Physiological Societies, Science City, Calcutta, 24th to 26th Nov. 2000, Effects of Shavasana on Cold Pressor test and hand grip in young adults.

C. Y. Dhume, Nagpur Medical College, Nagpur, Jan. 2000, Changes in the developing rat brain during undernutrition.

M. S. Ghodkireker, 22nd Annual Conference of Indian Acad. For. Med. SMS Med. Col., Jaipur, 5th to 7th Jan. 2001. Child Sexual Abuse.

J. M. Fernandes, SMS Medical College, Jaipur, 4th to 8th Jan. "Open trial of Zuclopenthixol Acetate in Acute Psychosis — A Multicentered study" in the Golden Jubilee Annual National Conference of Indian Psychiatric Society and Regional Meeting of World Psychiatric Association Psychiatric Centre.

D'Souza Ramona and Esteibero S., LTMC, SION, MUMBAI Mycology — 2000, Mumbai, 12th to 16th Oct. 2000, A Typical Phaeohyphomycosis Role of Fungi in Corneal Ulcers S. Paratyphi A Fever in Goa.

V. Naik, G. Kaur and S. Esteibero, Indian Association of Medical Microbiologists, Belgaum JNMC, 17th to 19th Nov. 2000, MRSA in Goa Seroprevalence of HSV — 2.

V.N. Jindal, PSGIMSR Hospital, Coimbatore, Tamilnadu, 6th to 10th Sept. 2001.

D.P. Amonkar, , ASI Conference, Dec. 2000, Bangalore.

F.P. Noronha & Rajesh Patil, IMA, 12th Goa State Conference , 23rd & 24th Sept. 2000.

U. G. Nachinolcar, Medical College, Patna, 17th to 20 Sept. 2001, i) Fracture distal and radius ii) Compartment syndrome.

Amit Dias, i) Alzheimer diseases International, U.K., Washington U.S.A., June 2000, "Dementia Research in Goa"; ii) British Indo, Psychiatric Association U.K., Goa, Jan.2001, Care arrangements in Dementia.

D. D. Motghare, i) Asia Pacific Association of Travel Medicine, Taipei Taiwan, June 2000, Migrant Workers: diseases prevention and Medical Care; ii) JN Medical College, Sawangi-Meghe, Wardha, Wardha, M.S. July 2000, Need based changes in teaching of Community Medicine.

Prasad Nevrekar, Milan Bhandare, Anjali Kamat, Savita Chandra, Guruprasad Pednekar, Manjusha Jindal, 8th & 9th Sept. 2001, 'Safe Abortion'.

Vijay Kumar presented paper on "A rare case of Granulosa Cell Tumor" for YUVA FOGSI Conference 9th Sept. 2001, Goa.

Muriel Cardoso, Pen Urthral Bulking agents.

Gaurish Gaunekar, "The patterns, prevalence and impact of hazardous drinking in a male Industrial Population in Goa." (India) in the 53^d Annual National Conference of Indian Psychiatric Society at AFMC, Pune, 9th to 12th Jan. 2001. And also at BIPA, British Indian Psychiatric Association, Goa, 14th to 17th Jan. 2001.

J. M. Fernandes, Psychiatry in Goa, "History and Current Services" at British Indian Psychiatric Association, Goa, 14th to 17th Jan. 2001.

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

F.Monteiro, Medical Education, Bambolim, 8th & Dec.2000.

S.D.Sahakari, 45th National course on Educational Science for Teachers of Health Professionals, Pondicherry, 17th to 27th Sept. 2001.

C. Y. Dhume, Immunoassays, Nagpur, Jan.2000.

E. J. Rodriguese, 37th Nat. Teachers Training Course for Health Professionals, Chandigarh, 22nd to 31st Aug.2001.

Ramona D'Souza, Gurleen Kaur and Sandhya Estebeiro, Laboratory diagnosis of Common fungal infections, Dept. of Microbiology, 12th Oct.2000.

Ramona D'Souza, Gurleen Kaur and Sandhya Estebeiro, Clinico Mycological approach to Dermatomycosis, Dept. of Microbiology, Seth G.S.Med. College, KEM Hosp., Mumbai, 16th Oct.2000.

Venkatesh Naik, Gurleen Kaur and Sandhya Estebeiro Diagnostic Techniques on Clinical Virology, Clinical Microbiology Laboratory KLE's Hosp. & Med. Research, Centre, Belgaum, 16th Nov.2000.

A. NI. Mesquita, National Conference on Bronchology, Jaipur, 8th to 10th Dec.2000.

A. L. Da Costa, Workshop on HIV/AIDS, Pune, 3rd to 9th Sept. 2001.

F.P. Noronha & Rajesh Patil, Craniofacial and Cleft, 11th & 12th Jan. 2001, KLES Belgaum followed by conference at international cleft lip and palate foundation on 13th & 14th Jan.2001.

Jude Rodrigues & Rajesh Patil, Medical Education, 8th & 9th Dec. 2000.

Rajesh Patil, HIV/AIDS, 21st to 23rd Aug. 2000; Orientation training programme for teachers of diploma in occupational and industrial health, 8th & 9th Jan. 2001.

V. N. Jindal, Workshop in Advanced Stereotactic Neurosurgery, AMC Hospital, Amsterdam, Netherlands, 6th to 9th May 2001.

U.G. Nachinolkar, Interlocking & Pelvic fracture, Patna, 17th to 20th Sept. 2001.

A.M. Ferreira, Indo German "Prevention of Streptococcal Infection & RHD", Goa, April 2000.

D. D. Motghare, Vidal D'Souza & J. A. Cacodkar, Family Health Awareness Campaign, 2000, Mumbai, Nov.2000.

K. A. Quenim, Childhood Blindness, New Delhi, March 2001.

4.35.6 Publications (a) Research Articles: Name of teacher and bibliographical details: (Name, Title, Journal, Volume, Month/Year).

P. V. Rataboli, R. S. Diniz D'Souza & V. G. Dhume, *Pigmented contact dermatitis from Quicklime (chuna)*, The Indian Practitioner, 53, Oct.2000.

Padma Bhandare, *Teratology: Principles & Practice*, Journal of XIII Goa State IMA Conference, Sept.2001.

Suicidal death due to *Severe Chlorequine Overdose*, A case report by E. J. Rodriguese and P. V. Rataboli. Journal of Indian Academy of Forensic Medicine, 1999, 21.

Postmortem diagnosis of myocardial Ischaemia with special emphasis on Autofluorescence y E. J. Rodriguese, B. N. Reddy and A. Pednekar. Journal of Karnataka Medical Legal Society, 2000, 9.

Vulva! Rape: A case report by E. J. Rodriguese. Journal of Karnataka Medicolegal Society, 2000, 9.

- Medical certification of cause of death*, a review by E. J. Rodriguere, S. D. Sapeco and M. S. Ghodkirekar. Archives of Goa Medical College, 2001.
- Medicolegal cases-* A review by E. J. Rodriguere, S. D. Sapeco, A. V. Fernandes and M. S. Ghodkirekar. Archives of Goa Medical College, 2001.
- Estibeiro S. et al, Prevalence of *Taenia infestation* in 3 areas in Goa., Indian Jr. of Med. Microbiolgy, 18, 2000.
- Kharangate N. V. et al, Seroprevalence of HIV, Archives of Goa Medical College, 2001.
- D'Souza Ramona et al, *Mycobacterial study of FNA in cervical lymphadenitis*, Archives of Goa Medical College, 2001.
- Kaur Gurleen et al, *Serodiagnosis of Toxoplasmosis in Goa*, Archives of Goa Medical College, 2001.
- Rodriguere Savio et al, *Vaccines in Malaria*, Archives of Goa Medical College, 2001.
- Pinto M.J.W. et al, *Ophthalmic myiasis caused by larva of chrysomia bezziana*, Archives of Goa Medical College, 2001.
- F. Couto, *Safety of Blood & Blood Products*, Archives of Goa Medical College, 2001.
- Premila de Sousa Rocha, (i) R. G. W. Pinto, N. S. Nadkarni, Usha Priolkar, *Malignant Phyllides Tumor metastatic to the forearm-* A case report, diagnosis Cytopathology, 22, April 2000 (ii) Blood Administration, Archives of Goa Medical College, 2001,
- Dominic J. Lobo, N. S. Nadkarni, *Utility of Colonoscopic Biopsy in the diagnosis of caecal tuberculosis* — A case Report. , Archives of Goa Medical College, 2001.
- N. S. Nadkarni, M. V. Mallya, *Primary Malignant Melanma*, Archives of Goa Medical College, 2001
R.G.W. Pinto, *Mesenchymal Tumors of the GIT A paradise for Acronyms (STUMP GIST, GA NT) and now a new terminology — GIPACT*, Archives of Goa Medical College, 2001
- Suresh Mandrekar, R. G. W. Pinto, S. Nadkarni, S. Amonkar, N. S. Nadkarni, M. Sardesai, *Fibrolamellar Carcinoma of the liver* — A case Report and Review of literature, Archives of Goa Medical College, 2001.,
- M. F. M. Miranda & N. Chahal, **i) Klippel Trenaunay Syndrome**, Indian Journal of Dermatology, 2001 ii) Juvenile Xanthogranuloma, Paediatric Dermatology, 2001.
- Common Mental Disorders at a Rural Health Centre in Goa.
- A. M. Mesquita, *Evaluation of novel 2 component 2 step AFB staining*, Indian Journal Medical Microbiology, Vol. 19, July 2001.
- M. S. Kulkarni, D.D. Motghare, A.M. Ferreira, *Years of Potential life lost In Goa*, Indian Journal of Community Health, Vol. 5, 2001.
- R. Parmeshwar, J.M. Fernandes, Subramanya Nairy, *Lunar Phase Geomagnetic flux and Incidence of Psychiatric illness a never approaches in the Lunar Hypothesis*, submitted for ANCIPS — 2000 Pune.
- 4.35.8 (b) Ph.D. degree conferred during the year: (Name of Candidate, Subject, Title of the Thesis).
Neychelle Chaim!, Dermatology & Venereology October 2000, Clinical pattern of Drug Reactions.
Hina Lal, Dermatology & Venereology April 2001, Occupational dermatoses in Prawn handlers.
Amit Kalangutkar, Nadine Menezes, Rahul Kakodkar, Gautam Cormali, Suresh Huchtuinavar & Celma D'Silva, Gen. Surgery.
- 4.35.9 Achievements : (Ranks/Merits in the University examinations).
(a) Academic: (Name of student, Achievements (i.e. Ranks etc.), Examinations).
Neychelle Chahal was awarded the B. Ambedkar Gold Medal for scoring the highest marks amongst all the M.D. and M.S. , Goa University, Oct.2000

4.36 SHIVGRAM EDUCATION SOCIETY'S HOMOEOPATHIC COLLEGE & HOSPITAL, SHIRODA

4.36.1 List of the Teaching Staff: (Name, Qualifications, *Designation*, Department).

DEPARTMENT OF ANATOMY

R. B. Dessai, M.Sc. (Med), *Prof & Head*
iSarosh Engineer, B. H. M. S., *Visiting Prof.*
S. D. Naik, B.H. M. S., *Lecturer*
Shivleela Budchi, B.H.M.S., *Demonstrator*

DEPARTMENT OF PHYSIOLOGY

R. Dhume, M.B.B.S. M.D., *Prof & Head*
Jean Antao, B. H.M.S., *Demonstrator*
Makini Desai, B.H.M.S., *Demonstrator*
R. Dharmadhikari, MA., *Demonstrator*

DEPARTMENT OF ORGANON

A. Bhatia, D.M.S., M.B.S. M.F. *Visit. Prof*
K. Mehta, L.C.E.H., *Visit. Prof*
A. P. Chodnekar, B.H.M.S., *Demonstrator*
A. Borkar, B.H.M.S., *Demonstrator*
F. X. Fernandes, B.H.M.S., *Demonstrator*

DEPARTMENT OF PHARMACY

R. Shirvoikar, B.H.M.S., *Demonstrator*
Tessy Jose, B.H.M.S., *Demonstrator*

DEPARTMENT OF PATHOLOGY

S. Menezes, M.D. (Patho/Bact.), *Professor*
A. Joshi, M. D. (Patho), *Asst. Professor*
G. R. Joshi, B.H.M.S., *Demonstrator*

DEPARTMENT OF SURGERY

A. Soraes M.B.B.S., M.S. (Arthro), *Asst.Prof*
R. Kambli, M.B.B.S. , M.S., *Asst. Prof*
V. Naik, M.B.B.S.,M.S. (Opth), *Visit. Led.*
J. Fernandes, M.B.B.S., *Visit. Lect.*
Jesus, B.D.S., *Visiting Lecturer*

DEPARTMENT OF MEDICINE

Rajesh Naik, M.B.B.S. M.D. (Medicine), *Asst. Prof*
V. Priolkar, M.D. (Medicine), *Asst. Prof*
H. Kamat, M.B.B.S., M.D., D.N.B., *Visit. Lect.*
R. Dhume, M.B.B.S., D.P.M., M.D., *Visit. Led.*

436.2 Highlights of the Research Activities :

1. Drug Proving Research Activity:

The Central Council for Research in Homeopathy, Ministry of Health and Family Welfare, Govt. of India --- An apex body in the field of Research in Homeopathy, has consented to accord the necessary technical guidance for the Research on Drug Proving in this college.

The Drug Proving is an unique process of Pharmacodynamics — knowing the therapeutic action of the drug by administrating the medicinal substance in a micro doses prepared by the method potentization. The activity is useful in adding the data of partially proven remedies as well as to introduce new medicine.

4.36.3 List of Visiting Scholars: (Name of Scholar, Institution, Title of Lecture delivered, Date).

Dr. Kishore Mehta, Director, Homeopathic Education & Research Institute (HERI), Mumbai., An application of Organon, 19th & 20th June'2000

Dr. Anil Bhatia, Former Advisor (Homeopathy) Govt. of India., Centenary Celebration of Dr. Hahnemann's Monument at Washington D.C. 21st June'2001

Dr. Kishore Mehta, Director, Homeopathic Education & Research Institute (HER!), Mumbai, An Approach to — Similimum, 8th & 9th Sept'2000

Dr. K. P. Muzumdar, Former Director, National Institute of Homeopathy — Calcutta (Govt. of India), Dr. K. L. Daftari Memorial Oration, 19th to 21st Feb'2001

Dr. M. P. Arya, Former Principal, D. S. Homeopathic Medical College, Pune, Horn. Materia Medica An Applied Aspect Re-orientation Training Programme, 1st to 17th Feb'2001.

Dr. M. A. Udchankar, Principal, A. M. Shaikh Homeopathic Medical College, Belgaum, Horn. Materia Medica — A Training Protocol Re-orientation Training Programme, 9th & 10th Feb'2001.

Dr. Iswara Das, Dy. Advisor, Govt. of India, Homeopathy & National Health Program Re-orientation Training Programle & 13th Feb'2001.

Dr. Wiseman Pinto, Dept. of Pathology,

DEPARTMENT OF MATERIA MEDICA

A. Kothe, D.H.M.S. Principal & Prof.
K. P. Muzumdar, D.M.S. M.F, *Visit. Prof*
M. M. Arya, B.H.M.S., *Demonstrator*
Gomes D'Costa Mila Fatima, B.H.M.S., *Demost.*
K. Prabhu, B.H.M.S., *Demonstrator*
Anna Cardozo, B.H.M.S., *Demonstrator*

DEPARTMENT OF FORENSIC MEDICINE

L. Da'Silva, B.H.M.S., *Demonstrator*

DEP. OF PREVENTIVE & SOCIAL MEDICINE

V. Pai Angle, B.H.M.S., *Demonstrator*

DEPARTMENT OF GYNAC & OBST.

R. Madkaikar, M.B.B.S., M. D., *Asst.Professor*
S. S. Vaidhya, M.B.B.S., D. G. O., *Asst.Professor*

Dr. Wiseman Pinto, Dept. of Pathology,
G.M.C., Bambolim — Goa., Cytology in Clinical Practice, 7th May'2001.
Dr. Savio Rodrigues, Dept. of Microbiology, GMC, Bambolim — Goa, Discourse on AIDS & HIV, 7th
May '2001

4.36.4 Sponsored Research Projects sanctioned during the concerned academic year: (Name of
investigators, Topic, Date of sanction, Funding agency, Amount).

Dr. Arvind Kothe & Dr. Jean Antao, Drug Proving under the Technical guidance of CCRH, 19th July'2000,
Self-Financed.

Dr. Arvind Kothe & Dr. Ida Muller Mukherjee, Learning Disability, Self-Financed.

4.36.5 Seminars/ Conferences/ Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding Agency, Name of Department).

Workshop on Research Methodology, 12^o, 13th & 14th Sept'2000.

Re-orientation Training Programme — Perceiving Materia Medica, 29th Jan to 20 Feb'2001, Govt. of India,
Ministry of Health & Family Welfare, Dept. of ISM & H, Dept. of Mat. Medica.

Workshop on Learning Concept—An application of Case Anamnesis — An Integrated Approach to Study of
Mat. Medica, 10th & 11th April'2001, Dept. of Mat. Medica.

(b) (i) Attended: Seminar/ Conference : (Name of Teacher, Theme of conference, Place, Date,
Title of Paper).

Dr. Arvind Kothe 1) Institute of Classical Homeopathy, Bangalore, 5th Mar'2001, Spider group of
Remedies. 2) Re-orientation Training Programme, Govt. of India's Scheme, SKHMC, "Hill Top",
Shiroda — Goa, 1st to 3rd Feb'2001, Perceiving Materia Medica — Basic Aspects.

4.36.10 Any other information:

(c) Any other special achievements by students/staff:

1. Conducted training camp: Medical first responder — to train the student to attend the casualties in
National Calamities, the Earthquakes etc. 2. Organised Health Exhibition on 31st August, 1st & 2nd
September'2001 — An Annual feature of the Institution to promote health awareness amongst the students
and the people at large.

4.37 NATIONAL HYDROGRAPHIC SCHOOL, VASCO

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

Cdr PI Mathews, M.S.c, *Officer-in-Charge*
Ltcdl Anil Sreedharan, B.S.c, *Chief Instructor*
Ltcdl GS Pujar, B.E., *Electrical Officer*
Ltcdl Hemanth Kumar, B.E., *Edn. Officer*, Ancillary Hydrography
Ltcdl VM Apte, B.Sc., *Head of Dept.* Hydrographic Practice
Lt Ashish Arya, M.H.S., *Head of Fac.* Ancillary Hydrography
Lt NSS Sreenivas, M.H.S., *Member Faculty*, Hydro. Control
Lt J Gurumani, M.H.S., *Member Faculty* Hydro. Practice
Lt RVD'Monte, B.S.c, *Controller of Exams*

4.37.2 Highlights of the Research Activities:

Dissertations were carried out by the students of MHS course and Cdr PI Mathews, Officer-in-Charge,
Ltcdl Anil Sreedharan, Chief Instructor, Ltcdl Hemant Kumar, Lt Ashish Arya, Lt NSS Sreenivas, Lt J
Gununani and, Lt VM Apte guided the students in their respective subjects. The Dissertation Topics
chosen were pertaining to the field of Hydrographic Surveying and included the following:

NAME	DISSERTATION TOPIC
Lt PS Sanua	GIS for Coastal Zone Management
Lt HA Hardas	Use of Satellite Altimetry for defining a Geoid
Lt RB Menon	USE OF Precise Ephemeris for improving single point positioning
Lt J Gurumani	Effective use of Motion Sensors
Lt Satish Bhosle	Tidal Analysis of Mormugao Harbour
Lt B K Prasanna	Comparative Study of Datum transformation

Lt MS Sekhar
Ltcd H E Aikhornu
Ltcd Az Muazu
Ltcd M I Hague

Laser Bathymetry in Indian Water
Hydrography for Dredging Monitoring
Role of Hydrography in Geophysical Survey
Jurisdiction of Hydrographer in CZM Survey

4.37.3 List of Visiting Scholars: (Name of Scholar, Institution, Title of lecturedelivered, Date).

H. B. Menon, Goa University, Behaviour of waves near the Coast, Wave induced current, 16th, 18th & 20th Oct. 2000.

Aftab Can, Goa University, Cyclone and its effects, 16th Oct. 2000.

S. Upadhyay, Coastal and heavy mental, 19th & 20th Oct.2000.

C. U. Rivonkar, Goa University, Coastal pollution with reference to Eutrofication and heavy duty

N. Balalcrishnan, National Hydrographic Office, Dehradun, 17th to 29th July,2000.

J. J. Puthur, Dreging, Naval Detachment, Bangalore,7th to 11th Aug. 2000.

Captain MPT, Mormugao Port Trust, Duties of Harbour Master, 2nd Aug. 2000.

NIO Staff, NIO, Goa, Attachment to NIO, 18th Sept. to 14th Oct. 2000.

4.37.5 Seminars/Conferences/Workshops etc.

(b) (ii) Attended: Workshops : (Name of the Teacher, Theme of workshop, Place, Date, Title of paper).

Lt NS S Sreenivas, RN Rai, Member, FHC, CARIS LOTS, NHO, Dehradun, r to 9th Oct. 2000.

4.38 PADRE CONCEICAO COLLEGE OF ENGINEERING, VERNA

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

B. L. N. Sastry, Ph.D., *Principal*, Mech. Engg.

V. K. Kustagi, M.Tech., *Professor*, Mech.Engg.

C.R.Venkataramana, M.Tech, Asst.Prof,

Mech.Eng.

Dayanand Pai, M.E., *Lecturer*, Mech. Engg.

C.V. Pujari, B.E., *Lecturer*, Mech. Engg.

Suraj Rane, B.E., *Lecturer*, Mech. Engg.

Jaganath Hirlicuide, B.E., *Lecturer*, Mech. Engg.

R.Savangouder, B.E., *Lecturer*, Mech.Engg.

Vibha Shenvi, B.E., *Lecturer*, Mech. Engg.

Joe Kurian, B.E., *Lecturer*, Mech. Engg.

Neena Panandikar, B.E., *Lecturer*, Civil Engg.

Tania Gomes, B.E., *Lecturer*, Civil Engg.

R.P.Adgaonkar, B.E., *Lecturer*, Comp. Engg.

Deepa Majithia, B.E., *Lecturer*, Comp: Engg.

Kavita Asnani, B.E., *Lecturer*, Comp.Engg.

Reena Dalvi, B.E., *Lecturer*, Comp.Engg.

Wenonah Jaques, B.E., *Lecturer*, Comp.Engg.

Anusha R. Pai, B.E., *Lecturer*, Comp.Engg.

Bharathi Adhav, B.E., *Lecturer*, Comp.Engg.

Sharmad Naik B.E. *Lecturer*, Comp.Engg.

Sunil Walwaikar, B.E. *Lecturer*, Comp.Engg.

Stephen Barretto, Ph.D., *Lecturer*, Physics

Vikas V. Bhujle, M.Sc., *Lecturer*, Physics

Kala Nayak, M.Phil, *Lecturer*, Mathematics.

Adarsh Handa, M.Sc., *Lecturer*, Mathematics.

S. Jacob, M.M.S., *Lecturer*, Business

Administration.

Geetalakshtni, K. M.Tech, *Lecturer*, Mech. Engg.

A. N. Pereira, M.Sc., *Lecturer*, Chemistry.

K. R. Pai, M.Tech., *Lecturer*, Electro. & IC Engg.

S. Khanolker, B.E., *Lecturer*, Electro. & TC Engg.

Supriya Patil, B.E., *Lecturer*, Electro. & TC Engg.

Manisha Crasto, B.E., *Lecturer*, Electro. & TC Engg

Arun Torgal, BE., *Lecturer*, Elect. Engg.

Komala Soares, M.E., *Lecturer*, Electro. & TC Engg

J. Iven, M.Tech, *Lecturer*, Electro. & TC Engg.

Natasha Viegas, B.E., *Lecturer*, Elect. Engg.

Nayana Shenvi, B.E., *Lecturer*, Electro. & TC Engg.

J. Devate, M.Tech., *Lecturer*, Electro. & IC Engg.

4.38.2 Highlights of Research Activities:

A paper entitled " An Approximate Analysis of a Three-Machine Production line with buffers" was presented by Prof. B.L.N. Sastry at an International conference on intelligent flexible autonomous manufacturing systems, Coimbatore, January 2000. Beside, a paper on "Strategic Management for Private Engineering Colleges" was published jointly by Prof. B.L.N. Sastry and Mr. Staju Jacob in the proceedings of National Conference on "Technical Education in the New Millennium", held at Hyderabad in March 2000. There is also a proposed plan for collaborative work with ONGC in areas of mutual interest. In addition to all this, some of our students are involved in projects related to their areas of specialisation at D-Link, NIO and NIC.

4.38.5 Seminars/Conferences/Workshops etc.

(b) (i) Attended: Seminar/Conferences: (Name of Teacher, Theme of conference, Place, Date, Title of paper).

- B. L. N. Shastry, National Conference on Computer Integrated Design and Manufacturing, Coimbatore, May 2001, 1) Analysis of Two Machine flow lines with two types of machine failures
2) An approx. analysis of K-station production lines.
- V. K. Kustagi and Suraj Rane, BVB Engg. College, Hubli, March 2001, National Seminar on Advances in Indl. Production Engineering.
- C. R. Venkataramana, International Conference of ASME, Illinois-USA, 24th Sept. 2001, Experimental Investigation of RB oil as alternate fuel for C.I Engines.
- Iven Jose, NCST, Bangalore, Java.
- Komala Soares, Control Net, Verna, VLSI Design.
- Deepa Majithia, N.I.O., Dona Paula, Applications of MATLAB

4.39 GOA INSTITUTE OF MANAGEMENT STUDIES, CARANZALEM

(INFORMATION NOT RECEIVED)

4.40 VIDYA VDUS MANDAL'S INSTITUTE OF MANAGEMENT TRAINING & RESEARCH, MARGAO

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

- | | |
|---|--|
| A. Suresh Rao, M.B.A., Director, Mangmt | Rodney D'Silva M.M.S., Ass.Faculty, Managmt. |
| A. S. Nadkarni, LL.M., Principal, Law | V. G. Patil, M.Sc., Ass.Faculty, Statistics |
| G. Philips, M.Com.Ass.Faculty, Comm. & Acc. | Vinod Pawar, LL.M., Ass.Fac., Eco.& Law |
| Santosh Virnodkar, M.Com. Ass.Fac., Accounts | R. Singh, B.E.M.B.A., Ass. Fac., Management |
| V. Cuncoliencar, B.E.M.B.A., Ass.Fac., Managmt. | M. Ainapure, B.E.M.B.A., Ass.Fac., Managmt. |
| S. Mirajkar, B.E.M.B.A. Ass.Fac., Managmt. | M. Raiturkar, PGDCA, Ass.Fac., Computer |
| L. Bhat, B.Sc.DCA, Ass.Fac., Computer | R. V. Sarjyotishi, Ph.D. Ass.Fac., Managmt. |
| Manoj Kamat, M.Com. Ass.Fac., Comm. & Acc. | |

4.40.2 Highlights of the Research Activities:

The Faculty Members along with the Management Students have undertaken continuous varied project and research activities pertaining to the corporate sectors in Goa.

4.40.5 Seminar/Conference/Workshops, etc.

(a) Organised: (Title/Theme, Dates, Funding agencies, Name of the dept.).

Changing perspectives in Resource Management, Margao, 6th Aug. 2000.

Eco System Management, Panaji, 11th to 15th Sept. 2000, Ministry of Environment and Forest.

Eco System Management, Panaji, 19th to 23rd Feb. 2001, Ministry of Environment and Forest.

Workshop for Front Office Staff, Panaji, 13th to 14th Feb. 2001. Goa, Tourism Development Corp'n.

Workshop from Clerk cum Cashier, Vasco, 18th March 2001, Citizen Co-operative Bank Ltd.

4.41 INSTITUTE OF SAFETY, OCCUPATIONAL HEALTH AND ENVIRONMENT, PANAJI

4.41.1 List of Teaching Staff: (Name, Designation).

A. A. Desouza, M.Sc., D.A.M., LLB (Gen) PGDEE, Chemist

P. P. Usgaonkar, M.Sc., D.I.H., Labour Inspector

4.41.5 Seminars/Conferences/Workshops, etc.

(b) (i) Attended: Seminars/Conference: (Name of teacher, Theme of conference, Place, Dates, Title of paper).

A two day programme on Occupational Health, 8th & 9th January 2001, ISOHE.

(b) (ii) Attended: Workshop: (Name of teacher, Theme of workshop, Place, Date, Title of paper).

A. A. D'Souza & P. P. Usgaonkar, Techniques of Industrial Hygiene, CLI, Mumbai.

4.41.10 Any other Information

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

in Industrial Safety, first-Aid, etc. Dissertations are prepared by the students on topics related to Occupational Health & Environment

Dissertations by Students: Krishnadas Bhonsale, Environmental Management of the Estuarine Island Ecosystem in Goa; Devidas K. Gawas, Study of Industrialization and Pollution in Sattari taluka with special reference to Honda Industrial Estate; Hazifa Sattar, Management of Non-Biodegradable solid waste in Panaji Municipal Area; Vanajakshi Desai, Pollution control and waste management at Bethora Industrial Estate; Vaman Bandekar, Waste Management in a Distillery (McDowell & Co. Ltd.); N. P. S. Usgaonkar, Waste Management and pollution Control at E. Merck (I) Ltd. , Usgao; P. Suja Jayan, Microbiological quality of drinking water in the area of Panjim Municipal Council; Sameer A. Shinde, Study on chemical quality of drinking water in Goa; Mayank Pathak, Pollution Management in a pharmaceutical Industry; M. Anita Sadhasivan, Solid waste management in the ponds Municipal Council Area; Manju Sharma, Biosecurity Management in the 21 Century; Sonali Naik, Sustainable Eco-Tourism Management in Goa for the 21' Century; Em B. Fernandes, Solid waste Management in Margao Municipal Council Area.

4.42 INDIAN INSTITUTE OF LOCAL SELF GOVERNMENT, PANAJI

(INFORMATION NOT RECEIVED)

PART 5: RECOGNIZED INSTITUTIONS

5.0 List of Recognized Institutions:

1. Xavier's Centre Of Historical Research, Alto Porvorim
2. Malaria Research Centre, Panaji
3. Directorate of Archives, Panaji
4. National Institute of Oceanography, Dona Paula
5. National Centre for Antarctic & Ocean Research, Vasco-da-Gama.
6. Thomas Stephen Konlcani Kendra, Porvorim, Goa.

5.1 XAVIER' CENTRE OF HISTORICAL RESEARCH, ALTO PORVORIM

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

Delio de Mendonca, Ph. D., *Director*
Cajetan Coelho, Ph. D

Menino Pereira, *Administrator*
Victor Mendonca, Portuguese Lang. *Teacher*

5.1.2 Highlights of the Research Activities:

Offers research facilities and guidance respectively in areas related to Goan history in particular and Indo-Portuguese history in general. The XCHR has published several monographs so far and the XCHR studies Series No. 22, Conversions and Citizenry. Goa under Portugal 1510-1610 by Delio de Mendonca ' will be released soon, as well as its Portuguese translation. Another book African Stories will be edited by Dello de Mendonca.

The Centre is conducting regularly Basis Portuguese Language courses as a tool for historical research.

5.1.5 Seminars/Conferences/Workshop, etc.

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

Entrepreneurship opportunities in Tourism, at the Institute of Hotel Management, Porvorim — Goa.

Spiritual Teachers of Maharashtra : Their Impact on Religion and Society at the Heras Institute for Indian History and Culture, Mumbai.

International Conference on Peace organised by the World Peace University of Prajapita Bralunakumari at Mount Abu in Rajasthan.

Dutch labour relations in Eastern India 1860 — 1914 at a seminar organised by the Nederlandse Taal Unie at the University of Leuven in Belgium.

War ethics of Chathrapathi Shivaji in his Confrontations with the Dutch in the Konkan Region. Department of South African and Dutch Studies at the University of Pretoria in South Africa.

Dutch Inscriptions on the Tombstones in the Kochi Graveyard at the Erasmus Centre of the Royal Dutch Embassy at Jakarta, Indonesia.

Jesus Yes, Church No, the Indian Why, at the Department of Religion, University of Utrecht, The Netherlands.

Delio de Mendonca , Hanlucuk University of Foreign Studies, South Korea, Seoul, "Languages and Globalization: The Attraction and Function of Portuguese Language on Asia."

5.1.6 Publications: (a) Research Articles :

Cajetan Coelho for the period 2000-2001. •

Articles published in the Gomantak Times

1. Dutchman Jan Huyghen Linschoten on Goan Identity
2. Prajapita Brahma : Goa 1976-2001
3. Sir Aurobindo : Swadeshism to Universalism
4. Globalisation : The Jesuit Style
5. Thomas Cook and Mass Tourism
6. Ancient Indian Peace Texts
7. Ambedkar's Struggle against Religion Hijackers
8. Women in Indian Scriptures
9. Techniques for the Rescue and Restoration of Human Rights
10. Fundamentalism — Dialogue — Liberation
11. Harmony in Employer — Employee ties
12. Marginalisation of Social Scientists
13. Empowering Nurses to Unleash Potential
14. Our Post Modern Child
15. Indo-Centric Jesus Christ
16. Building Bridges : The Sikh Style
17. The Pro-life Mahavira
18. Eco-Ethics : Humans versus Demons
19. Jesus — Bhatkar nor Mundkar
20. Women in Islamic Tradition
21. How to get Gracefully and Creavely
22. Harnessing Globalisation
23. Social Teachings of St. Francis Xavier
24. Restorative Justice Revisited

5.1.10 Any Other Information:

Delio de Mendonca spent two months (April-May) collecting material in the Archives at Lisbon and Rome for a work on "History of Jesuits in Goa".

The Xavier Centre of Historical Library has over 20,000 books. It has besides rare atlases, maps, Government reports, seminar papers, dissertations, bibliographies, newspaper clippings and photocopies of inaccessible documents and articles. It Houses the important 200 000 Mhamai House documents. The computerization of library will be undertaken soon.

5.2 MALARIA RESEARCH CENTRE, PANAJI

(INFORMATION NOT RECENED)

5.3 DIRECTORATE OF ARCHIVES, PANAJI

(INFORMATION NOT RECEIVED)

5.4 NATIONAL INSTITUTE OF OCEANOGRAPHY, DONA PAULA

(INFORMATION NOT RECEIVED)

5.5 NATIONAL CENTRE FOR ANTARCTIC as OCEAN RESEARCH, VASCO

(INFORMATION NOT RECEIVED)

5.6 THOMAS STEPHEN'S KONIUNI KENDRA, PORVORIM

(INFORMATION NOT RECEIVED)

PART 6: FINANCIAL STATEMENT

6.1 Grants:

6.1.2 Grants from University Grants Commission

1. Academic Staff College	Rs. 15,00,000.00
2. IX Plan Development Grant	Rs.54,00,000.00
3. Grants for Visiting Professors/Visiting Fellows	Rs.04,00,000.00
4. One time Grants for MMS Department	Rs.05,00,000.00
5. Grants for Major Research Project of Dr. S. G. Tilve, Dept. of Chemistry	Rs. 74,340.00
6. Grants for Major Research Project of Dr. S. M. Tadkodkar, Dept. Of Marathi	Rs. 1,22,,00.00
7. Computer Facility for ASC	Rs. 1,00,000.00
8. Partial Assistant for TA/DA to Dr. I. Furtado, Dept. of Microbiology	Rs. 72,730.00
9. Partial Assistant for TA/DA to Dr. S. P. Kamat, Dept. of Chemistry	Rs. 88,376.00
10. Other Grants-NET Exam.	Rs. 34,001.00

6.1.3 Grants Central Government Departments and other agencies:

1. Council of Scientific & Industrial Research	Research Project of Dr. S. G. Tilve, Dept of Chemistry	Rs. 67,500.00
	Research Project of Dr. S. Krishnan, Dept. of Botany	Rs. 9,46,085.00
	Res. Project of Dr. D. J. Bhat, Dept. of Botany	Rs. 6,30,000.00
	Res. Project of Ms Savita Kerkar, Dept. of Marine Bio-technology	Rs. 3,10,000.00
	Conference of Botany Dept.	Rs. 20,000.00
	Conference of Zoology Dept.	Rs. 20,000.00
2. Grants from Dept. of Ocean Development	Ocean Science & Technology Cell (OSTC)	Rs. 8,00,000.00
	Res. Project V. M. Matta, Dept. of Marine-Science.	Rs. 6,08,150.00
	Manpower Development Proj. Dr. S Mavinlcurve, Dept. of Microbiology.	Rs. 1,84,878.00
	Res. Project of Dr. Usha Murlidharan, Dept. of Bio-Tech	Rs. 2,78,000.00
3. Dept. of Science & Technology	Research Project of Dr. R. V. Pal Dept. of Physics	Rs. 5,50,000.00
	Res. Project of Dr. S. Krishnan Dept. of Botany	Rs. 4,50,000.00
	Research Project of Dr. D. J. Bhat, Dept. of Botany.	Rs. 75,000.00
	Research Project of Dr. A. G. Desai, Dept. of Geology	Rs. 2,00,000.00
	FIST Programme, Dept. of Physics	Rs. 30,00,000.00
	FIST Programme, Dept. of Zoology •	Rs. 30,00,000.00
	Training course in WNSIS university Library.	Rs. 12,000.00
	Partial Assistant for Travel to Dr. P. R. Sarode, Dept. of Physics & others	Rs. 1,66,778.00
4. Dept. of Bio-Technology	Post graduation course in Marine Biotechnology.	Rs. 5,20,000.00
	Res. Project Dr. Sangodkar, Dept. of Marine Biotech.	Rs. 13,28,000.00
	Marine BioTecluiology Co-ordinators meeting.	Rs. 35,000.00
5. Dept. of Environment Forest & Wild Life	Research Project of Dr. D. J. Bhat, Dept. of Botany.	Rs. 1,20,350.00
	Res. Project of Dr. S. Bhosle, Dept. of Microbiology	Rs. 1,38,000.00
6. Dept. of Atomic Energy, Mumbai	National Board of Higher Mathematics Library Books and Journals.	Rs. 2,35,000.00

7.	Atomic Energy Regulatory Board, Mumbai.	Post Doctoral fellowship to Stephan Dias Research Project of Dr. V. S. Nadkarni, Dept. of Chemistry.	Rs. 94,000.00 Rs. 84,196.00
8.	Inter University Consortium Indore	Res. Project of Dr. V. S. Nadkarni, Dept. of Chemistry	Rs. 8,58,000.00
9.	Department of Space	Res. Project of Dr. P. R. Sarode, Dept. of Physics	Rs. 7,126.00
10.	Indian Council of Social Science Research	Research Project of Dr. M. K. Janarthanam, Dept. of Botany.	Rs. 75,000.00
11.	Ministry of Non-Conventional Energy Sources	Res. Project of Dr. H. B. Menon Library Workshop	Rs. 4,10,000.00 Rs. 45,000.00
12.	Italian Embassy, New Delhi	Setting of Renewable Energy Park	Rs. 2,57,0 /5.00
13.	Dept. of Rural Development New Delhi	Salary to Italian Lecturer, Dr. Maria Rossy	Rs. 2,00,954.50
14.	Distance Education Council, IGNOU, New Delhi.	Research Project of Dr. A. G. Chachadi	Rs. 2,03,600.00
15.	SIDBI, Panaji.	Setting up DEITI	Rs.2,00,00,000.00
16.	Consultancy Project	SIAMP Programme Prof. A. B. Bhattacharya Dr. V. V. Kamat Dr. A. G. Chachadi Dr. S. Mavinkurve	Rs. 60,000.00 Rs. 78,320.00 Rs. 25,000.00 Rs. 39,120.00 Rs. 7,500.00
17.	Indian Council of Cultural Relations	Dr. A. G. Balsubramaniam Scholarships Shri Zambrano Miss. Yvetti Bartos Other Foreign Students Other Grants	Rs. 30,000.00 Rs. 12,000.00 Rs. 30,600.00 <u>Rs. 97,415.00</u> Rs. 1,40,015.00 Rs. 5,000.00

6.1.4 State Government Agencies:

a) Scholarships

1. Economically backward scholarships	Rs. 13,545.00
2. National Scholarships PG Students	Rs. 2,400.00
3. Post Metric Scholarship SC Students	Rs. 62,463.00
4. Educational Concession to the children of Freedom Fighters	Rs. 16,400.00
5. N.S.S	Rs. 8,13,306.00

b) Grants from Goa State Council for Science & Technology

1. Research Project of Dr. A. B. Shanbhag, Department of Zoology.	Rs. 64,000.00
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c) Directorate of Planning, Statistic & Evaluation.

Plants Fungus Bio-Diversity Research Proj. Dr. D. J. Bhat. Dept. of Botany	Rs. 9,58,000.00
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6.2 Endowments:

1. Shri Julious A. Nazareth	Rs. 25,000.00
2. M/s V. M. Sangodkar	Rs. 25,000.00

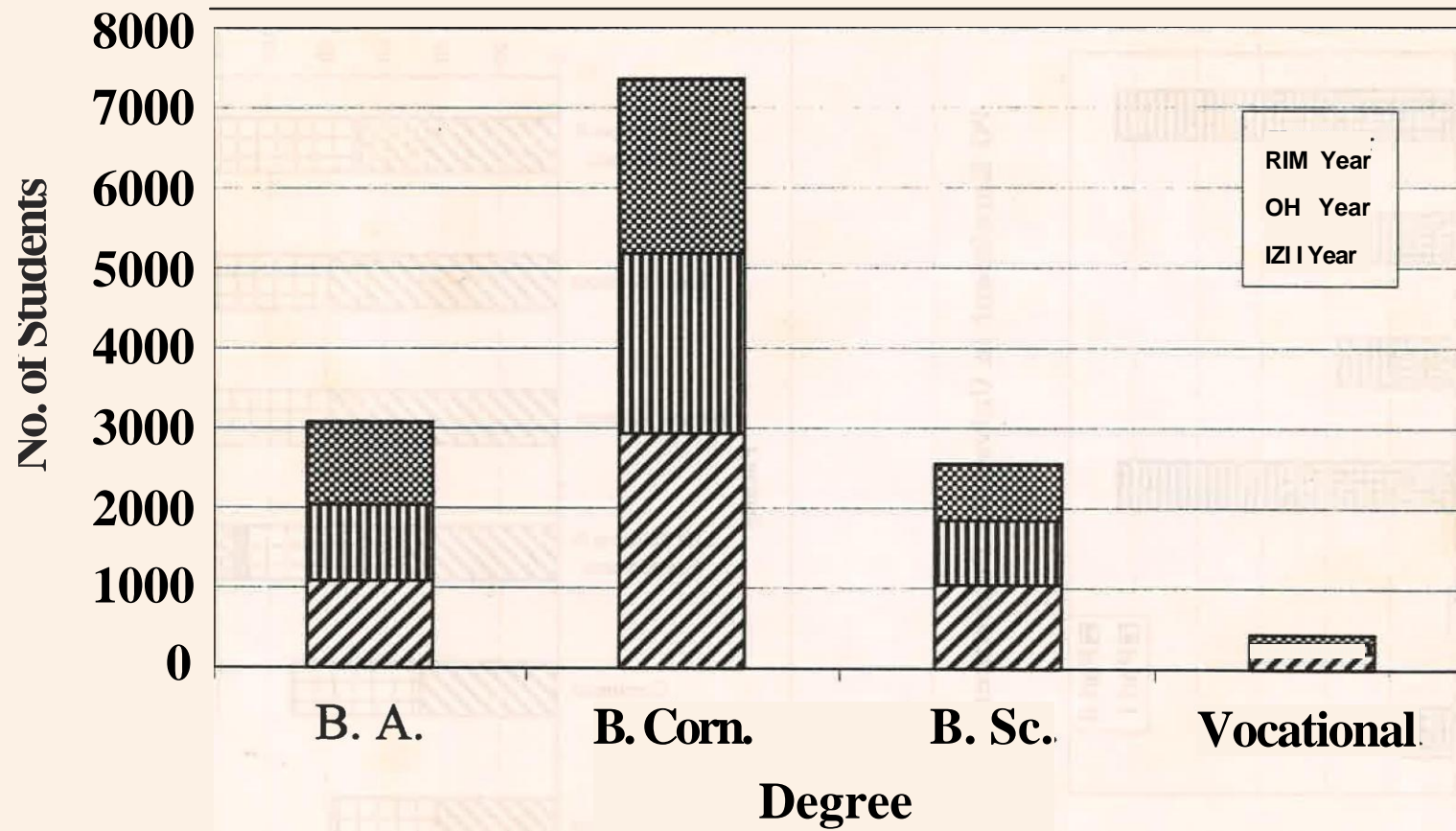
6.3 Expenditure (Rs. in LaIchs)

	Budget Estimates (2000-2001)			Revised Estimates (2000-2001)		
	Recurring	Non-Recurring	Total	Recurring	Non-Recurring	Total
Plan	466.29	243.66	709.95	372.21	104.48	476.69
Non-Plan	722.64	4.00	726.64	635.82	----	635.82

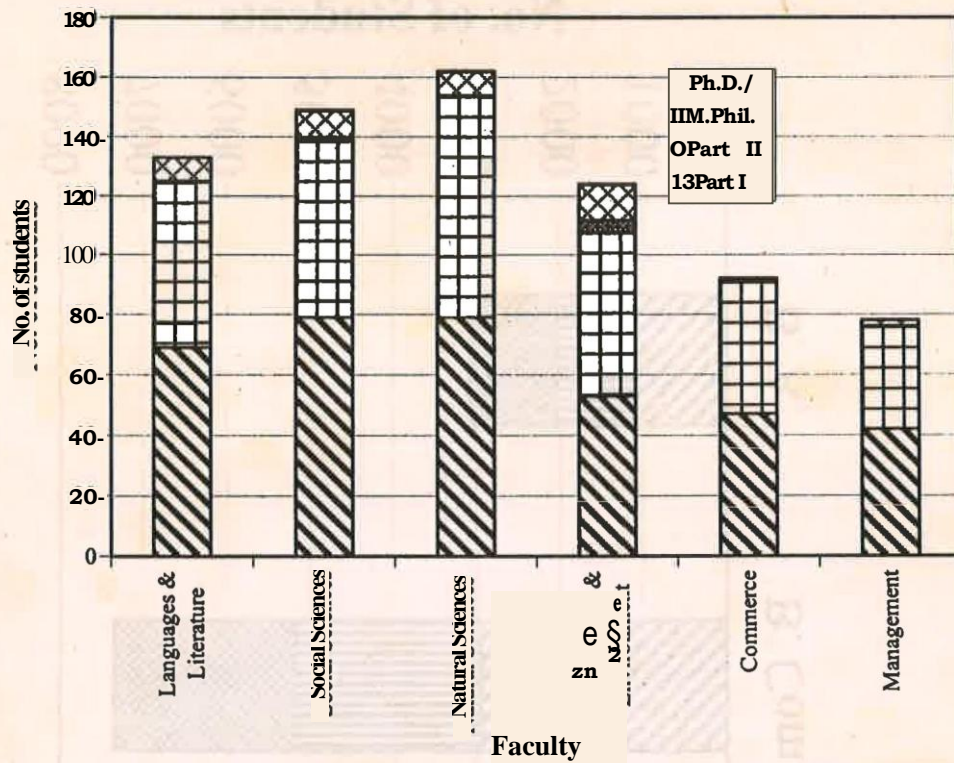
	Actuals (2000-2001)			Budget Estimates (2001-2002)		
	Recurring	Non-Recurring	Total	Recurring	Non-Recurring	Total
Plan	403.80	93.81	497.61	495.99	72.11	568.10
Non-Plan	608.05	--	608.05	761.04	----	761.04

TO ERR IS HUMAN, ERRORS IF ANY MAY BE KINDLY INTIMATED TO PUBLICATION UNIT

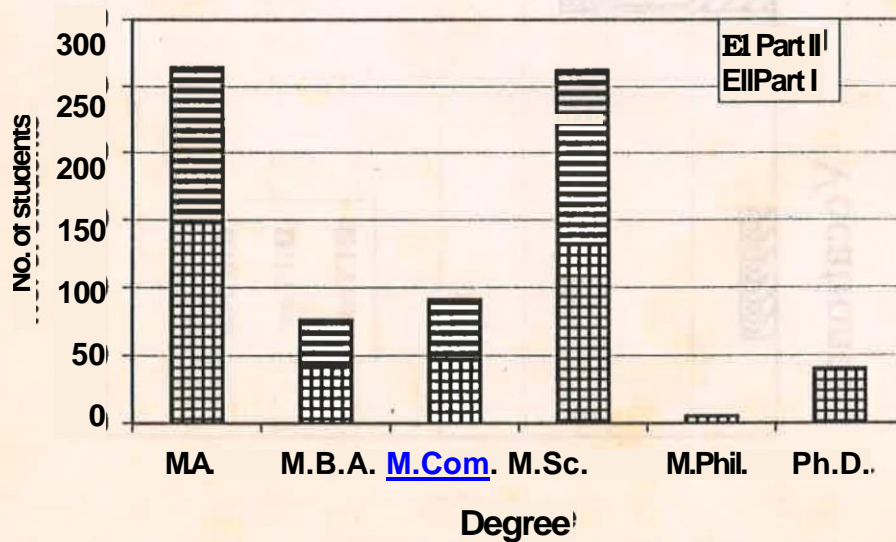
Students Enrolment in UG (non-professional) courses



Students Enrolment in PG (University Departments) courses



PG Enrolment in University Departments





National Assessment and Accreditation Council

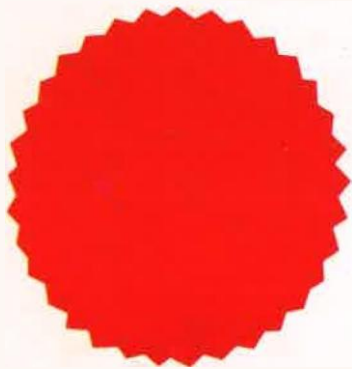
**An Autonomous Institution of the University Grants Commission
. Bangalore**

CERTIFICATE OF ACCREDITATION

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team, is pleased to declare the*

**Goa Uttirersit,
Goa, as
Accredited'
at the Four star level²**

(among the Universities)



Chairman

Date: March 22, 2001

- 1. This certification is valid for a period of 5 years with effect from the assessment academic year²⁰⁰⁰⁻²⁰⁰¹**
- 2. An institutional score(%) in the range of 55-60 denotes one star, 60-65 two stars, 65-70 three stars, 70-75 four stars, and 75 and above five stars (upper limit exclusive).**



H.E. Governor of Goa and Chancellor, Goa University awarding Ph.D. degree to Mr. Harishchandra Tukaram Nagvenkar in the subject of Economics



Dr. A. P. J. Abdul Kalam addressing the Goa University Annual Convocation - 2001