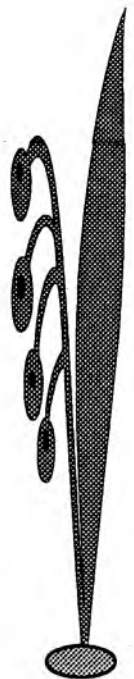




A UNIVERSITY STANDS FOR HUMANISM, FOR TOLERANCE, FOR REASON, FOR THE ADVENTURE OF IDEAS AND FOR THE SEARCH OF TRUTH. IT STANDS FOR THE ONWARD MARCH OF THE HUMAN RACE, TOWARDS EVER HIGHER OBJECTIVES. IF THE UNIVERSITIES DISCHARGE THESE DUTIES ADEQUATELY, THEN IT IS WELL WITH THE NATION AND WITH THE PEOPLE ■

— Jawaharlal Nehru

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# P R E F A C E

I have the pleasure of presenting the Eighth Annual Report of Goa University for the academic year 1992-93. The report covers the period from June, 1992 to May, 1993.

The presentation of the report has been done in six chapters. Chapter I deals with the University Bodies like the Executive Council, the Academic Council, the Court, the Planning Board and the Finance Committee. The details of these bodies are given in the Chapter and in Annexures I, II, III, IV and V.

Chapter II deals with the academic programme. This covers the Faculties, the Departments, the affiliated Colleges and recognised Institutions. The number of the Post-graduate Teaching Departments is 23. In addition, the Centre for Latin American Studies and Women's Studies continued to function during the year under report along with the Academic Staff College. Other details are given in Annexure VI. The number of Colleges, both professional and other than professional, affiliated to the University is 29. The number of recognised institutions is 5. One more college for imparting instruction in Nursing has been affiliated to the University during the year 1992-93. The other details of the affiliated colleges and recognised institutions are given in Annexure VII. A list of affiliated colleges and recognised institutions is given in Annexure VIII.

Chapter III deals with infrastructural development. This gives the details of the infrastructure like the buildings, roads, transport, electricity, water supply, sewerage, postal services, Banking services, etc. Chapter IV deals with the administration. The details of financial position of University is given in this chapter. The expenditure of the University and other details regarding the officers of the University are given in Annexure IX, X and XI. Chapter V deals with the Library and Chapter VI deals with student activities.

During the year under report, the University has made notable progress. In our efforts to make this University a centre of Excellence and also to explore new frontiers of knowledge, we have been strengthening considerably the infrastructure for developing the existing Departments/Centres and planning for new hi-tech areas for providing opportunities for learning and research for younger generations. We have also encouraged N.S.S. and other students' welfare activities. We organised seminars and lectures on various topics and through them kept the students and teachers informed about the latest developments in the academic and social fields.

I place on record my deepest sense of gratitude to the Visitor for his valuable support, to the Government of Goa for its maintenance and developmental grants, to the University Grants Commission and the Central Ministries concerned for the financial support under specific schemes, to the members of the Executive Council, the Academic Council, the Court, the Planning Board and to the several Boards of Studies for their sincere support and full cooperation at every stage in implementations of the various academic, administrative and other activities undertaken by the University.

I appreciate the efforts of our faculty to raise the level of standards in our University. Similarly, I appreciate the positive response in all sectors of learning we have had from our student Community, for whose future, we all strive. I am also thankful to the administrative staff for their unstinted and constant endeavour to improve the functioning of the University.

University Offices,  
Taleigao Plateau.  
February, 1994.

Dr. P.R. DUBHASHI  
Vice-Chancellor

## CHAPTER I

### UNIVERSITY BODIES

The Vice-Chancellor, on behalf of the Executive Council, has great pleasure in presenting to the Court the Annual Report of the University for the year 1992-93 as required under section 26 of the Goa University Act, 1984. Established on 1st June, 1985 as an affiliating-cum-teaching institution of higher learning, Goa University has completed the eighth year of its existence.

#### I. AUTHORITIES OF THE UNIVERSITY:

Separate list of the members of the Executive Council, the Academic Council, the Court, the Planning Board and the Finance Committee are given in Annexures I, II, III, IV, and V.

The details regarding the meetings of the Court, the Executive Council, the Academic Council, the Planning Board and the Finance Committee and the important decisions taken by these authorities during the year under reference are as follows:—

#### THE COURT:

Under Section 26 of the Goa University Act, 1984 the Court held one meeting during the year under report. The important decisions taken by the Court in this meeting are given below:—

1. consideration of the Audit Report and Annual Accounts of the University for the year 1989-90.
2. Consideration of the Financial Estimates of the University for the year 1992-93 and the Revised Estimates for the year 1991-92.
3. Consideration of Annual Report of the University for the year 1990-91.

#### THE EXECUTIVE COUNCIL:

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

##### (i) RELATING TO UNIVERSITY BODIES:

1. Nominations by the Executive Council on the various University Authorities and Committees.
2. Nomination of a member of Executive Council on the Sports Council of the Goa University.
3. Appointment of Building Committee.
4. Reconstitution of the University Authorities.

5. Amendment to Statute S. 38.5 relating to the representation of teachers (Other than Deans and Professors) of the University Teaching Department on the Academic Council of the University.

##### (ii) POLICY MATTERS:

1. Repeal of Goa University Employees Medical Attendance and Reimbursement Rules 1985 - Statute S.51.
2. Reservation of teaching posts for SC/ST and OBC.
3. Consideration of the resolution of Academic Council for appointment of One-Man-Commission under Statute S.100.
4. Amendments to Ordinance No. 0.19.6(ii).
5. Consideration of proposed amendments to Statute S.41 relating to the constitution of University Faculties.
6. Amendment to Statute S. 38.1 relating to the constitution of the Academic Council.
7. Consideration of the draft Ordinance relating to the constitution of the Board of Evaluation.
8. Statutes prescribing service conditions of the non-teaching staff of the Goa University.
9. Terms and conditions of re-employed Pensioners.

##### (iii) <sup>NEL</sup> PERSONAL MATTERS:

1. Repatriation of the services of an Architect Shri S.A. Jawaid.
2. Recognition of persons as a teacher of the University for M.D. in Pathology under this University.
3. Recognition of person as a teacher of the University for M.D. (Obstetrics & Gynaecology) under this University.
4. Recognition of person as a teacher of the University for guiding Ph.D. students in the subject of Marine Science (Physical Oceanography).
5. Creation of new post of Field Assistant and Additional post of 5 Malis/Gardeners.
6. Extension of contract with M/s. Agnelo Security Agency for the period of one year from 1.9.1992 to 31.8.1993.
7. Re-employment of Dr. S.S. Kulkarni, Reader in the Department of English on attaining the age

of retirement i.e. 60 years upto the last day of the current academic year 1992-93.

8. Extension of contract of Shri K. R. Puranik, Project Engineer on contract basis.
9. Recognition of person as a teacher of the University for guiding Ph.D. students in the subject of Marine Science (Marine Zoology).
10. Recognition of person as a teacher of the University for Medical degree and diploma (Paediatrics) under this University.

(iv) **ACADEMIC MATTERS:**

1. Appointment of Dr. V.G. Tikekar as Professor of M.C.A. in the University by invitation.
2. Amendment to Ordinance 0.21.23 relating to the Internal & External components for M.A./M.Sc. restructured courses.
3. Amendments to ordinance 0.22.4.2 relating to the written test under the scheme of change of Faculty/Subject.
4. Award of prizes at post-graduate examinations.
5. Amendment to ordinance 0.26 regarding M.Phil, degree course.

(v) **FINANCIAL AND ACCOUNTS MATTERS:**

1. Adoption of Annual Accounts for 1991-92.
2. House Building advance and Conveyance Advance for the employees of the Goa University.
3. Introduction of Group Saving Linked Insurance Scheme for Academic and Administrative Staff of the University.
4. Revised Estimates for the year 1992-93 and Budget Estimates for the year 1993-94.

(vi) **LEGISLATIVE ADDENDA, AMENDMENTS, ETC.:**

During the year under report one more Statute was added to the existing ones. It is as under:

- S.113 — Statute relating to Goa University Employees Medical Attendance and Reimbursement Rules. (The Statute is made in supersession of Statute S.51 of this University).

**AMENDMENTS:**

1. S.38.1 — Relating to number of members of Academic Council.
2. S.41 — Statute relating to the constitution of University faculties.

**Ordinances:**

1. O.21.23 — Relating to result of external examination.
2. O.22.4.2 — Relating to a written test consisting of two papers.

**Addendum:**

Statute S. 133 — Relating to Medical Reimbursement.

**ACADEMIC COUNCIL**

The important decisions taken by the Academic Council in the meetings are given below:—

1. Ordinance and regulations relating to the four year degree course of Bachelor of Engineering (Revised) in Civil, Mechanical, Electrical, Electronics & Telecommunication and Computer Engineering.
2. Ordinance and regulations relating the examination for the degree of Master of Engineering in Foundation Engineering and Industrial Engineering.
3. Review of ordinance 0.13 regarding Board of Studies in various subjects.
4. Recognition of Senior Secondary School Examination of Human Resource Development for admission to Under - Graduate courses in this University.

**PLANNING BOARD:**

The important decision taken by the Planning Board in the meetings are given below:

1. Income Earning Programme of the University.
2. Introduction of new courses in the University such as a course in Journalism, Diploma in Environmental Pollution Control Technology etc.

**FINANCE COMMITTEE:**

The important decisions taken by the Finance Committee in its meetings are given below:

1. Annual Accounts of Goa University for the year 1991-92.
2. Review of Financial position.
3. Consideration of the Revised Estimates for the year 1992-93 and Budget Estimates for the year 1993-94.



## CHAPTER II

### ACADEMIC PROGRAMMES:

Goa University completed its shifting of all the teaching Departments and other facilities to Taleigao Campus during the year under review.

#### A. Post-graduate:

##### (i) FACULTIES & DEPARTMENTS:

Till 1992-93 the following departments were functioning in the University:

- (i) Faculty of Languages: English; Hindi; Konkani; Marathi; French; Portuguese.
- (ii) Faculty of Social Sciences: Economics; History; Political Science; Sociology; Philosophy.
- (iii) Faculty of Natural Sciences: Mathematics; Physics; Chemistry; Geology; Computer Science & Technology.
- (iv) Faculty of Life Sciences & Environment: Botany; Zoology; Microbiology; Marine Biotechnology; Marine Science.
- (v) Faculty of Commerce: Commerce.
- (vi) Faculty of Management Studies: Management Studies.

**New Courses:** The University started the course of M.Sc. (Electronics) in the academic year 1992-93.

The course consists of a three-year duration. The M.Sc. degree could be awarded at the end of the second year while the M.Tech. degree could be awarded at the end of the third year.

##### (vii) MULTIDISCIPLINARY CENTRES:

A Centre for Latin American Studies sanctioned by the University Grants Commission, has also been functioning. To begin with, courses in History and Political Science related to the Latin American countries have been offered at the M.A. level. Similarly, a Centre for Women's Studies, sanctioned by the University Grants Commission has also been functioning.

##### (viii) ACADEMIC STAFF COLLEGE:

This University is one of the 55 universities in the country selected by the University Grants Commission for setting up of an Academic Staff College which started functioning early in 1988-89. The jurisdiction of this Staff College extends not only to the area of this University, but also to that of Shivaji University and four districts under the University of Bombay.

##### (ix) KONKANI ENCYCLOPAEDIA

The University has undertaken a project of preparation of Konkani Encyclopaedia to cater to the needs of the scholars as well as of the common man knowing Konkani. Encyclopaedia information will be classified into various subjects. The Encyclopaedia will contain entries relating to general knowledge but emphasis will be laid on information regarding the Konkani speaking region, its people, history, geography, art and culture, customs and manners, etc.

The Encyclopaedia will consist of about 3000 pages in three volume around 1000 pages each. The Source material will be based on information available in English, French, Portuguese, Hindi, Konkani, Marathi, Kannada, etc. and from specialised works. Original articles on local topics that have not been already dealt with in other works, will be written by scholars conversant with project. Illustrations will be given wherever necessary.

The first volume of the Konkani Encyclopaedia containing 1200 entries, 900 pages and about 250 illustrations was released on 30th November, 1992 at the hands of eminent Kannada writer, Dynanpith award winner and Kannada Encyclopaediast, Dr. Shivram Karanth in a special function presided over by the Vice-Chancellor Dr. P.R. Dubhashi.

The work of the second and third volume is in progress and it is expected that these volumes will be released by 1994.

This project will be first of its kind in Konkani and will go a long way in provid-

ing valuable information to Konkani readers.

**B. Affiliated Colleges :**

In all 30 colleges covering a wide spectrum of academic disciplines have been affiliated to Goa University.

They are:

- (a) Arts, Science & Commerce
- (2) Medicine, Dentistry, & Pharmacy
- (3) Law
- (4) Education
- (5) Home Science
- (6) Engineering & Architecture
- (7) Fine Art
- (8) Music

of the affiliated colleges, 10 are Government colleges and the rest under private managements.



## CHAPTER III

### INFRASTRUCTURAL DEVELOPMENT

The young University Like Goa University has to build up its own infrastructure. The University is fortunate in having its campus over a plateau of 173 hectors over looking the Zuari river and the sea. However, on the Campus there came up a complex of buildings for carrying out various activities of the University. The administrative offices, faculty blocks and 92 numbers of residential quarters and bungalows have been completed. The administration has shifted to its new block on the campus in January, 1990 and is functioning there. The blocks for the Pure Sciences and Applied Science faculties are occupied by the faculties concerned. The block for faculty of Arts, Humanities and Social Sciences is completed and occupied. By now the basic infrastructural facilities like roads, transport, electricity, water supply, sewerage, etc. are completed. The University has also provided Post Office, Banking, Guest House, Kiosks, and Canteens. The Boys and Girls Hostels have been constructed and occupied by students. The construction work of the University Library Building, a modern Glass House, and USIC Building are in full swing.





**CHAPTER IV**  
**ADMINISTRATION**  
**FINANCIAL POSITION :**

(A) Grants from the State: As a State University, the University is supported by maintenance and development grants from the State Exchequer.

(B) Grants from University Grants Commission: The following grants were released as shown below for the year 1992-93:

1. Academic Staff College	Rs.17,50,000.00
2. Grants for M.C.A. Department	Rs. 2,00,000.00
3. Joint UGC-CSIR Research Fellowship	Rs. 32,100.00
4. Unassigned Grants	Rs. 1,14,157.00
5. University Science Instrumentation Centre	Rs. 4,95,000.00
6. 80th Indian Science Congress	Rs. 3,00,000.00

(C) The following grants have been received from the Central Government Departments and other agencies for the year 1992-93 (Names of the individual members connected with the project are indicated in the bracket).

1. Council of Scientific & Industrial Research	CSIR Fellowship	Rs. 84,735.00
2. — do —	Project of Interaction (Dr. S. Mavinkurve)	Rs. 45,200.00
3. — do —	Development of Industrial & Auto-Exhaust gas treatment catalysts (Dr. A.V. Salkar)	Rs. 1,67,500.00
4. Department of Science & Technology	Petrology of Xenolith bearing alkaline dyke swarm associated with Deccan volcanism South of Bombay (Dr. A. G. Dessai)	Rs.11,30,000.00
5. — do —	Organisation of IV SERC School in Nuclear Physics - (Dr. R.B. Prabhu)	Rs. 4,85,000.00

6. Department of Biotechnology	Post-graduate course in Marine Biotechnology	Rs. 6,33,000.00
7. — do —	National Science Day	Rs. 54,616.00
8. — do —	Application of Natural & Recombinant Micro-organisms to Biosurfactant production, oil spill degradation & pollution control (Dr. U.M.X. Sangodkar)	Rs.18,63,000.00
9. Indian Council of Cultural Relations	Scholarship to Angolan students	Rs. 10,000.00
10. Indian Council of Historical Research	Maritime Policies & the State of Knowledge of Sea in Portuguese, Goa.	Rs. 11,875.00
11. Deptt. of Environment Forest & Wild Life	Mining Activity & its impact on water chemistry, Microbial Ecology & Environment, Bicholim Taluka Western Ghat, Goa. Possible restoration measure - (Dr. U.M.X. Sangodkar)	Rs. 1,27,000.00
12. — do —	Texonomic & Ecological Survey of the Lakshdweep for Perumal Marine Park - (Dr. C.L. Rodrigues)	Rs. 57,300.00
13. Dept. of Non-Conventional Energy Sources, Ministry of Power & NES	Energy Plantation & Demonstration Programme on 50 Ha. of land of Goa University	Rs. 1,00,000.00

14. National Board of Higher Education	Library Books & Furniture for Mathematics Dept.	Rs. 50,000.00
15. Shastri Indo-Canadian Institute	Development of Indo-Canadian Studies in the University	Rs. 1,00,000.00
16. Indian Council of Philosophical Research	JRF for Project 'The Essence of Human/Existence Consciousness' - (Ms. M.N. Menezes)	Rs. 20,500.00
—do—	JRF to Mrs. Milan B. Desai	

(C) The following have been received from the State Government Departments for the year 1992-93:

1. Goa State Council for Science & Technology	Survey & identification of edible Mushrooms of Goa - (Dr. S. Mavinkurve)	Rs. 70,500.00
2. — do —	Research & Development of Fuel Cell.	Rs. 47,600.00
3. Goa State Council for Science & Technology	Medical Plants of Goa Chemical Examination in search of Bioactive compound (Dr. S.K. Paknikar)	Rs. 44,800.00
4. — do —	Studies in Improving garbage disposal system in Goa (Dr. Joe D'Souza)	Rs. 59,000.00
5. Goa Govt. Grant-in-Aid	Construction of Glasshouse & Accessories.	Rs.6,00,000.00

## CHAPTER V UNIVERSITY LIBRARY

The Goa University Library came into existence with the establishment of Goa University in June, 1985. The treasure of books, magazines and other material of the University has been enriched year after year. Today, the total collection has reached to 65,000 volume of books, covering a number of disciplines under Humanities, Science and Social Sciences, covering wide range of subjects like Philosophy, Sociology, Politics, Economics, Education, Languages and Literature in English, Hindi, Marathi, Konkani, French and Portuguese, Mathematics, Computer Science, Physics, Chemistry, Geology, Marine Science, Microbiology, Zoology, Botany, Bio-Technology, Management Studies, Arts, History and Biographies.

The Library has a separate journal section which subscribes to 434 journals. some journals are also received as gratis. Besides, the Library consists of thesis and several dissertations. In addition, the special needs of Historical Research are catered through Prof. P.S.S. Pissurlencar Collection, which consists of 4486 books, journals, documents, photostat copies and microfilms. The Goa University has the following collection of books and journals which enriched the University Corpus.

- a) About 610 books from the heirs of Prof. Vithalrao Sukhtankar.
- b) About 80 books in Portuguese from Dr. Shridhar Tamba.
- c) A collection of about 467 books in Philosophy (of Prof. D. Andrade's Collection from the Bombay Philosophical Society, Bombay).
- d) About 519 books in Portuguese mainly concerned with Portuguese Literature of the 19th Century from Advocate Paul Mascarenhas in the memory of his late father.
- e) About 146-149 books in French and Portuguese from Prof. G.V. Katak.
- f) Collection of books/periodicals etc. No. 721 donated by Shri Carmo Azavedo on Goa and by Goan authors.
- g) About 324 books mostly on Ayurveda from Dr. Raghuvir P. Sinari.
- h) A collection of books numbering 289 in Portuguese from Shri Xavier De Monte Furtado.

- i) A collection of books numbering 1676 mostly Marathi from Shri Wamanrao Kundaikar.
- j) A collection of 125 books mostly Portuguese from the Xavier Centre for Historical Research, Porvorim.
- k) A collection of 68 books and some periodical mostly in Portuguese from Gulbemkian Foundation through Embassy of Portugal in India.
- l) A collection of about 499 books and magazines from Bertha Menezes Branganza.
- m) A collection of about 700 books in Marathi, Portuguese and English from Shri Anant R.S. Dhume.
- n) A collection of about 1000 books and more than 200 journals belonging to Shri S. Amonkar.
- o) A collection of about 300 books on Canadian Literature received from Shastri Indo-Canadian Institute, New Delhi.
- p) A collection of about 585 books mostly in Philosophy from Dr. G.N. Lawande.

A collection of books mostly in Portuguese received from Mr. Nuno Gonsalves from Portugal has further enriched the Library as far as study of Indo-Portuguese relations are concerned. There are 2944 books and journals in this collection. Computerised list subjectwise, titlewise and authorwise is available.

Also the USIS Library, Alliance Francaise and British Council Library donate books regularly to the University Library. This includes 190 books especially in Latin American Studies in the USIS Collection. They are in Spanish.

## II. Working Days :

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

The normal timings of the Library are 9.00 a.m. to 6.00 p.m. on week days and 10.00 a.m. to 5.30 p.m. on 1st, 3rd and 5th Saturday of the month.

## III. Readers and use of Library :

The University has 1000 registered readers including the staff members and several casual visitors, Inter Library exchanges of books and journals is encouraged and the journals are regularly exchanged with the Library of National Institute of Oceanography.

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

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

## IV. Other Materials:

Several maps and audio video/cassettes are collected by the Goa University Library.

### Bibliographical and Documentation Services:

Bibliographies of reading materials available in the Library were compiled and supplied on demand to staff members on special subjects. A list with the latest addition is circulated to the University Departments. Recently, an exhaustive list of periodicals holdings of the Library has been published. A Library hand-book giving details about the Library collection etc. has also been published. Exhaustive list of articles on Goa appearing on various journals is getting ready.

Recently Library has acquired PC/AT-386 under INFLIBNET Programme sanctioned by U.G.C.

### University Bindery:

Bindery Unit has ben opened to cater to the needs of day to day mending/binding of books and journals.

### Classifications and Cataloguing:

Books are classified according to Dewey Decimal Classification and subject and author (Main) catalogue are maintained. There are separate catalogues for collections. Moreover, the Library collection (Books & Journals) is on computer now. Serious Reader/Research students can avail the facility of having a print out of the holdings of the Library: authorwise, subjectwise etc.

## Activities :

An exhibition of books was held in the Library during November, 1992 to mark the 'National Book Week' having a theme 'Swami Vivekananda', 'Columbus's America', 'Goa After Liberation' and recent general works.

Participation in Seminars/Conferences/Workshops:

V.R. Navelkar participated in the seminar on INFLIBNET Programme held at Gulbarga University.

Training of Library Staff:

Shri Vivek Pissurlekar and Smt. Daya Mitragotri attended a training course on "Application of Computers to Library and Information Services" held at INFLIBNET programme, Ahmedabad from 20.11.1992 to 16.12.1992.



## CHAPTER VI STUDENTS ACTIVITIES

### A. SPORTS:

During the year the department organised the following inter-collegiate competitions:

1. Badminton (Men & Women)
2. Judo (Men)
3. Football (Men & Women)
4. X-Country (Men & Women)
5. Cycling (Men)
6. Kho-Kho (Men & Women)
7. Weight Lifting, Body Building & P. Lft. (Men)
8. Kabaddi (Men & Women)
9. Table Tennis (Men & Women)
10. Chess (Men & Women)
11. Volleyball (Men & Women)
12. Hockey (Men & Women)
13. Basketball (Men & Women)
14. Swimming (Men & Women)
15. Handball (Men & Women)
16. Tennikoit (Women)
17. Athletics (Men & Women)
18. Cricket (Men & Women)
19. Ball Tennis (Men & Women)

In addition to the above disciplines, Ball Tennis (Men & Women) and Cycling (Men) were introduced for the very first time during the year 1992-93.

At the All India Inter-University Tournament our Men and Women teams brought home a double crown winning the prestigious gold medals and displaying excellent football.

Our Athletic team which was due to participate at the Inter-University Tournament had to withdraw at the last minute due to riots in North India.

### COACHING CAMP:

The Sports Department organised a twenty one days coaching camp for football (Men & Women) with a view to prepare our teams to reap a rich haul of medals and retain the Football title and our footballers proved our point.

In order to encourage mass participation in sports and games the Directorate of Sports made a lot of changes in the organisation of Inter-Collegiate

Sports during the year. Unlike the previous years this year we organised many tournament on two zone basis stretching all the departmental resources of man power, time and money.

#### ATHLETIC MEET:

The VI Goa University Inter-Collegiate Meet was held w.e.f. 27th to 29th January, 1993 at Campal, Panaji. In all 265 Athletes from 20 affiliated colleges participated in the competitions. Two new records in 800 mts. and 10,000 mts. were set by the dedicated efforts of good Athletes. The Individual Championship for Women was bagged by Harsha Karpe of St. Xavier's College and Torcato Fernandes of M.E.S. College claimed the Men's Individual Title. The General Championship of the meet was won by St. Xavier's in Women's section and by Bandekar College in the Men's section.

#### Organisation of Inter-University Football West Zone Tournament 1992-93:

The Goa University was given the task of organising the West Zone Inter-University Football (Men) Tournament w.e.f. 18th to 25th November, 1992.

In all 13 teams participated in the West Zone Competition which was hosted at the esteemed International standard grounds of Jawaharlal Nehru Stadium, Margao.

Shri Francisco Sardinha, was the Chief Guest at the Opening Ceremony, Victor Gonsalves was the Guest of Honour and the Vice-Chancellor, Dr. P.R. Dubhashi, Goa University presided. Shri Sanjay Bandekar was the Chief Guest at the Closing Ceremony on the final day, Shri Ramakant Angle was the Guest of Honour while Shri G.V. Kamat, Registrar, Goa University, presided.

#### B. NATIONAL SERVICE SCHEME:

**Aims and Objectives:** The overall objectives of the National Service Scheme, as envisaged originally, was extension of service of the community offered by the students while under-going instruction in an educational institution. It was sought to create the social consciousness in the students and provide them with the opportunity to work with the people around the educational campuses creatively and constructively and to put the education they received to concrete social use. It has been felt that the primary aim of the scheme is to enable the students to elevate their personality and experience through community service. Its end use is the im-

provement of personality while service to the community is a means through which such improvement is sought to be achieved. The objective of the scheme as restated, is therefore, development of the personality of students through community service. This objective is sought to be achieved of enabling the students to:—

- 1) Understand the community in which they live.
- 2) Understand themselves in relation to their community.
- 3) Identify the needs and problems in the community in the solution of which they are involved.
- 4) Develop among themselves a sense of social and civil responsibility.
- 5) Apply their education in finding practical solution to individual and community problems.
- 6) Develop competence required for group living and sharing responsibilities.
- 7) Gain skills in mobilising community participation.
- 8) Acquire leadership qualities and democratic attitude.
- 9) Develop capacity to meet emergencies and natural disasters and practice national integration.

#### THE MOTO:

The motto or watch word of the NSS is "NOT ME BUT YOU". This expresses the essence of democratic living and upholds the need for selfless service and appreciation of the other man's point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of society as a whole. Therefore, it should be the aim of the NSS to demonstrate this motto in its day-to-day programme.

With a view to keep the above objectives in mind, the Goa University has enrolled 3000 volunteers from different colleges in Goa for the regular activities and 1500 for special camping programme.

Regular activities undertaken during the year 1992-93 are as follows:—

- 1) Arranged lecture and discussion on the Evil of Dowry.

- 2) Arranged literacy rally and meeting in adopted village.
- 3) Celebrated Independence Day and Sadbhavana Diwas.
- 4) Planted 600 trees and collected funds for Vivekanand Bharat Parikrama.
- 5) Archological Project
- 6) Illiteracy Survey
- 7) M.P.F.L.
- 8) Participation in Vivekanand Bharat Parikrama
- 9) Blood Donation Project.
- 10) Undertaken Adult Literacy
- 11) Created awareness about 'AIDS'
- 12) Two volunteers participated in R.D. parade 1992 at New Delhi
- 13) Organised Leadership Training Programme from 13th to 15th December, 1993 at Youth Hostel, Panaji, total 40 NSS volunteers participated in the programme from various colleges in Goa.

**SPECIAL CAMPS (Y.F.R.R.C.):—**

Many colleges successfully conducted the special camps in their adopted villages during October and December vacation.

**C. STUDENTS' WELFARE & CULTURAL AFFAIRS**

Goa University aims at total development of students community. Hence in addition to the academic programme, it gives great importance to co-curricular activities.

**Director: Dr. T.D. Halarnakar**

Directorate of Students' Welfare & Cultural Affairs undertakes curricular and extra-curricular activities of the students of Goa University. It also acts as a liaison body, for smooth interaction between the students and University authorities.

In order to administer the students activities, the Goa University has constituted two students bodies viz.

1. Goa University Students' Council, comprising the representatives of the colleges affiliated to Goa University.

2. Post-graduate Students' Union representing the Post-graduate Students only.

**Activities: Essay, Debates, Elocutions:**

1. Sri Naguesh Sardesai, student from Political Science, won prize in National Essay Competition organised by Rajiv Gandhi National Sadbhavana Award, New Delhi.
2. Goa University organised two Essay competitions for the students, sponsored by Centre for Latin American Studies and Rajiv Gandhi National Sadbhavana Award, New Delhi.
3. Goa University organised two Inter-Collegiate Elocution Competition for the students, sponsored by National Council for Cooperative Training, New Delhi and Anti Dowry Movement, Bombay.
4. Goa University organised Inter-University National Debating Competition on Cooperation sponsored by National Council for Cooperative Training, New Delhi.
5. Goa University won first prize in Inter-University Elocution Competition held at Poona organised by Anti Dowry Movement, Bombay. Shri Dinesh Lobo and Kum. Meeta Shastri represented Goa University.
6. Goa University participated in Inter-University Youth Festival (West Zone), organised by AIU at Bhavanagar, Gujarat and won prize in Quiz and qualified for National Youth Festival, held at Nagpur University, Maharashtra.
7. Goa University Students' Council, organised UNIGO '93, a Inter Collegiate Youth Festival.
8. The Post-graduate students of Goa University participated in Inter-Collegiate One Act Play Competition organised by Kala Academy, Panaji, Goa.
9. Goa University organised musical (Vocal) programme of Smt. Alka Deo Marulkar, in the University for the students and Staff.
10. Shri Purnanand Chari and Kum. Smita Hede from Post-graduate departments won first and second prize in Inter-Collegiate Poetry Competition, organised by Govt. College of Arts & Science, Khandola.
11. Kum. Sangeeta Manerikar, M.Com. student won second prize in Inter Collegiate Elocution com-

petition, organised by Maharashtra Information Centre. She also won second prize in Elocution Competition organised by K.B. Naik Memorial Trust.

12. Post-graduate Students' Union organised Inter-Faculty Sports Tournaments and Cultural Programme.
13. The N.C.C. Cadets from Dhempe College and S.S. Dempo College, undertook a massive tree plantation on the campus of Goa University.
14. Dr. T.D. Halarnakar, Director of Students' Welfare visited Mudurai Kamraj University (Karnatak) to study students activities/ services in these Universities.

## ANNEXURE - I

### List of the Members of the Executive Council

1. Vice \_ Chancellor  
Goa University - Chairman  
(Ex-Officio)
2. Dr. B.N. Desai - Member  
Director,  
National Institute of  
Oceanography,  
Dona Paula, Goa.
3. Shri A.P. Bhatikar - Member  
Chairman,  
Mormugao Port Trust,  
Mormugao, Goa.
4. Professor K.J. Mahale, - Member  
C/O Dr. Kiran Khanolkar,  
Deluxe Apartments,  
Tonca, Caranzalem,  
Goa - 403 002.
5. Shri Shivanand Salgaonkar, - member  
Industrialist,  
Vasco-da-Gama, Goa
6. Adv. Gurudas V. Naik - Member  
Menino Building,  
Ponda, Goa.
7. Professor A. H. Doctor - Member  
Dean,  
Faculty of Social Sciences,  
Goa University.
8. Dr. V.J. Monteiro - member  
Dean,  
Goa Medical College,  
Bambolim, Goa.
9. Shri D.V. Borkar, - Member  
Principal,  
Shree Damodar College of  
Commerce & Economics,  
Margao, Goa
10. Dr. S. K. Paknikar - Member  
Professor of Chemistry,  
Goa University.
11. The Secretary (Finance) - Member  
Government of Goa, (Ex-Officio)  
Secretariat,  
Panaji, Goa
12. The Secretary (Education) - Member  
Government of Goa, (Ex-Officio)  
Secretariat,  
Panaji, Goa
13. The Registrar, - Member-  
Goa University Secretary  
(Ex-Officio)

## ANNEXURE II

### List of the Members of the Academic Council

1. The Vice-Chancellor  
Goa University - Chairman  
(Ex-Officio)
2. Dean,  
Faculty of Natural Sciences  
Goa University - Member  
(Ex-Officio)
3. Dean,  
Faculty of Life Sciences  
& Environment,  
Goa University. - Member  
(Ex-Officio)
4. Dean,  
Faculty of Medicine - Member  
(Ex-Officio)
5. Dean,  
Faculty of Social Sciences - Member  
(Ex-Officio)
6. Dean,  
Faculty of Engineering &  
Architecture - Member  
(Ex-Officio)
7. Dean,  
Faculty of Law - Member  
(Ex-Officio)
8. Dean,  
Faculty of Performing Art  
& Music - Member  
(Ex-Officio)
9. Dean,  
Faculty of Languages - Member  
(Ex-Officio)
10. Dean,  
Faculty of Commerce - Member,  
(Ex-Officio)
11. Dean,  
Faculty of Management  
Studies - Member,  
(Ex-Officio)
12. Dr. R.B. Prabhu - Member  
Professor,  
Deptt. of Physics,  
Goa University
13. Dr. V.N. Kamat Dalal, - Member  
Professor,  
Deptt. of Chemistry,  
Goa University
14. Dr. U.M.X. Sangodkar, - Member  
Professor,  
Deptt. Of Marine Science,  
Goa University
15. Dr. V. Shivakumar, - Member  
Professor,  
Centre for Latin American  
Studies, Goa University
16. Dr. S. K. Paknikar, - Member  
Professor,  
Deptt. of Chemistry,  
Goa University
17. Shri D.S. Bhende, - Member  
Principal,  
S.S. Dempo College of  
Commerce & Economics,  
Altinho, Panaji.
18. Dr. (Miss) Z. Pabani, - Member  
Principal,  
Goa College of Home Science,  
Campal, Panaji, Goa.
19. Shri V.R. Shirgurkar, - Member  
Principal,  
Smt. Parvatibai Chowgule  
College of Arts & Science,  
Margao, Goa.
20. Shri P.N. Timble, - Member  
Principal,  
Govt. College of Arts  
& Commerce,  
Quepem, Goa
21. Dr. B.A. Gomes, - Member  
Principal,  
Govt. College of Arts,  
Science & Commerce,  
Sankhalim, Goa
22. Dr. K.M. Mathew, - Member  
Reader,  
Deptt. of History,  
Goa University
23. Dr. J.S. Budkuley, - Member  
Reader,  
Deptt. of Chemistry,  
Goa University



24. Dr. (Smt.) S.M. Noronha, - Member  
Lecturer,  
Deptt. of Economics,  
Goa University

25. Dr. M. Ganesh, - Member  
Lecturer,  
Deptt. of Mathematics,  
Goa University

26. Dr. I.K. Pai, - Member  
Lecturer,  
Deptt. of Zoology,  
Goa University

27. Shri Suresh Krishna Naik, - Member  
Smt. Parvatibai Chowgule  
Cultural Foundation's  
College of Arts & Science,  
Margao, Goa

28. Dr. Gorakh Nath Mishra, - Member  
Dhempe College of Arts &  
Science, Miramar,  
Panaji, Goa

29. Dr. Shyam Behari Dixit, - Member  
Professor,  
Goa Medical College,  
Bambolim, Goa

30. Dr. Atchut Bhalchandra Shanbhag, - Member  
Reader & Head,  
Deptt. of Zoology,  
Goa University

31. Shri Ganpat Govind Bhakhle,  
St. Xavier's College, - Member  
Mapusa, Goa

32. The Director of National - Member  
Institute of Oceanography, (Ex-Officio)  
Dona Paula, Goa

33. Dr. R.A. Mashelkar, - Member  
Director,  
National Chemical Laboratory,  
Poona

34. Dr. B.Nag, - Member  
Director,  
Indian Institute of Technology,  
Powai, Bombay

35. Dr. S.K. Gandhe, - Member  
Pro-Vice-Chancellor,  
Indira Gandhi National Open  
University, New Delhi

36. The Deputy Librarian, - Member  
Goa University (Ex-officio)

37. The Registrar, - Member -  
Goa University Secretary  
(Ex-Officio)

### ANNEXURE III

#### List of Members of the Court

1. The Vice-Chancellor, - Chairman  
Goa University (Ex-Officio)

2. Dr. S.G. Deo, - Member  
Dean,  
Faculty of Pure Sciences,  
Goa University

3. Shri M. N. Samant, - Member  
Dean,  
Faculty of Law,  
M.S. College of Law,  
Panaji

4. Shri C.S. Naringrekar, - Member  
Dean,  
Faculty of Fine &  
Performing Art,  
Goa College of Music,  
Kala Academy,  
Campal, Panaji.

5. Dr. (Miss) S. Mavinkurve, - Member  
Professor of Microbiology,  
Goa University

6. Dr. A.K. Joshi, - Member  
Professor of English,  
Goa University

7. Dr. S.K. Paknikar, - Member  
Professor of Chemistry,  
Goa University

8. Dr. R.B. Prabhu, - Member  
Professor,  
Deptt. of Physics,  
Goa University

9. Dr. V.N. Kamat Dalal, - Member  
Professor of Chemistry,  
Goa University.
10. Dr. V. Shivkumar, - Member  
Professor,  
Centre for Latin American  
Studies, Goa University
11. Dr. U.M.X. Sangodkar - Member  
Prof. of Marine Biotechnology,  
Goa University
12. Dr. (Miss) Zahira Pabani - Member  
Principal,  
Goa College of Home Science  
Dayanand Bandodkar Road,  
Campal, Panaji
13. Shri Cajetan P. Fernandes - Member  
Principal,  
Xaverian Educational Society's  
Fr. Agnel College of Arts &  
Commerce, Pilar, Goa
14. Shri D.L. Naik - Member  
Principal,  
C.E.S. College of Arts & Commerce,  
Cuncolim, Salcette, Goa
15. Dr. J.B. Fernandes, - Member  
Principal,  
Govt. College of Arts &  
Commerce,  
Khandola, Marcela, Goa
16. Shri G.G. Mayekar - Member  
Principal,  
V.N.S. Bandekar College of  
Commerce, Mapusa, Goa
17. Shri Satish G. Hegde, - Member  
Dept. of Management Studies,  
Goa University
18. Dr. Pallavolu M. Reddy, - Member  
Dept. of Marine Bio-Technology,  
Goa University,
19. Shri Errol Peter D'Souza, - Member  
Dept. of Economics,  
Goa University
20. Shri Kashinath G. Hiremath - Member  
Dhempe College of Arts &  
Science, Miramar, Panaji
21. Shri Suhas J. Godse, - Member  
Dhempe College of Arts &  
Science, Miramar, Panaji
22. Dr. Vinay N. Jindal, - Member  
Deptt. of Neuro Surgery,  
Goa Medical College,  
Bombolim, Goa
23. Dr. Pawan Kumar Chandra, - Member  
Goa Dental College & Hospital,  
Bambolim, Goa
24. Smt. Maria Luissa A.J. Valladares  
Carmel College for Women, - Member  
Nuvem, Goa.
25. Shri Ulhas G. Shetye - Member  
Melquides Building,  
Fr. Joseph Vaz Road,  
Vasco-da-Gama, Goa.
26. Shri C.S. Gokhale, - Member  
College of Engineering,  
Farmagudi, Goa
27. Shri Armando B. Coelho, - Member  
St. Xavier's College of  
Mapusa, Goa
28. The President, - Member  
Dhempe Charities Trust,  
Dempo House,  
Campal, Panaji, Goa
29. The Vice-President, - Member  
Chowgule Education Society,  
Mormugao Harbour, Goa
30. The Chairman, - Member  
University Students' Council, (Ex-Officio)  
Goa University
31. Admiral Jayant Nadkarni (Retd),  
B-341 Clover Garden, - Member  
4, Naylor Road, Pune 411 001
32. Prof. D.B. Wagh, - Member  
249 Shaila Telang Road,  
Matunga, Bombay - 19
33. Shri Ramesh Pai, - Member  
Chairman,  
T.A. Pai Foundation,  
Manipal, Karnataka

34. Dr. D.R. Sardesai, - Member  
President,  
The Asiatic Society of Bombay  
10-A Lands End,  
Malbar Hill,  
Bombay 400 006

35. Shri Shambhu Bhau Bandekar,  
Ex-Dy. Speaker, - Member  
H.No. 4/16-A, Tabrawado,  
P.O. Saleigao, Bardez, Goa

36. Shri Tukaram Gaunkar, - Member  
Principal,  
Higher Secondary Section,  
P.E.S. College,  
Farmagudi, Ponda, Goa.

37. Smt. Nirmala Sawant, - Member  
Marcela, Goa

38. Smt. Suman Pednekar, - Member  
Principal,  
District Institute of  
Education & Training,  
Alto Porvorim, Goa.

39. Shri D.P. Pednekar, - Member  
Deputy Registrar  
Goa University.

40. Registrar, - Member/  
Goa University. Secretary  
(Ex-Officio)

#### **ANNEXURE - IV**

##### **List of Members of the Planning Board**

1. Vice-Chancellor - Chairman  
Goa University (Ex-Officio)

2. Dr. S.C. Gupte, - Member  
Vice-Chancellor,  
University of Poona,  
Ganeshkhind, Pune.

3. Dr. S.G. Deo, - Member  
Dean,  
Faculty of Pure Sciences,  
Goa University.

4. Dr. V.A. Pai Panandikar, - Member  
Director,  
Centre for Policy Research,  
New Delhi

5. Dr. Rame Gowda, - Member  
Vice-Chancellor,  
Karnataka University,  
Dharwad.

6. Registrar - Member-  
Goa University Secretary  
(Ex-Officio)

#### **ANNEXURE - V**

##### **List of Members of the Finance Committee**

1. Vice-Chancellor - Chairman  
Goa University (Ex-Officio)

2. Registrar - Member  
Goa University (Ex-Officio)

3. Secretary (Education), - Member  
Govt. of Goa, (Ex-Officio)  
Secretariat,  
Panaji, Goa.

4. Secretary (Finance) - Member  
Govt. of Goa, (Ex-Officio)  
Secretariat,  
Panaji, Goa.

5. Shri A.P. Bhatikar, - Member  
Chairman, M.P.T.  
Mormugao, Goa.

6. Dean, - Member  
Faculty of Commerce & (Ex-Officio)  
Management Studies,  
Goa University.

7. Shri V.B. Prabhu Verlekar, - Member  
Chartered Accountant,  
Panaji, Goa.

8. Finance Officer, - Member  
Goa University Secretary

**ANNEXURE - VI**  
**UNIVERSITY TEACHING**  
**DEPARTMENTS FOR**  
**POST-GRADUATE COURSES**

The University has the following Post-graduate Departments :

**1. Faculty of Languages**

- 1.1 - Department of English
- 1.2 - Department of Hindi
- 1.3 - Department of Konkani
- 1.4 - Department of Marathi
- 1.5 - Department of French
- 1.6 - Department of Portuguese

**2. Faculty of Social Sciences**

- 2.1 - Department of Economics
- 2.2 - Department of History
- 2.3 - Department of Political Science
- 2.4 - Department of Sociology
- 2.5 - Department of Philosophy

**3. Faculty of Natural Sciences**

- 3.1 - Department of Mathematics
- 3.2 - Department of Physics
- 3.3 - Department of Chemistry
- 3.4 - Department of Geology
- 3.5 - Department of Computer Sciences & Technology.

**4. Faculty of Life Sciences & Environment**

- 4.1 - Department of Botany
- 4.2 - Department of Zoology
- 4.3 - Department of Microbiology
- 4.4 - ~~Department of Marine Bio-Technology~~
- 4.5 - Department of Marine Sciences and Marine Biotechnology

**5. Faculty of Commerce**

- 5.1 Department of Commerce

**6. Faculty of Management Studies**

- 6.1 Department of Management Studies

**7. University Centres**

- 7.1 Centre for Latin American Studies

7.2 Centre for Women's Studies

8.1 Academic Staff College

9.1 Konkani Encyclopaedia

**1.1 DEPARTMENT OF ENGLISH**

**Teaching and Research Staff :**

- |    |                         |                    |
|----|-------------------------|--------------------|
| 1. | Dr. A.K. Joshi          | Professor and Head |
|    | M.A., Ph.D.             |                    |
| 2. | Dr. S.S. Kulkarni       | Reader             |
|    | M.A., Ph.D.             |                    |
| 3. | Dr. Anand B. Patil      | Reader             |
|    | M.A., Ph.D.             |                    |
| 4. | Smt. Anita V. Vashishta | Lecturer           |
|    | M.A., M.Phil.           |                    |
| 5. | Dr. K. S. Bhat          | Lecturer           |
|    | M.A., Ph.D.             |                    |
| 6. | Smt. Kiran J. Budkuley  | Lecturer           |
|    | M.A.                    |                    |
| 7. | Shri A.R. Fernandez     | Lecturer           |
|    | M.A.                    |                    |

**Visiting Teachers :**

1. Dr. S.B. Gokhale, Reader, University of Poona visited the Department in November, 1992. He delivered 14 lectures to the M.A. students (Part I) in paper EN C 1 : Linguistics.
2. Dr. B. V. Nemade, Professor of Comparative Literature, University of Bombay, visited the Department to deliver a series of 12 lectures to the students of M.Phil. Part I in Paper I : (b) Language Teaching and Testing. He also conducted a viva-voce examination of a Ph.D. candidate in English during his visit in March, 1993.

**Details of Research Students :**

Name of the guiding Teacher	No. of Students	
	M. Phil.	Ph. D.
1. Dr. A.K. Joshi	5	2
2. Dr. S.S. Kulkarni	2	2
3. Dr. Anand B. Patil	5	—

1. Shri Ainodyn Aga has completed his Ph.D. during the academic year. He becomes the first student of the Department to complete his Ph.D. in English. He worked under the guidance of Dr. A.K. Joshi, Professor and Head of the Department.
2. Ms. Sandhya N. Bhandari Sequeira has completed her M. Phil. in English during December

'92. She worked under the guidance of Dr. F.A. Fernandes, Reader, Academic Staff College, Goa University.

3. Shri Andre Rafael Fernandez has submitted his M.Phil. Dissertation in English during the academic year. He worked under the guidance of Dr. S.S. Kulkarni, Reader in English.

#### **Research Project:**

Dr. A.K. Joshi: Work on a book on Sharacchandra Muktibodh is in progress. Expected to be completed by the end of this academic year.

#### **Visitors to the Department :**

Dr. Issac Sequeira, Senior Research Associate in ASRC, Hyderabad, visited the Department on 18th Sept. '92. He delivered a lecture on 'The Main Currents in American Literature'.

Mr. John Agard, a performance poet from United Kingdom was invited by the British Council to India. He visited the Department alongwith Mrs. Tehmi Morris, Assistant English Studies officer from the British Council on 28/1/93. He delivered a lecture on 'West Indian and Caribbean Poets'.

#### **Visits Abroad:**

Dr. Anand B. Patil visited Bangladesh to attend a 3 day International Conference on 28 - 30 Dec. 1992. The Conference was held at Dhaka by the English Association of Bangladesh. The major theme of the Conference was English Teaching in South Asia and South Asian Literature.

#### **Participation in seminars, Conferences and Workshops :**

##### **Dr. A.K. Joshi**

- 1) Participated in Seminars organised by the Department of Hindi and Marathi, Goa University.
2. Helped in the organisation of a seminar on Canadian Studies conducted at the Goa University on 11th & 12th March, 1993.
3. Helped in organising the Annual Conference of Indian Association of American Studies on 30th and 31st March, 1993.

##### **Dr. Anand B. Patil.**

1. Presented a paper at the International

Conference organised by the English Association of Bangladesh, Dhaka, on 28-30 Dec. 1992 and delivered two lectures on 'Indian Response to English Literature' at Dhaka and Jahagirnagar University in Bangladesh.

2. Presented a paper at Q - Club, Goa University on 19.9.1992.
3. Participated in Hindi Seminar on 27 - 28 Nov. 1992.
4. Participated in a Seminar on D.R. Bendre's Poetry, Panaji on 14.11.1992.
5. Presented a paper : Don Quixotism in Literary Tradition' at Seminar organised by Hindi Sangosti Mandal, Panaji.
6. Chaired one paper Reading Session at 27th Annual Conference of the Indian Association for American Studies held at Goa University on 29.3.1993.
7. Presented a paper at the Seminar on Goan Folklore held by the Department of History, Goa University on 16-17 April, 1993.

##### **Smt. Anita P. Vashishta**

1. Participated in the Canadian Seminar entitled Canada and India : A Comparative Perspective held at Goa University on 11 - 12 March 1993. Contributed a paper entitled Configurations : Perception and Perspective in Poetry of Atwood.
2. Participated in the Annual Seminar of the Indian Association for American Studies held at Goa University from March 29 - 31, 1993. Contributed a paper entitled Vicissitudes of Consciousness : Reality and Experience in the Play of Sam Shepard.
3. Participated in a Group Discussion and gave a talk entitled Don Quixote : Style and Influences at the Sahitya Samvad Literary Forum, Goa.
4. Participated in the I.C.S.S.R. Workshop on Goan Folklore : Theories, Perspectives and Methodologies held at Goa University from 16 - 17 April, 1993.
5. Participated in and attended the NLP - Teachers' Training Programme conducted by the Department of Computer Science, Pune University from 20th July, 1992 to 18th August, 1992.

**Dr. K.S. Bhat**

1. Participated in 'Theory' Seminar held by ASRC, Hyderabad from 17th Dec. to 19th Dec. 1992 and presented a paper titled "The Policies of Reading and the Birth of a Classic : Justaposing Moll Flanders with If Tomorrow Comes".
2. Presented a paper titled "The Prison House of History : Understanding the Making of Literature" during English Teachers' Retreat held at Sanquelim Govt. College in January, 1993.
3. Presented a paper titled "Romanticism Revisited" at Q Club.

**Smt. K. J. Budkuley**

1. Attended 25th Orientation Course at the Academic Staff College, Goa University from 3.9.1992 to 30.9.1992.
2. Presented a paper (at the meeting of All Goa College and University Teachers of English) entitled 'Life and Literature : The Inevitable Equation?'
3. Participated in the Seminar under the Canadian Studies Programme on the theme 'India and Canada : A Joint Perspective' at the Conference Hall, Goa University on 11 - 12 March, 1993.
4. Participated and chaired a session in the Seminar-cum-Workshop on, 'Language and Society : A Case for Konkani', organised jointly by Konkani Bhasha Mandal, Margao and the Department of Sociology, Goa University on 23 - 24 April, 1993.
5. Invited to speak on Don Quixote by Sahitya Samvad at Panaji, Goa.

**Shri A.R. Fernandez**

1. Attended a Seminar on Latin American Studies conducted by the Centre for Latin American Studies, Goa University, 3 - 4 February, 1993.
2. Participated in the International Seminar : "Canada and India : A Comparative Perspective", jointly organised by the Shastri Indo-Canadian Institute, New Delhi and Goa University, 3 - 4 March, 1993.
3. Assisted in conducting the Literature session at the 27th Annual Seminar of the Indian

Association for American Studies, held at Goa University 29-31 March, 1993.

**Research Publications and other Articles :****Dr. A.K. Joshi**

Work on two books was in progress during the academic year, one of them has since then been completed.

**Dr. A. B. Patil****Research Papers published :**

1. 'Whirligig of Taste : Decolonization of Teaching' in New Quest, Dec. 1993.
2. 'Whirligig of Taste : Impact or alienation' in Indian Literature, Aug. '93.
3. 'Mulakhatichya Nimitane Ek Utsav', Maharashtra Sahitya Patrika, March '93.
4. Preface to Biyana Dharalay Komb (Poems) Anil Patil, Indrayani, Pune, 1993.
5. 'Folkloristic Intertextuality in Goa Novels' Indian Scholar, July 1993.

**Books Published :**

1. Patalachi Paradeshwari - Kolhapur : Sanmitra, 11.3. 1993.
2. Short Stories : RASIK, MARATHWADA, Ugawai Diwali Special Issues 'Gurudas' reprinted in Abhinav Pradeshik Katha and auto Memoirs in Aikya, Satara Sahitya Sammelan Jan. '93, Patra, Anusthubh, April '93 'Alamchacha' Sakal, 7-1-93.

**Articles :**

1. 'Travelogue" From Bambolim to Bangladesh' serialised by The Navhind Times in English, Marathwada Daily and Sakal Weekly in Marathi.
2. Regular contribution to Konkani Vishwakosh.

**Radio Talks :**

1. Granth Amache Guru, AIR, Panaji - 17.11.1992.
2. Indianness in Raja Rao's Kantapura, AIR, Panaji on 21.1.1993.
3. Patra Katha, AIR, Panaji on 27.3.1993.
4. Towards Creativity, Yuvavani, AIR, 1.4.1993
5. R.K. Narayan as a Novelist, AIR, 24.4.1993.

### Special Speeches :

1. Presided over Bakibab Kavyotsav and Prize Distribution Ceremony organised by Bhasha Mandal and Konkani Kala Academy on 15 Aug. '92.
2. Presidential Address : Nagesh bab Karmali Felicitation Function at Pilar, Solidarity Forum 27.3.1993.
3. Interviewed by Professor Vandana Deshmukh, Amravati on 'Realistic Novels in Marathi and your contribution to it' for her Ph.D. thesis - 28.8.93.

### Dr. K.S. Bhat

"The Politics of Reading" in Punjab University Research Bulletin, Vol. 23 No. 2 Oct. '92.

### 10. Any other details :

#### Dr. A.K. Joshi

1. Gave an Inaugural Lecture on 'The Idea of English Studies' on 10th October '92 at Goa University.
2. Read a paper on 'Orientalism' at the Q Club.
3. Lectured at the Academic Staff College.
4. Examined a Ph.D. Thesis in English of a candidate from the University of Bombay.

#### Dr. A.B. Patil

1. Assessed the M.Phil. Dissertation of a candidate from University of Bombay.
2. Expert to recommend manuscripts for Publication Grant appointed by Maharashtra Sahitya ani Sanskrati Mandal, Bombay.
3. Member, Experts Panel in English, M.P.S.C. Bombay.
4. Member, Board of Studies in English and Board of Studies in Marathi at Goa University.
5. Delivered lectures to Students in Portuguese.
6. Organised a Yuvawani Programme in English with the students of M.A. Part II Creative Writing Class and it was broadcast by the All India Radio, Panaji, on 1st April, 1993. The programme included students' poems, stories and the discussion on "The Significance of Creative Writing in Life" and recitation of Tagore's poems.

## 1.2. DEPARTMENT OF HINDI

### Teaching and Research Staff :

1. Dr. B.R. Mishra Professor and Head  
M.A., Ph.D.
2. Dr. B.K. Sharma Reader  
M.A., Ph.D.
3. Dr. (Mrs.) Ishrat Bi Khan Lecturer  
M.A., Ph.D.
4. Dr. S.R. Tripathi Lecturer  
M.A., Ph.D.
5. Dr. R.N. Mishra Lecturer  
M.A., Ph.D.
6. Miss Chhaya Chodankar Lecturer  
M.A.

### Contributory Teachers :

1. Dr. A. P. Tripathi, M.A., Ph.D., Reader & Head, Department of Hindi, St. Xavier's College, Mapusa delivered 10 lectures to M.Phil. students.
2. Dr. C.S. Tiwari, M.A., Ph.D., Reader & Head, Department of Hindi, Dehmpa College of Arts & Science, Miramar, Panaji delivered 10 lectures to M.Phil. class.

### Visiting teachers:

1. Dr. S. K. Mishra, M.A., Ph.D., Professor & Head, Department of Hindi, S.V. University, Ballabha Nagar, Anand, Gujarat delivered 8 lectures to M.A. Part I, II & M.Phil. in November, 1992.

### Details of Research Students :

Name of the guiding Teacher	No. of Students M.Phil / Ph.D.
1. Dr. B.R. Mishra	— 4
2. Dr. B.K. Sharma	— 2
3. Dr. S. Tripathi	2 —

### Participation in seminars, Conferences and Workshops:

#### Dr. B.R. Mishra

- i) Addressed the 'Rashtriya Ekatmata Parishad' held by Gomantak Hindi Vidyapeeth at Ponda in September, 1992.

- ii) Chief Guest in the concluding session of Hindi Workshop conducted by N.I.O., Dona Paula in October, 1992.
- iii) Resource person in Hindi workshop held by Goa Shipyard, Vasco, in December, 1992.
- iv) Chief Guest at the concluding function of Hindi Workshop held by Goa Shipyard in February, 1993.

**Dr. B.K. Sharma**

- i) Symposium organised by Goa University teachers. Spoke on "Ayodhya Issue - In Multicultural Society".
- ii) Participation in discussion on Ayodhya issue organised by solidarity forum - Pillar.
- iii) Paper presented on 'Shamsher ka Kavya Sansar'.
- iv) Resource person in Hindi Workshop held by N.I.O., Dona Paula Goa in December, 1992.
- v) Presented paper in Seminar of 'Nayee Kavita Aur Nayee Kahanee mein Mohabhang held by Department of Hindi, Goa University dated 27th November, 1992.
- vi) Resource person in Hindi workshop held by Goa Shipyard Vasco on 5-12-1992.
- vii) Participated in Literary discussion of Hindi Lekhak Sangh - Hyderabad 31st December, 1992.
- viii) Resource person for Central Translation Bureau Workshop at Goa University on 11 - 12 - 1992.
- ix) Chief Guest in Hindi Workshop held by Indian Air Lines at Dabolim Air Port on 21-1-1993.
- x) Resource person in "Konkani Hindi Cassetts for C.H.I." New Delhi held at Vasco dated 27-1-1993 to 31-1-1993.

**Dr. (Mrs.) Ishrat Khan**

- i) Resource person in Hindi Workshop held by N.I.O., Dona Paula Goa in October, 1992.
- ii) Participated in Seminar on 'Nayee Kavita Aur Nayee Kahanee Mein Mohabhang' organised by the Department of Hindi, Goa University dated 27th November, 1992.

- iii) Resource person in Hindi Workshop held by Goa Ship Yard, Vasco in December, 1992.

**Dr. S.R. Tripathi**

- i) Symposium organised by Goa University Teachers - spoke on "Ayodhya Issue: In Multicultural Society".
- ii) Gave a talk on "Ayodhya Issue - in the seminar organised by the Solidarity Forum, Goa.
- iii) Participated in symposium organised by Bombay Patrakar Sangh at Club House at Churchgate, Bombay.
- iv) Attended seminars organised by Department of Marathi, Goa University during March, 1993.

**Dr. R.N. Mishra**

- i) Resource person in Hindi Workshop held by N.I.O., Dona Paula, Goa in October, 1992.
- ii) Resource person in Hindi Workshop held by Goa Ship Yard, Vasco, in December, 1992.
- iii) Gave a talk on Ayodhya Issue in Seminar organised by the Solidarity Forum, Pilar, Goa, in December, 1992.
- iv) Attended Canadian Studies Seminar organised by Academic Staff College, Goa University in March, 1993.
- v) Attended Seminar organised by Department of Marathi, Goa University.

**Miss Chhaya Chodankar**

- i) Attended and participated in discussion in one day seminar held in November, 1992 by Konkani Department on R.V. Pandit.
- ii) Participated in the History Seminar on 'Goan Folklore' held in March, 1993.

**Publications :**

**Dr. B.R. Mishra**

**Book :**

- i) Agyeya Aur Unaka Upanyas Sausar, Lok Bharati, Allahabad.

**Articles :**

- i) 'Doosari Vamachar' : Satya Ke Sakshatkar Ka Prayas - Roopamber (Calcutta) 92.



**Dr. B.K. Sharma**

**Books:**

- i) 'Astitva' (Story Collection), Miling Prakashan - Hyderabad.
- ii) Karfue Ka Dhabbe (Story Collection) Miling Prakashan, Hyderabad.

**Articles / Poems / Story published :**

- i) Critical essay on 'Kedarnath Agarwal Ka Soundry bodh' in Gayana Chan - New Delhi, October, 1992.
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- iii) Story - 'Astitva' in Sahitya Dharmita, Jaunpur, 1992.
- iv) Poems published in 'Madh Mahee' Udaypur, 1992.
- v) Article on 'Ragha Veer Sahay in Sahitya Dharmita (Jaunpur U.P.) August, 1992.
- vi) Poems in Special issue 'Chapte - Chapte'
- vii) Story 'Pathar Ka Aadame in Madhu Matee, Udaipur, April, 1993.

**Dr. (Mrs.) Ishrat Khan**

**Articles :**

- i) 'Sahitya Itihas - Lekhak Ke Rup mei Acharya Ramchandr Shukla' (Rashtravani Patrika) December 1992. (Maharashtra Rashtrabhasha Sabha, Pune)
- ii) "Urdu Bhasha Ki Utpatti aur Vikas" (Bharatvani Patrika) Dharwad, January, 1993.

**Books :**

- i) Hindi Sahitya Ke Itihas Lekhan Ki Parampara, 1992 Pustak Prakashan, Jabalpur.

**Dr. Satyadev Tripathi**

**Books :**

- i) Samiksha Ka Vyavaharik Sandarbh : Soch, Sarvekshan Aur Prastiti.
- ii) Shivprasad Singh Ka Parvati Katha Sahitya, Aman Prakashan, Kanpur.

**Articles:**

- i) Tulsi Ki Bhakti Bhavani Ki Apani Banvat, Maharashtra Manas (Bombay) 1 - 15 July, 1992.
- ii) "Marxvadi Dristi Se Sahityik Kritiyou Ke Sthayitva Ka Prashna" - Maharashtra Manas, (Bombay) 16th to 31st July, 1992.
- iii) Upanyas Ka Saundarya Shastra Madhumati (Monthly), July, 1992.
- iv) Vishwavidyalayeen Star Par Natyadhyapan Natrang (Quarterly) Delhi, Jan. to September, 1992 (Ank - 55)
- v) Neela Chand : Kitana Dhaval Kitna Neela - Dastavej (Gorakhpant) (Ank - 53) Aug. 92.
- vi) Aurat Ke Bahane Mard Kee Vahi Purani Dastan - Dharmyug (Bombay) 1 - 15 November, 1992.
- vii) Satya Kahaun Likhi Kagad Kore Kagad Kore (Akharmashi ki Sameeksha) Jangatta, Delhi, Sunday 8th November, 1992.
- viii) Prithvi Mahotsav Ki Sameeksha (two parts) - Nav Bharat Times 8th and 15th November, 1992.
- ix) Aaj Sajde Vahee Aavara Huye Jate Hain - Sabyang (Jansatta) 22nd November, 1992.
- x) "Apalak Nayanow Kee Nidhi" (Essay) in book - Ek Kiran Kau Hoon - Published by Ram Kumar Varma Trust.
- xi) Ab Tak Ka Antim Sach - 11th Jan., 1993 - Jansatta
- xii) Lekhak Ka Sangh Se kya lena - Dena - 17 Jan., 93 Jansata Sabrang
- xiii) Yatri festival (Rangmanch samiksha) 17th Jan., 93 - Navbharat Times.
- xiv) Arhata Ke Panva ki Samiksha 24 Jan., 93. Navbharat Times.
- xv) 'Karmelin' (Konkani Novel) Ki Samiksha 1 to 15 Feb. 93 Dharmyug.
- xvi) 'Suraj Ka Satavan Ghoda' film Avam Upanyas Ka Tulnatmak Vivechan, 15th Feb., to 28 Feb., 93.
- xvii) "Mahadevi Kavya mein Yugbhodh Ke Swar" - Madhumati, Feb., 93.
- xviii) Vignyan mein puhadata - 4 April, 93 Navbharat Times.

- xix) TinTin Theatre (Balrangmanch) - 9 May, 93  
Jansatta Sabrang.
- xx) Renu Ke Rachanakar Ko Samjhane Ka Nake  
Prayas, 23 May 93 Navbharat Times.
- xxi) Parajit Patron Ki Vijayee Kahaniyan - 30 May,  
93.
- xxii) Swatantryottar Mohbhag Ke Ayam. (Sandarbh  
Gramjivan par Adharit Kahani) 'Akshara' 23  
Jan to June, 93.

### Miss Chhaya Chodankar

#### Articles :

- i) Smruti Ani Vatha Daily Gomantak, April, 93.  
Balgeet : Appu, Puppuni Gampu & Ga, Ma,  
Bha, Na - Daily Gomantak, April, 93.

#### Any other Details :

Dr. B.R. Mishra is on the Committee for Promo-  
tion of Hindi in Goa, appointed by Government  
of Goa.

Dr. B.K. Sharma is the member of Rastriya  
Samiti of Janvadi Lekhak Sangh, Secretary of  
Sahitya Samvad, Goa and member of Andhra  
Pradesh Hindi Lekhak Sangh.

### 1.3 DEPARTMENT OF KONKANI

#### Teaching and Research Staff :

1. Dr. O.J.F. Gomes Professor and Head  
M.A., Ph.D.
2. Smt. P.S. Tadkodkar Lecturer  
M.A., D.H.E.
3. Dr. (Smt) Chandralekha A. D'Souza  
M.A.; B.Ed., Ph.D. Lecturer
4. Smt. Madhavi Sardesai Lecturer  
M.A., M.Phil.

#### Visiting Teachers :

Dr. Matthew Almeida, Dr. Manohar L. Sardesai  
and Shri Pandurang Bhangui delivered two  
guest lectures each on :

- i) "Mangalorean Contribution to Konkani Prose"
- ii) "The Act of Creation in Poetry" and
- iii) "Konkani Shabdasagar and the Wealth of

Konkani lexis" respectively, in its guest lecture  
series.

#### Research Projects :

Prof. O.J. Gomes continued with his mammoth  
research project of "Reconstruction of old  
Konkani Literature", on his own, expecting  
U.G.C. assistance, and reconstructed a sub-  
stantial part of "Vonvalleancho Mollo" of Miguel  
de Almeida and "Sant Antonichim Acharyam"  
of Antonio Saldanha, two of the several Konkani  
prose classics of the 17th century, which are  
prescribed for study in Paper - VIII of M.A.  
Konkani at the University.

Besides the above, Prof. Gomes completed  
research, translation, editing of the Konkani  
portion of the "Medieval Indian Literature"  
project of the Sahitya Akademi, New Delhi, as  
its language Editor - Cum - Translator.

Prof. Gomes prepared and contributed re-  
search notes on a continuing basis on several  
topics for Volume VI of the "Encyclopaedia of  
Indian Literature" of the Sahitya Akademi, New  
Delhi and also served as Editor - Cum - Adviser  
for two Volumes - V & VI - of the said  
Encyclopaedia during the year.

#### Visitors to the Department :

- (i) Shri Carles Camara, a Doctoral Research  
Scholar (Sociology) of the University of  
Stockholm, Sweden, visited the Department  
and had discussions with Prof. Gomes on socio-  
linguistic aspects of his research and on  
Konkani language and literature.
- (ii) Shri Prakash Bhatambrekar, Western Regional  
Secretary, Sahitya Akademi, Bombay, visited  
the Department and discussed with Prof. Gomes  
matters relating to Konkani vis-a-vis the Sahitya  
Akademi programme relating to it.
- (iii) Shri Naguesh Karmali, noted Konkani poet,  
who had just received the Sahitya Akademi  
Award, visited the Department and discussed  
with Prof. Gomes and other staff members its  
teaching and research programme. He also  
presided over the session of the 'All Goa Col-  
leges Poets' Competition held in the Dept.
- (iv) Dr. Robert Newman, formerly of the University  
of La Trobe, Bundoora, Australia, now in U.S.A.,

research scholar and specialist in Goan studies, visited the Department and discussed with Prof. Gomes various issues relating to Goan culture and language studies.

- (v) Shri Lino Leitao, a distinguished Goan expatriate - Short story writer and novelist, living in Canada, and Editor of 'New Canadian Review' published from Quebec, Canada, visited the Department and had discussions with Prof. Gomes on education in Konkani from primary to University levels and on various issues pertaining to Goan culture and its survival among expatriate Goans in Canada.

#### Visits Abroad:

Prof. O.J.F. Gomes visited Portugal and the libraries and archives of Lisbon, Evora, Coimbra and Braga, in quest of material for his research project "Investigation and research into old Konkani literature" from October, 19th to November 16th, 1992.

#### Participation in Seminars, Conferences and Workshops :

1. The Department organised a Seminar on "R.V. Pandit and his Literary work" on 8th November, 1992. Prof. Gomes delivered the Key-note address and Shri Shripad Desai presided. Dr. P.R. Dubhashi, Vice-Chancellor, Goa University, inaugurated the Seminar. Mrs. P.S. Tadkodkar, among others, presented a paper on 'R.V. Pandit and his Poetry.'
2. The Department organised an exploratory Symposium on "Preparation of Konkani Terminology in Professional Spheres," on 13th April, 1993, in which Prof. Gomes delivered the Key-note address.
3. The Department organised a Get-together-cum-Academic Meet of all the College Teachers in Konkani on 27.1.1993 for a discussion on the syllabi at under-graduate level.
4. All Departmental staff participated in the Seminar on "Language & Society - a Case for Konkani", organised by Department of Sociology and Konkani Bhasha Mandal (Goa) on 24.4. 1993. Prof. Gomes chaired one session of the seminar on 'mass literacy', Dr. (Mrs.) C.A.D.'Souza presented a paper on 'Sociolinguistic study and Standardisation of Konkani' and Smt. Madhavi Sardesai a paper on 'Konkani gender'.
5. An All-Goa Poets Competition for College students of Goa was organised through the Konkani Literary Association of the Department of Konkani, on 10.2.1993. Prof. Gomes chaired the session.
6. Prof. Gomes participated in a six-day seminar on 'Literary Translation - Indian Perspectives' from 29th March to 2nd April, 1993, organised by the British Council in New Delhi, and presented a paper on 'The process of literary translation - An Indian polyglot's perspective'. He also chaired a session on 'European Poetry in Translation' at the seminar and in another session recited his translations of poems in English and Konkani done from other languages.
7. He organised a 'Seminar on Konkani literature of Kerala,' on 14th & 15th Oct. 1992 in Cochin, in his capacity as Executive Board member of Sahitya Akademi, New Delhi.
8. He participated in the National Symposium of Poets on All India Radio : Goa, on the Eve of Republic Day, 1993.
9. He conducted a Conference on 'Konkani in the linguistic context of India' in Portuguese, for mainly Goan emigres under the auspices of "Casa de Goa", an organisation of Goans settled in Lisbon, on 13,11.1992.
10. He organised and conducted the Sahitya Akademi Annual Conference of its Advisory Board for Konkani in Bombay, on 23rd July, 1992.
11. He participated as a member of a panel discussion on 'Advantages and opportunities at various levels of education, Government, etc. after the inclusion of Konkani in the VIIIth Schedule' at the "All India Konkani Sahitya Parishad", held in Margao, on 16th and 17th January, 1993.
12. He participated in a seminar on 'Goan Folklore' organised by the Department of History, on 16.4.1993.
13. He participated in a U.G.C. Workshop on paper setting at the National level in New Delhi.

#### Mrs. P.S. Tadkodkar

- (i) Mrs.P.S. Tadkodkar delivered a series of Lectures on 'Konkani Language & Grammar' at

- ii) Chief Guest in the concluding session of Hindi Workshop conducted by N.I.O., Dona Paula in October, 1992.
- iii) Resource person in Hindi workshop held by Goa Shipyard, Vasco, in December, 1992.
- iv) Chief Guest at the concluding function of Hindi Workshop held by Goa Shipyard in February, 1993.

**Dr. B.K. Sharma**

- i) Symposium organised by Goa University teachers. Spoke on "Ayodhya Issue - In Multicultural Society".
- ii) Participation in discussion on Ayodhya issue organised by solidarity forum - Pillar.
- iii) Paper presented on 'Shamsher ka Kavya Sansar'.
- iv) Resource person in Hindi Workshop held by N.I.O., Dona Paula Goa in December, 1992.
- v) Presented paper in Seminar of 'Nayee Kavita Aur Nayee Kahanee mein Mohabhang held by Department of Hindi, Goa University dated 27th November, 1992.
- vi) Resource person in Hindi workshop held by Goa Shipyard Vasco on 5-12-1992.
- vii) Participated in Literary discussion of Hindi Lekhak Sangh - Hyderabad 31st December, 1992.
- viii) Resource person for Central Translation Bureau Workshop at Goa University on 11 - 12 - 1992.
- ix) Chief Guest in Hindi Workshop held by Indian Air Lines at Dabolim Air Port on 21-1-1993.
- x) Resource person in "Konkani Hindi Cassetts for C.H.I." New Delhi held at Vasco dated 27-1-1993 to 31-1-1993.

**Dr. (Mrs.) Ishrat Khan**

- i) Resource person in Hindi Workshop held by N.I.O., Dona Paula Goa in October, 1992.
- ii) Participated in Seminar on 'Nayee Kavita Aur Nayee Kahanee Mein Mohabhang' organised by the Department of Hindi, Goa University dated 27th November, 1992.

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**Dr. S.R. Tripathi**

- i) Symposium organised by Goa University Teachers - spoke on "Ayodhya Issue: In Multicultural Society".
- ii) Gave a talk on "Ayodhya Issue - in the seminar organised by the Solidarity Forum, Goa.
- iii) Participated in symposium organised by Bombay Patrakar Sangh at Club House at Churchgate, Bombay.
- iv) Attended seminars organised by Department of Marathi, Goa University during March, 1993.

**Dr. R.N. Mishra**

- i) Resource person in Hindi Workshop held by N.I.O., Dona Paula, Goa in October, 1992.
- ii) Resource person in Hindi Workshop held by Goa Ship Yard, Vasco, in December, 1992.
- iii) Gave a talk on Ayodhya Issue in Seminar organised by the Solidarity Forum, Pilar, Goa, in December, 1992.
- iv) Attended Canadian Studies Seminar organised by Academic Staff College, Goa University in March, 1993.
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**Miss Chhaya Chodankar**

- i) Attended and participated in discussion in one day seminar held in November, 1992 by Konkani Department on R.V. Pandit.
- ii) Participated in the History Seminar on 'Goan Folklore' held in March, 1993.

**Publications :**

**Dr. B.R. Mishra**

**Book :**

- i) Agyeya Aur Unaka Upanyas Sausar, Lok Bharati, Allahabad.

**Articles :**

- i) 'Doosari Vamachar' : Satya Ke Sakshatkar Ka Prayas - Roopamber (Calcutta) 92.

**Dr. B.K. Sharma**

**Books:**

- i) 'Astiva' (Story Collection), Miling Prakashan - Hyderabad.
- ii) Karfue Ka Dhabbe (Story Collection) Miling Prakashan, Hyderabad.

**Articles / Poems / Story published :**

- i) Critical essay on 'Kedarnath Agarwal Ka Soundry bodh' in Gayana Chan - New Delhi, October, 1992.
- ii) Poems in 'Roopambara' Calcutta 1992.
- iii) Story - 'Astiva' in Sahitya Dharmita, Jaunpur, 1992.
- iv) Poems published in 'Madh Mahee' Udaypur, 1992.
- v) Article on 'Ragha Veer Sahay in Sahitya Dharmita (Jaunpur U.P.) August, 1992.
- vi) Poems in Special issue 'Chapte - Chapte'
- vii) Story 'Pathar Ka Aadame in Madhu Matee, Udaipur, April, 1993.

**Dr. (Mrs.) Ishrat Khan**

**Articles :**

- i) 'Sahitya Itihas - Lekhak Ke Rup mei Acharya Ramchandr Shukla" (Rashtravani Patrika) December 1992. (Maharashtra Rashtrabhasha Sabha, Pune)
- ii) "Urdu Bhasha Ki Utpatti aur Vikas" (Bharatvani Patrika) Dharwad, January, 1993.

**Books :**

- i) Hindi Sahitya Ke Itihas Lekhan Ki Parampara, 1992 Pustak Prakashan, Jabalpur.

**Dr. Satyadev Tripathi**

**Books :**

- i) Samiksha Ka Vyavaharik Sandarbh : Soch, Sarvekshan Aur Prastiti.
- ii) Shivprasad Singh Ka Parvati Katha Sahitya, Aman Prakashan, Kanpur.

**Articles:**

- i) Tulsi Ki Bhakti Bhavani Ki Apani Banvat, Maharashtra Manas (Bombay) 1 - 15 July, 1992.
- ii) "Marxvadi Dristi Se Sahityik Kritiyon Ke Sthayitva Ka Prashna" - Maharashtra Manas, (Bombay) 16th to 31st July, 1992.
- iii) Upanyas Ka Saundarya Shastra Madhumati (Monthly), July, 1992.
- iv) Vishwavidyalayeen Star Par Natyadhyapan Natrang (Quarterly) Delhi, Jan. to September, 1992 (Ank - 55)
- v) Neela Chand : Kitana Dhaval Kitna Neela - Dastavej (Gorakhpant) (Ank - 53) Aug. 92.
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- ix) Aaj Sajde Vahee Aavara Huye Jate Hain - Sabyang (Jansatta) 22nd November, 1992.
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- xvii) "Mahadevi Kavya mein Yugbhodh Ke Swar" - Madhumati, Feb., 93.
- xviii) Vignyan mein puhadata - 4 April, 93 Navbharat Times.

- xix) TinTin Theatre (Balrangmanch) - 9 May, 93  
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- xx) Renu Ke Rachanakar Ko Samjhane Ka Nake  
Prayas, 23 May 93 Navbharat Times.
- xxi) Parajit Patron Ki Vijayee Kahaniyan - 30 May,  
93.
- xxii) Swatantryottar Mohbhag Ke Ayam. (Sandarbh  
Gramjivan par Adharit Kahani) 'Akshara' 23  
Jan to June, 93.

### Miss Chhaya Chodankar

#### Articles :

- i) Smruti Ani Vatha Daily Gomantak, April, 93.  
Balgeet : Appu, Puppuni Ani Gampu & Ga, Ma,  
Bha, Na - Daily Gomantak, April, 93.

#### Any other Details :

Dr. B.R. Mishra is on the Committee for Promotion of Hindi in Goa, appointed by Government of Goa.

Dr. B.K. Sharma is the member of Rastriya Samiti of Janvadi Lekhak Sangh, Secretary of Sahitya Samvad, Goa and member of Andhra Pradesh Hindi Lekhak Sangh.

### 1.3 DEPARTMENT OF KONKANI

#### Teaching and Research Staff :

1. Dr. O.J.F. Gomes Professor and Head  
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2. Smt. P.S. Tadkodkar Lecturer  
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- iii) "Konkani Shabdasagar and the Wealth of

Konkani lexis" respectively, in its guest lecture series.

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Besides the above, Prof. Gomes completed research, translation, editing of the Konkani portion of the "Medieval Indian Literature" project of the Sahitya Akademi, New Delhi, as its language Editor - Cum - Translator.

Prof. Gomes prepared and contributed research notes on a continuing basis on several topics for Volume VI of the "Encyclopaedia of Indian Literature" of the Sahitya Akademi, New Delhi and also served as Editor - Cum - Adviser for two Volumes - V & VI - of the said Encyclopaedia during the year.

#### Visitors to the Department :

- (i) Shri Carles Camara, a Doctoral Research Scholar (Sociology) of the University of Stockholm, Sweden, visited the Department and had discussions with Prof. Gomes on socio-linguistic aspects of his research and on Konkani language and literature.
- (ii) Shri Prakash Bhatambrekar, Western Regional Secretary, Sahitya Akademi, Bombay, visited the Department and discussed with Prof. Gomes matters relating to Konkani vis-a-vis the Sahitya Akademi programme relating to it.
- (iii) Shri Nagesh Karmali, noted Konkani poet, who had just received the Sahitya Akademi Award, visited the Department and discussed with Prof. Gomes and other staff members its teaching and research programme. He also presided over the session of the 'All Goa Colleges Poets' Competition held in the Dept.
- (iv) Dr. Robert Newman, formerly of the University of La Trobe, Bundoora, Australia, now in U.S.A.,

research scholar and specialist in Goan studies, visited the Department and discussed with Prof. Gomes various issues relating to Goan culture and language studies.

- (v) Shri Lino Leitao, a distinguished Goan expatriate - Short story writer and novelist, living in Canada, and Editor of 'New Canadian Review' published from Quebec, Canada, visited the Department and had discussions with Prof. Gomes on education in Konkani from primary to University levels and on various issues pertaining to Goan culture and its survival among expatriate Goans in Canada

#### Visits Abroad:

Prof. O.J.F. Gomes visited Portugal and the libraries and archives of Lisbon, Evora, Coimbra and Braga, in quest of material for his research project " Investigation and research into old Konkani literature" from October, 19th to November 16th, 1992.

#### Participation in Seminars, Conferences and Workshops :

1. The Department organised a Seminar on "R.V. Pandit and his Literary work" on 8th November, 1992. Prof. Gomes delivered the Key-note address and Shri Shripad Desai presided. Dr. P.R. Dubhashi, Vice-Chancellor, Goa University, inaugurated the Seminar. Mrs. P.S. Tadkodkar, among others, presented a paper on 'R.V. Pandit and his Poetry.'
2. The Department organised an exploratory Symposium on "Preparation of Konkani Terminology in Professional Spheres," on 13th April, 1993, in which Prof. Gomes delivered the Key-note address.
3. The Department organised a Get-together-cum-Academic Meet of all the College Teachers in Konkani on 27.1.1993 for a discussion on the syllabi at under-graduate level.
4. All Departmental staff participated in the Seminar on "Language & Society - a Case for Konkani", organised by Department of Sociology and Konkani Bhasha Mandal (Goa) on 24.4. 1993. Prof. Gomes chaired one session of the seminar on 'mass literacy', Dr. (Mrs.) C.A.D.'Souza presented a paper on 'Sociolinguistic study and Standardisation of Konkani' and Smt. Madhavi Sardesai a paper on 'Konkani gender'.
5. An All-Goa Poets Competition for College students of Goa was organised through the Konkani Literary Association of the Department of Konkani, on 10.2.1993. Prof. Gomes chaired the session.
6. Prof. Gomes participated in a six-day seminar on 'Literary Translation - Indian Perspectives' from 29th March to 2nd April, 1993, organised by the British Council in New Delhi, and presented a paper on 'The process of literary translation - An Indian polyglot's perspective'. He also chaired a session on 'European Poetry in Translation' at the seminar and in another session recited his translations of poems in English and Konkani done from other languages.
7. He organised a 'Seminar on Konkani literature of Kerala,' on 14th & 15th Oct. 1992 in Cochin, in his capacity as Executive Board member of Sahitya Akademi, New Delhi.
8. He participated in the National Symposium of Poets on All India Radio : Goa, on the Eve of Republic Day, 1993.
9. He conducted a Conference on 'Konkani in the linguistic context of India' in Portuguese, for mainly Goan emigres under the auspices of "Casa de Goa", an organisation of Goans settled in Lisbon, on 13.11.1992.
10. He organised and conducted the Sahitya Akademi Annual Conference of its Advisory Board for Konkani in Bombay, on 23rd July, 1992.
11. He participated as a member of a panel discussion on 'Advantages and opportunities at various levels of education, Government, etc. after the inclusion of Konkani in the VIIIth Schedule' at the "All India Konkani Sahitya Parishad", held in Margao, on 16th and 17th January, 1993.
12. He participated in a seminar on 'Goan Folklore' organised by the Department of History, on 16.4.1993.
13. He participated in a U.G.C. Workshop on paper setting at the National level in New Delhi.

#### Mrs. P.S. Tadkodkar

- (i) Mrs.P.S. Tadkodkar delivered a series of Lectures on 'Konkani Language & Grammar' at

D.I.E.T. - Porvorim Primary Teachers' Workshop. (ii) presented a paper on 'Class and Casteism' and another on 'equality and women' at Marathwada University, while attending an Orientation Course at that Univeristy.

#### **Dr. C.A. D'Souza**

Dr. (Mrs.) C.A. D'Souza participated in a N.C.E.R.T. Workshop, Hyderabad from 27.1.1993 to 3.2.1993.

#### **Mrs. Madhavi Sardessai**

1. Mrs. Madhavi Sardesai participated in a seminar, organised by Govt. College of Arts & Science, Quepem on 27.11.1992, on 'Assessment of Konkani Syllabus at the B.A. level'.
2. She participated in the Konkani Parishad, 19th meet, at Margao on 16th & 17th January, 1993.
3. She participated in a seminar on "Women & Law" organised by the Women's Study Centre of Goa University on 22.1.1993 and 23.1.1993.
4. Participated in a seminar on Goan Folklore (organised by ICCR & the Dept. of History) on 16.4.1993 and 17.4.1993.

#### **Research Publications and other Articles:**

##### **Prof. O.J.F.Gomes**

1. His research article on "Trends in Konkani literature was published in the Silver Jubilee Year Special number Volume - XII - 1992 - special Issue on 'Regional Literatures in English Translation' of the Kakatiya Journal of English Studies, of the Department of English, Kakatiya University, Warangal, A.P. Prof. P. Shivkumar, in the introduction to the volume, says about this article the following "an article like this would not only build bridges between regional literatures in India, but would go a long way in helping chart the territory for researchers and translators .. (it is) an examination of their work (in Konkani) as an integral part of the sociological, historical and cultural context of the region - specific environment of Goa".
2. Prof. Gomes's translation in Konkani of the famous poem "Shabd ka Zanma" of the Hindi poet Girija Kumar Mathur, was published as "Utracho Zolm" in the prestigious bi-monthly magazine 'BHASHA' official organ of the Central Hindi Directorate, New Delhi, in its issue of January - February, 1993.

3. His translation in Konkani of a prestigious world classic drama of Henrik Ibsen's "Ghosts", entitled "Lanvam - Bhutam", has been published in May, 1993.
4. Another translation of his, of 'La Vida es sueno' a famous play of the great Spanish dramatist Calderon de la Barca, directly done from its original Spanish, in verse, has been published in Konkani verse as "Jivit Mhollear Sapon" in May, 1993.
5. His article on plans for the future of Konkani "Sangatan Konkani Fulouvia," has been published in 'Konkan Times' Betim, Goa.
6. His articles on 'Fanchu Loyola - the great Goan freedom fighter' has been published in 'Rashtramat', Margao, on 14-3-1993.

##### **Mrs. P.S. Tadkodkar**

1. Her article on 'Konkani Language' was published in Annual 'Vangaddi', 1992.
2. Her article 'Konkan and Konkani' was published in 'Sayanwarta' from Aurangabad, Maharashtra.
3. Her translation of articles, 'Sant Sohirobanath Ambiye', was published in daily 'Rashtramat', Margao.

##### **Mrs. Madhavi Sardessai**

1. Her Konkani translation of Shri Ravindra Kelekar's Hindi biography entitled 'Mahatma Gandhi - Ek Jivan' as "Eka Vicharachi Jivit Katha", was published in January, 1993.

#### **Any Other Details:**

##### **Prof. Gomes**

1. Prof. Gomes presented Vichar Dhara (Thought for the day) based on thoughts of Henry David Thoreau, on the 'art of simple living," on All India Radio-Panaji, Goa.
2. Liaised with the Goa Government's Education Department, Konkani Bhasha Mandal, Department of Education, Ministry of Human Resource Development in relation to advice on promotion of Konkani language in the educational sphere.
3. Served on the University's Affiliation Committee as a co-opted member visiting various colleges for the purpose.



4. Translated substantially the massive Bengali classic novel 'Arogya Niketan' of Tarashankar Bandopadhyaya, into Konkani, with the help of a Marathi version, for the sahitya Akademi, New Delhi.
5. Served as Convenor of the B.O.S. in Konkani for High School & Higher Secondary School stage and ex-officio member, Academic Council of the Goa Board of S.S.C.E. & H.S.S.C.E. and tendered advice as member of its sub-committee on the revamping of the syllabus to bring it in line with the C.B.S.E.
6. Contributed a 5000 - word entry on 'Konkani Language & Literature' in English to the "A Companion to Indian Literature" in five volumes, on invitation by the Oxford University Press, Calcutta.
7. Prepared an article entitled 'Glimpses of Konkani Literature' in Hindi for the monthly illustrated magazine 'KADAMBINI' of the Hindustan Times Group, published from New Delhi.
8. Delivered the Presidential Address at the Birth Anniversary celebrations of Shennoy Goembab on 23rd June, 1992, at Margao Municipal Hall.
9. Assisted U.G.C. in the preparation of syllabi and setting of papers for NET Test for recruitment of Lecturers and awarding of Junior Research Fellowships in Konkani.
10. Worked towards inclusion of Konkani in the VIIIth Schedule to the Constitution, by pursuing this objective in memoranda and personal urging at the various Ministries connected with this issue, and saw it achieved on 20th August, 1992.
11. Assisted All India Radio authorities, on request from its New Delhi Office, to select News-readers - cum Translators, as member of the Selection Committee constituted for the purpose in April, 1993.
12. Lectured to students of the Orientation Course for Lecturers (in Konkani) of the Academic Staff College, Goa University, on three topics.
13. He had public poetry reading of his poems in Konkani (with English versions) at the Poetry Society (India) in New Delhi.

#### **Dr. (Mrs.) C.A. D'Souza**

1. She delivered a series of lectures at the Goa University to the visiting trainees of the Translation Bureau, Bombay on Methodology of translation from source language to target language.
2. Lectured at Goa Shipyard, Vasco - da - Gama on 9.8.1993 on the topic "Difficulties experienced by Marathi and Konkani speaking people, while writing in Hindi."
3. Delivered three talks on 'Sahitya Dhara' on All India Radio, Panaji.
4. She also participated in a discussion on 'Are husbands redundant?' on 22nd April, 1993, on All India Radio, Panaji.
5. She contributed to the Konkani Encyclopaedia, Goa University on three writers.

#### **1.4 DEPARTMENT OF MARATHI**

##### **Teaching and Research Staff:**

- |                        |                     |
|------------------------|---------------------|
| 1. Dr. S. D. Komarpant | Reader and Head     |
|                        | M.A., Ph.D.         |
| 2. Shri K.M. Sadre     | Reader              |
|                        | M.A.                |
| 3. Dr. V.D. Sawant     | Lecturer            |
|                        | M.A., M.Phil; Ph.D. |

##### **Details of Research Students:**

Name of the guiding Teacher	No. of Students	
	M.Phil./PhD.	
1. Dr. S.D. Komarpant	—	2
2. Shri K.M. Sadre	—	2

##### **Visitors to the Department :**

1. Dr. Bhalchandra Nemade, M.A. (English), M.A. (Linguistics), Ph.D. - Gurudev Tagore professor of Comparative Literature, University of Bombay. Well known Novelist, linguist and Critic in Marathi.
2. Dr. Milind Malshe, M.A., M.Lit. Ph.D., Associate Professor, I.I.T. Bombay. Well known linguist & Critic in Marathi.

3. Dr. Ramesh Dhongade, M.A., Ph.D. Reader in Semantics & Lexicography, Deptt. of Linguistics, Deccan College, Pune. Well known Linguist & Critic in Marathi.
4. Dr. Vilas Khole, M.A., Ph.D. Reader & Head, S.N.D.T., Pune, Well known critic in Marathi.
5. Dr. Vasant Patankar, M.A., Ph.D. Lecturer in Marathi, University of Bombay. Well known poet & critic in Marathi.
6. Dr. Rohini Tukadev, M.A.; Ph.D. Lecturer in Marathi, Smt. Kasturba Walchand College, Sangli. Well known critic in Marathi.
7. Dr. Vishwanath Shinde, M.A.; Ph.D. Reader in Marathi, Shivaji University, Kolhapur. Well known Critic in Marathi.
8. Dr. Gangadhar Moraje, M.A., Ph.D., Head, Department of Marathi, Ahmednagar College, Ahmednagar (Retired). Well known Critic.

**Participation in Seminars, Conferences & Workshop :**

**Dr. S.D. Komarpant**

1. Participated in the literary programme, 'Sahityik Gappa' organised by 'Mandavi Granth Vitaran' and had an interview with Prof. S.S. Nadkarni on his book 'Balkavi Sameeksha : 1918 to 1990' alongwith Prof. Balkrishna Kanolkar on 12th Nov. 1992 at Kala Academy, Panaji.
2. Inaugurated the literary programme 'Shabdagandha Kavyasohala' and gave a talk in the seminar 'Marathi Kavita " Kal ani Aaj' organised by Literary Association, 'Shabdagandha' at Belgaum on 15th November, 1992.
3. Presented a paper on 'Problems of Teaching Marathi in Goa' at One Day Teachers Meet organised by Department of Marathi (Goa University) on 20th November, 1992.
4. Gave a talk on 'National Integration' organised by Block Development Office, Kanakona at Chauri, Kanakona as a part of 'Kaumi Ekta Saptah' on 25th November, 1992.
5. Gave a talk on 'Short Story in Marathi' at 'Yuva Sahitya Sammelan' organised by Marathi Vangamaya Mandal (Goa University) in collaboration with Gomantak Marathi Academy at Panaji on 28th November, 1992.
6. Presided over one day Literary Meet at Keri, Sattari and gave a talk on 'Literature and Cul-

ture' organised by Gomantak Marathi Academy on 27th December, 1992.

7. Presented a paper on 'Goan Folklore' and participated in the seminar on 'Folklore & Folk tradition' organised by 'Bharatiya Marathi Abhyasa Parishad' at K.S. Vani Pragat Adhyana Samstha, Dhule on 9th and 10th January, 1993.
8. Participated and gave a talk in the seminar on 'Contribution by Saint Poets to Maharashtra' organised by 66th Akhil Bharatiya Marathi Sahitya Sammelan at Satara on 13th February, 1993.
9. Gave a talk on All India Radio, Panaji on the topic 'Poetry by P. S. Rege' on 7th February, 1993.
10. Organised and participated in the Seminar on 'Literary Criticism in Marathi after 1960' jointly organised by Department of Marathi (Goa University) and Gomantak Marathi Academy on 15th and 16th March, 1993.
11. Gave a talk in the seminar on 'Goa Culture: Yesterday, today and tomorrow' at "5th Pragatik Sahitya Sammelan" organised by 'Pragatik Vichar Manch' at Marcel on 11th April, 1993.
12. Gave a talk on 'Dr. Babasaheb Ambedkar : His life and mission' organised by Government of Goa and Dalit Mahasangh at Panaji on 14th April, 1993.
13. Presided over a session in the seminar on 'Goan Folklore' organised by Department of History (Goa University) on 17th April, 1993.
14. Participated in the workshop on 'Short Story in Marathi' organised by Konkani Sahitya Parishad at Kasheli, Rajapur and presented a paper containing critical appreciation of a Short story 'Mora' by Madhu Manguesh Karnik on 15th May, 1993.

**Shri K.M. Sadre**

1. Initiated a discussion on 'Violence in Human Nature', by reading a paper on the topic with special reference to its depiction in a Hindi film organised by Q club. (Teachers of Goa University Department. 1st August, 1992)
2. Radio Talk on 'Dr. Nemade's Literature' May, 1993.
3. Presided over and gave a talk on 'Subject

Language', One day Literary meet at Candolim organised by the Gomantak Marathi Academy on 7th March, 1993.

4. Organised and participated in the Goa University (Deptt. of Marathi) seminar held on 15th & 16th March, 1993 on "Criticism in Marathi" post 1960 trends.

#### **Dr. V.D. Sawant**

1. Obtained Ph.D. degree of Shivaji University in February, 1993.
2. Read a paper on 'Rath', novel by Rangnath Pathare, in the seminar held at Satara on 15th & 16th Aug. 1992.
3. Read a paper 'Marathi Criticism after 1960' in Seminar held by Marathi Department of Goa University on March, 15th & 16th 1993.
4. Read a paper on three Short Stories in a Short story workshop held by Konkan Marathi Sahitya Parishad at Kasheli, Rajapur on 15th & 16th May, 1993.
5. A talk, "Feminism & Marathi Saint poetesses" broadcasted on All India Radio, Panaji.
6. Attended a two days Workshop on "Evaluation" held by Staff Academy College, Goa University in March, 1993.

#### **Publications :**

#### **Dr. S.D. Komarpant**

##### **1. Books:**

- i) Vangmayeen Sandarbh aani Avalokan (Collection of critical Writings)
- ii) Kshitijrang, (Collection of Critical writings)
- iii) Presidential addresses and speeches as Chairman of Welcome Committees Gomantak Marathi Sahitya Sammelan. Edited, Published : Gomantak Marathi Academy, Panaji.

##### **2. Articles:**

- i) Humour by C.V. Joshi - published in 'Maitra' Diwali special Number, October, 1992.
- ii) Goan Folklore, published in the book 'Loksaahitya and Lokparampara', K.S. Vani Marathi pragat Adhyayan Samstha, Dhule, Ed. Dr. R.N. Warankhede.

## **1.5 DEPARTMENT OF FRENCH**

### **Teaching and Research Staff:**

1. Dr. (Kum.) Belinda Fernandes  
M.A., Ph.D. Lecturer and Head
2. Shri Prasad Barve Lecturer  
M.A., D.S.A.F.L.E.

### **Contributory Teachers :**

Dr. M.L. Sardesai, M.A., Ph.D. visited the Department and delivered lectures for Paper F.C.1 : History of Painting in France from 1850 to 1950, and Paper - FC : 4 - Study of 20th Century French Literature with one text : These Desqueyroux by Francois Mouriatic, La Reine Monte by Montherlant. He delivered a series of about 60 lectures; for the first term in Core Course and in FE - 2 : 'Topaze' by Pagnol & FE.-6 : 'Candide' by Voltair, for the Elective Course.

### **Visiting Teachers :**

- i) Mrs. Mireille Pochon, a French Scholar from France visited the Department and delivered lectures on French Civilization and today's France.
- ii) Ms. Margaritta Gonsalvez, preparing herself for being a teacher of Spanish in France, visited the Deptt. and had a lively informal discussion with students on "students' life in France and that in India."
- iii) Mr. Bernard Michault, a young Engineer from France, visited the Deptt. and discussed with Shri Barve and the Students of the Dept. 'The Youth of France and of India'.

### **Participation in Seminars, Conferences and Workshops :**

- i) Shri Prasad G. Barve attended a one month National Seminar - Cum - Workshop on Pedagogie En Francais Langue Etrangere organised in Pune by the French Embassy, on 12th May - 11th June, 1992. This seminar/workshop was organised by University Grants Commission.

### **Publications:**

Dr. Belinda Fernandes, as the Head of the Department published the Annual Magazine entitled 'FEUILLES'. To the magazine, Dr.

(Kum.) Belinda Fernandes contributed a poem and Shri Barve contributed an article and a poem.

#### 10. Other details:

- i) Shri P. G. Barve completed a Certificate Course in Portuguese, organised by Indo-Portuguese Association.
- ii) He also participated in the activities of World Wild Life Fund, Goa Branch.
- iii) He also participated in the activities of 'Vansthali Gramin Vikas Kendra' of Pune.

### 1.6 DEPARTMENT OF PORTUGUESE

#### Teaching and Research Staff :

1. Dr. Maria Selma de Vieira Velho  
M.A., Ph.D. Lecturer and Head  
(Portuguese Literature)

#### Contributory Teachers:

1. Dr. Carmo Azavedo gave 54 lectures on Papers IV, VI & VIII
2. Prof. S.S. Kulkarni (Dept. of English) gave 6 Lectures on "The Cultural Heritage of India" (Paper VI)
3. Prof. A. Patil (Dept. of English) gave 6 lectures on "The Essay" (Paper VI)
4. Prof. K.M. Mathew (Head, Dept. of History) gave a lecture on "The South India's Indo-Portuguese History" (Paper VI)
5. Dr. P. Kamat (Dept. of History) gave a lecture on "The Outline of Indo-Portuguese History" (Paper VI)

#### Research Project :

Dr. Maria Selma de Vieira Velho

1. "A Epoca do Arabispo Governador D. Frei Aleixo de Meneses" is being completed for publication. This post-doctoral research project was made possible by a scholarship granted by Universidade Catolica Portuguesa in 1986.
2. "The Indianess in the Esoteric Literature of

Portugal" is in the process of being published. This post-doctoral research project was made possible by a research grant from the Gulbenkian International Foundation in 1986.

3. "The Indo-Portuguese Armorial Bearings" is a post-doctoral research project still in progress.

#### Visitors to the Department:

1. Prof. Doutor Antonio Vasconcellos de Saldanha, Professor of International Law, Universidade de Lisboa.
2. Mr. M. Barbosa Fialho, from the B.B.C. (London) working on a research programme on Goa's cultural identity, visited the Department.
3. Dr. Jose Leal Ferreira Junior, from the School of International Studies (CAWES) of J.N.U.
4. Dr. Eduardo de Lima Pinto da Costa Professor of History of Universidade Catolica Portuguesa (Lisbon).
5. Students from the Faculty of Architecture of Universidade do Porto paid a good will visit to this Department during their tour around India's major architectural centres.

#### Participation in seminars, conferences and Workshop :

1. Dr. Velho was invited to participate in the International Seminar 'ENCOUNTERS AND EXCHANGES: INDIA AND PORTUGAL', jointly organised by India International Centre and the Embassy of Portugal, at India International Centre on 30th November and 1st December. She presented a research paper on "Indiannes in the Esoteric Literature of Portugal".
2. Was invited to participate in the International Seminar on "Europe and its Others : 1492-1992", jointly organised by the Department of German and Romance Studies of the University of Delhi and the Embassies of Spain, Portugal, France and Germany, at the University of Delhi, on 2 - 4 December, 1992. Dr. Velho's research paper on "Indiannes in the Esoteric Literature of Portugal" was circulated and discussed.
3. Participated in the Workshop on Goan Folklore: Theories, Perspectives and Methodologies" organised by the Department of History of Goa University and sponsored by ICSSR on

16th and 17th April, 1993. Dr. Velho presented a research paper on "Goan Folk Stories in Portuguese Folklore".

#### Research Publications and other Articles:

##### Dr. Velho

"Portugal in the East : The Possible Influences of Navigators in the Coastal Societies of the Orient" in the Indo-Asiatic Encounters with Ibero-American, Pg. 93-113 published by the Ibero - American Community, New Delhi 1992.

##### Any other Details:

Dr. Velho was nominated University expert for the selection of Portuguese lecturers at Dhempe College and Chowgule College. The Project of Re-orientation of Methodologies of teaching of Portuguese for Secondary and Higher Secondary Teachers, in collaboration with the Cultural Department of Embassy of Portugal, has been implemented successfully in its phase IV.

## 2.1 DEPARTMENT OF ECONOMICS

#### Teaching and Research Staff :

- |    |                               |                    |
|----|-------------------------------|--------------------|
| 1. | M.A. Shahi                    | Professor and Head |
|    | B.A. (Hons); M.A. (Mysore)    |                    |
|    | M.A. (Chicago), Ph.D. (Kent); |                    |
|    | F.S.S. (London)               |                    |
| 2. | A.R. Padoshi                  | Reader             |
|    | M.A., Ph.D.                   |                    |
| 3. | Mrs. S. M. Noronha            | Lecturer           |
|    | M.A., D.H.E., Ph.D.           |                    |
| 4. | Errol D'Souza                 | Lecturer           |
|    | M.A., Ph.D.                   |                    |
| 5. | Halima Sadia Rizvi,           | Lecturer           |
|    | M.A.                          |                    |

#### Details of Research Students:

Name of the Guiding Teacher	No. of Students	
	M.Phil./Ph.D.	
1. M.A. Shahi	—	3
2. A.R. Padoshi	—	3

#### Research Project:

Errol D'Souza: "Memorandum to the Tenth Finance Commission" under funding from Government of Goa, August 1992 to January, 1993.

#### Visitors to the Department :

Dr. V.A. Pai Panandikar, Director, Centre for Policy Research, New Delhi on 17-2-1993.

#### Participation in Seminars, Conferences and Workshops :

##### A.R. Padoshi

1. Attended the annual Conference of the Indian Society of Agricultural Economics at Coimbatore in December, 1992.
2. Attended the annual Conference of Marathi Arthashastra Parishad at Nashik January, 1993.

##### S.M. Noronha

1. Attended the 34th Annual Conference of the Indian Society of Labour Economics held at Jawaharlal Nehru University, New Delhi under the presidentship of Dr. K.M. Naidu from 2nd - 4th January and presented a paper on 'Labour Productivity and Trade Unionism'.
2. Seminar on "Reconstruction of Latin American Economics: Lessons for India" organised by the Centre for Latin American Studies, Goa University in February, 1993.
3. Symposium on the "Union Budget 93" organised by the Department of Economics, Goa University in March, 1993.
4. Canadian Studies Seminar organised by SI CI, New Delhi and Canadian Studies Programme Goa University, 11th-12th March, 1993.
5. Seminar on 'Women Entrepreneurship in Goa' organised by the Dept. of Commerce, Goa University on 23rd March, 1993.
6. All Goa Economics Teachers' Meet organised by the Department of Economics, Goa University on 26th March, 1993 on "How to improve the teaching of Economics in the Colleges in Goa."

##### Errol D'Souza

1. Presented a paper "Patent Policy from a National Perspective" at the 1992 India & S.E. Asia Meeting of the Econometric Society, December, 19-22, 1992.
2. Presented a paper at 34th Annual Conference of Indian Society for Labour Economics, 1993, New Delhi.

3. Paper on "Union Budget, 1993-94" at symposium on Union Budget, Goa University, March, 1993.
4. Paper on "Conflict, inflation and Adjustment" at Seminar on "Restructuring Latin American Economics", Goa University, February, 1993.
5. participated in seminar on Indo-Canadian Studies, March, 1993, Goa University.
6. Participated in Symposium for teachers of Economics at Goa University, March, 1993.

#### **Halima Sadia Rizvi**

1. Attended and participated in the two day workshop on Examination and Evaluation patterns in the Indian Universities at the Academic Staff College of Goa University.

#### **Research Publications and Other Articles:**

##### **M.A. Shahi**

Latin American Economic Performance and India's Prospects. (Forthcoming)

##### **A.R. Padoshi**

**Books:** The Process of Decision Making in Agricultural Production" for Y.B. Chavan Open University.

##### **S.M. Noronha**

Book Review of Abdul Gani, Labour Management Relations, Concept Publishing Co., New Delhi 1991 in the Indian Journal of Labour Economics, Vol. 35, No.2, April - June 1992, PP. 196-197.

##### **Errol D'Souza**

"The Black Economy Restructuring, inflation and Employment," Indian Journal of Labour Economics, Vol. 35, No.4, 1992.

##### **Halima Sadia Rizvi**

"The Impact of Globalization on the Indian Industries" (Forthcoming).

#### **Any other details:**

##### **M.A. Shahi**

1. Radio Talk on "The Economic Aspects of Prophet's Teachings" AIR - Panjim.
2. External Examiner and Chairman Board of Ex-

aminers for Ph.D. thesis, Sri Venkateshwar University, Tirupathi.

3. External Examiner for Ph.D., Aligarh Muslim University, and conducted viva-voce.

##### **A.R. Padoshi.**

Functioned as in charge of the Department in February and March 1993. Finalized T.Y.B.A. (Economics) syllabus as Chairman Board of Studies in Economics.

Organized a seminar on 'Union Budget 1993-94' on 4-3-1993.

Organized a one day get together of college teachers of Economics in Goa on 26-3-1993. Worked as subject expert in colleges.

##### **S.M. Noronha**

1. Member of the Executive Committee of the Indian Society of Labour Economics.
2. Member of the Reconstituted Advisory Committee of the Small Industries Service Institute, Government of India, attached to SI SI, Margao, Goa.
3. Member of the Academic Council of Goa University.
4. Member of the Tourism Research Group, Goa University.

##### **Errol D'Souza**

1. Delivered lectures on All India Radio on topics: (1) "Environment and Development (2) "Economic Review of the year that was".
2. Lecture given at Tourist Guide training course of Government of India on "Socio-Economic Impact of Tourism".
3. Delivered lectures at Academic Staff College, Tourism Research Group, and at Q-Club on topics such as "Mandal Commission", "Preferential policies", Environmental choices, etc.
4. Member, Economics Committee of Goa Chamber of Commerce and Industry.

#### **2.2. DEPARTMENT OF HISTORY**

##### **Teaching and Research Staff:**

1. Dr. K.M. Mathew Reader and Head M.A., Ph.D.
2. Dr.(Miss) Pratima P. Kamat Lecturer M.A., Ph.D.

3. Dr. N. Shyam Bhat            Lecturer  
M.A., Ph.D.
4. Shri Ujjayan Bhattacharya Lecturer  
M.A., M.Phil.
5. Shri Xavier Martins        Research/ Asst.  
M.A.

#### Contributory Teachers:

Dr. Joseph de Barros, M.A., Ph.D. D.Litt.,  
F.R.A.S. General Secretary, Institute Menezes  
Branganza, Panaji.

#### Visiting Teachers:

Dr. Varun Sahni, M.A., Ph.D. from Delhi and a  
Visiting Lecturer at CLAS lectured to the M.A.  
Part II students on Latin American Economy.

#### Details of Research Students:

Name of the guiding Teacher	No. of Students
	Ph.D./M.Phil.
Dr. K.M. Mathew	5
1. Ms. Sharon Antonette, A Fulbright scholar from U.S.A. was affiliated to the Department of History for nine months. She worked on 'Inter-Cultural Relations between the Hindus and Catholics of Goa' under the guidance of Dr. Pratima P. Kamat in the Department.	
2. Shri Ujjayan Bhattacharya, Lecturer in the Department guided one student for M.A. in History, partly by research in lieu of two Elective Courses.	

#### Research Projects:

1. Dr. K.M. Mathew (jointly with Dr. U.M.X. Sangodkar, Head, Department of Bio-Technology and Marine Sciences, Goa University), is working on a Research Project entitled - "Maritime Policies and the state of the knowledge of the seas in Portuguese Goa, 1510-1961". The project is funded by the Indian Council of Historical Research (I.C.H.R.) New Delhi. The I.C.H.R. has sanctioned Rs. 50,000/- for a period of two years. Mr. Xavier Martins is associated with this project as Research Assistant. The work is progressing satisfactorily and is nearing completion.
2. Dr. N. Shyam Bhat is working on a project entitled "Judiciary and Police in Early Colonial South Kanara 1799 - 1862". This is financed by the I.C.H.R. New Delhi. The work is progressing satisfactorily and is nearing completion.

#### Visitors to the Department:

1. Prof. A.R. Kulkarni, Former Chairman of the I.C.H.R. and National Professor, visited the Department.
2. Prof. J.V. Naik, Head of the Department of History, University of Bombay, visited the Department.
3. Prof. V.M. Reddy of S.V. University, Tirupathi.

#### Participation in seminars, Conferences and Workshop etc.:

##### Dr. K.M. Mathew

1. Worked as a Resource Person at a Workshop on Research Methodology organised by the Goa Institute for Historical and Cultural Research at the Directorate of Archives, Govt. of Goa, Panaji on 13th September, 1992. Delivered lectures on 'Source Materials and their Classification'.
2. Organised the XIIIth Session of the South Indian History Congress at Coimbatore, 8-10 January, 1993.
3. Participated in a Seminar on "Women and Law" Some Perspectives on the socio-Legal Status of Women in Goa", 23-24 January, 1993, organised by the Centre for Women's Studies, Goa University.
4. Attended a Seminar on "Restructuring Latin American Economies : Lessons for India, organized by the CLAS, Goa Univeristy, in February, 1993.
5. Director, the VIIth Local History Seminar on History of Goa, organised by the Department of History and the Directorate of Archives, Archaeology and Museum, Govt. of Goa, Panaji, held at Goa University on 18-19 March, 1993.
6. Participated in the XXVIIth Conference of the Indian Association for American Studies at Goa University, 29-31 March, 1993. Presided over one of its sessions.
7. Participated in the Conference of Canadian Studies organised in the Goa University.
8. Attended a Seminar on 'Women Entrepreneurship in Goa' organised by the Department of Commerce, Goa University on 23.3.1993.
9. The ICSSR sponsored Workshop on 'Goan Folklore', organised by the Department of Hisotry on 16 - 17 April, 1993.
10. Resource Person at Refresher Courses in History at Pondicherry, - Tirupati, Bombay,

Dharwar Universities under Academic Staff Colleges.

**Dr. K.M. Mathew** also participated in a number of other academic activities:

- i) Member, Advisory Committee, Academic Staff College, Goa University.
- ii) Member, Advisory Committee, Centre for Latin American Studies, Goa University.
- iii) Member, Advisory Committee, I.C.S.S.R. (WRC) Bombay.
- iv) Member, Board of Studies, CLAS, Goa University.
- v) General Secretary, South Indian History Congress.
- vi) Foreign Students' Advisor, Goa University.
- vii) Executive Editor on Volumes on Social History of Goa, Freedom Movement in Goa, under the Series of Goa through the Ages.

**Dr. Pratima Kamat**

1. Seminar on 'Unity of India Through Law' organised by the Advocates Associations, Goa, in October, 1992. Paper presented : "The Uniform Civil Code : A case for the Unity of India Through Law"?
2. Orientation Course in Evaluation at the Academic Staff College, Goa University on 12-13 September, 1992.
3. Workshop on Research Methodology conducted by the Goa Institute for Historical and Cultural Research at the Directorate of Archives, Archaeology and Museum, Government of Goa, on 13th September, 1992.  
Paper presented : "Bibliography" as a process of Research.
4. Annual Conference of the World University Service (India) at Goa University from 26 - 28 September, 1992.
5. Attended the XIIIth South Indian History Congress hosted by the Government College of Arts & Science, Coimbatore from 8 - 10 January, 1993.
6. Seminar on 'Women and Law' at Goa University on 23 - 24 January, 1993.  
Paper presented : "In the name of the law: 'Herstory' from the Estado da India to liberated Goa as a case for Goa Dourada?"
7. Seminar on 'Restructuring of the Latin American Economies: Lessons for India' organised

by the CLAS, Goa University in February, 1993.

8. VIIth Local History Seminar organised by the Department of History, Goa University and the Directorate of Archives, Archaeology and Museum, Government of Goa, at Goa University on 18-19 March, 1993.  
Paper presented : "The Administration of Public Assistance by the State in Goa : A case Study of the Provedoria".
9. XXVIIth Annual Conference of the Indian Association for American Studies at Goa University from 29-31 March, 1993.  
Paper presented : "A Reappraisal of the Columbia School of 'New History'".
10. Seminar on 'Women Entrepreneurship in Goa' organised by the Department of Commerce, Goa University on 23-3-1993.  
Paper presented : "Institutional Aid to Women Entrepreneurs in Goa : The Role of the R.D.A. and the Women's Cooperative Bank."
11. ICSSR sponsored Workshop on 'Goan Folklore: Theories, Perspectives and Methodologies' organised by the Department of History, Goa University on 16-17 April, 1993 - Jt. Director of the Workshop.  
Paper presented : " 'The Voice of the Past' : A case for the writing of the History of Goa by word of Mouth' ".
12. Seminar - Cum - Workshop on 'Society, Language and Culture : A Case for Konkani held at Goa University on 23 - 24 April, 1993.
13. Workshop on Goan Folkculture organised by the Kala Academy on 29.4.1993.
14. Underwent a course in the Spanish language organised by the Centre for Latin American Studies, Goa University.
15. Resource Person at Orientation Courses, Refresher Courses in History and subject upgradation programme.
16. Resource person at the Refresher Course in History at Calicut University Academic Staff College.
17. Organised study tours of students to the Goa Archives and Museum on 1/2/1993 to Rachol and Pilar, Rivona Caves and Chandor on 25.2.1993, to Old Goa Complex on 7.3.1993.
18. Participated along with the students of M.A. (History) and the N.S.S. volunteers from the Dhempe College of Arts & Science, Miramar,



Panaji, Goa, in the Cleaning Operations conducted by the Archaeological Survey of India, and the Indian Heritage Society (Goa Chapter) at the Arch of Conception, Old Goa, on 7 - 3 - 1993.

Dr. Pratima Kamat has also undertaken academic activities as follows :

1. Elected to the posts of (a) joint Secretary of the South Indian History Congress, (b) Member, National Executive Committee, world University Service (India), (c) Convenor, Folklore Society of Goa.

#### **As a Joint Director, organised**

1. the seminar on 'Women and Law' held at Goa University on 23-24 January, 1993, and
2. the ICSSR Workshop on 'Goan Folklore: Theories, Perspectives and Methodologies' at Goa University, on 16 - 17 April, 1993.
3. The Annual Conference of the World University Service (India) at Goa University from 26 - 28 September, 1992.
4. 80th Indian Science Congress at Goa University from 3-8 January, 1993.
5. 28th National Debate on Co-operative Movement in January, 1993.
6. XXVIIth Annual conference of the Indian Association for American Studies at Goa University from 29-31 march, 1993.
7. Symposium on 'Quit Indian Movement and Goa' organised by the Department of History, Goa University on 8-8-1993.

#### **Dr. N.S. Bhat**

1. Participated in a Seminar on "Women and Law: Some perspectives on the Socio - Legal Status of Women in Goa", 23 - 24 January, 1993, organised by the Centre for Women's Studies, Goa University.
2. participated in the local History seminar (Goa) on "Political and Administrative Institutions in Goa Through the Ages" and a Symposium on "Goa and South East Asia", jointly organised by the Department of History, Goa University, and the Directorate of Archives, Archaeology & Museum, Government of Goa, on 18 - 19 March, 1993.
3. Participated in a ICSSR Workshop on "Goan Folklore : Theories, perspectives and Method-

ologies" organised by the Department of History, Goa University, on 16 - 17 April, 1993.

4. Underwent a Refresher Course in History, Academic Staff College, Goa University, from 13-7-1992 to 1-8-1992. The theme was "Issues in Indian Freedom Movement".

#### **Shri. Ujjayan Bhattacharya**

1. Participated in a seminar on "Women and Law: Some Perspectives on the Socio-Legal Status of Women in Goa", 23-24 January, 1993, organised by the Centre for Women's Studies, Goa University.
2. Participated in the Local History Seminar (Goa) on "Political and Administrative Institutions in Goa Through the Ages" and a Symposium on "Goa and South-East Asia", jointly organised by the Department of History, Goa University, and the Directorate of Archives, Archaeology and Museum, Govt. of Goa, on 18-19 March, 1993.
3. Participated in a I.C.S.S.R. Workshop on "Goan Folklore : Theories, Perspectives and Methodologies" organised by the Department of History, Goa University, on 16-17 April, 1993.
4. Underwent an Orientation Course at Academic Staff College, Goa University, from 1-9-1992 to 30-9-1992.

#### **Research Publications and other Articles:**

##### **Dr. Pratima P. Kamat**

"Native Clerical Protests against the Portuguese Policy of Racism in Goa : The Case of 'the conspiracy of 1787', "Proceedings of the Twelfth Annual Session of the South Indian History Congress" ed. K.K. Kusuman, Trivandrum 1993, pp. 16 -26.

##### **Dr. N.S. Bhat**

- i) "The Sultans of Mysore and Their Relations with the Chieftains of South Kanara", published in The Quarterly Journal of the Mythic Society, Bangalore, April - June, 1992, Vol. LXXXIII, No. 2.
- ii) "Political Relations Between Portuguese Goa and Karnataka 1510 - 1800", accepted for publication in Dr. P. P. Shirodkar (ed.), Goa Through the Ages, Political History of Goa.

## 2.3 DEPARTMENT OF POLITICAL SCIENCE

### Teaching and Research Staff :

1. Dr. Adi H. Doctor Professor & Head  
M.A., Ph.D.
2. Dr. M.J. Audi Reader  
M.A., Ph.D.
3. Dr. Peter R. Desouza Reader  
M.A., M.Phil., D.Phil.(UK)
4. Dr. Mohan M. Sangodkar Lecturer  
M.A., Ph.D.
5. Dr. Muzaffar H. Assadi Lecturer  
M.A., M.Phil., Ph.d.

### Details of Research Students:

Name of the guiding Teacher	No. of Students
	M.Phil./Ph.D.
1. Prof. A.H. Doctor	— 5
2. Dr. M.J. Audi	— 2

### Research Project :

- i) Dr. A.H. Doctor - Working on Ms of a book on "The Political Thought of Modern India".
- ii) Dr. M.J. Audi - Causes and Consequences of Corruption in India.
- iii) Dr. M. Sangodkar - Assigned the task of preparing a Konkani text-book on Political Science for Under-graduate students.
- iv) Dr. M. Assadi - "Understanding the Indian State in the context of politics of rich peasantry : An Analysis of Peasant Movements in Karnataka and Maharashtra". This project has been funded by the ICSSR, New Delhi to the tune of Rs.56,700/-

### Visitors to the Department :

1. Dr. Ashok Modak, Centre of Soviet Studies, University of Bombay, Visited the department on 21st August, 1992 and addressed the students and faculty on "Disintegration of the Soviet Union and Implications for India".
2. Dr. Claude Alvares, Environmentalist and Social Activist, Goa, visited the department on 25th November, 1992 and addressed the students and faculty on the subject of "Science, Culture and Nylon 66".
3. Dr. Arvind N. Das, Associate Editor (Research), Times of India, New Delhi, visited the Department on 12th February, 1993 and addressed the students and faculty on "The Indian State Today".

- 4) Dr. Stan De Mello, School of Social Work, Vancouver, Canada, a Visiting Scholar to Goa University, took three lectures and conducted two seminars with the M.A. Part I students offering the course on Public Administration during August, 1992.
- 5) Dr. Simon Desouza, Dy. Speaker of the Goa Assembly, met the students offering the elective course on Government and Politics of Goa and discussed with them the role of the Speaker and Interest Groups in Goa, 10th Feb. 1993.
- 6) Dr. Carmo Azavedo, author and historian met the students offering the Elective Course on Government and Politics of Goa and discussed with them "The Legacy of Portuguese Colonialism", 11th February, 1993.
- 7) Mr. Jose Philip met the students offering the Elective Course on Government and Politics of Goa and discussed with them the problem of "Migrants of Goa", 17th Feb., 1993.

### Participation in Seminars/Conferences/Workshops:

#### Dr. A.H. Doctor

1. Invited by Mangalore University to deliver 2 lectures. Lectured on Political Theory to the PG students and M.Phil. students of the Political Science Dept. on 19th September, 1992.
2. Conducted two lecture-cum-discussion sessions on "Normative and Behavioural Research in Political Science" at the ICSSR sponsored Workshop on Research Methodology, organised by the Institute of Administrative, Social and Political Studies at Pune on 9th November, 1992.
3. Presented a paper on 'Missionary Teaching and Social Reform in 19th Century India' at the Seminar on "Missionary Expansion and Asian Cultures" organised by the Xavier Centre of Historical Research at Baga, Goa on 18-20 November, 1992.
4. Chaired and moderated the discussion on "Thematic Approach to Science Reporting" at the seminar organised by the Indian Science Congress Association in collaboration with the NIO, Panjim, at NIO on 1st January, 1993.
5. Presented a paper on "Gandhi and Socialism" at the Seminar on "Is there a case for Socialism

today?" organised by the Politics and Philosophy depts of Goa University in collaboration with the Indian Council of Philosophical Research, New Delhi, at T.B. Cunha Hall, Panaji, Goa, on 4th January, 1993.

6. Invited to address the faculty and cadets of the INS Mandovi, Verem, Goa, on "Evolution of the Non-Aligned Movement" on 2nd March, 1993.
7. Participated in the Seminar on "Canada and India" A Comparative Perspective" organised by Goa University and sponsored by the Sashtri Indo-Canadian Studies Institute, New Delhi. Presided over/chaired the second session on comparing the Indian and Canadian federal systems.
8. As Course Co-ordinator organised three UGC sponsored Refresher Courses in Political Science for college and University teachers from the states of Goa, Maharashtra etc. in collaboration with the Academic Staff College of Goa University, 2 - 22 August, 1992, 30 Nov. - 19 Dec. 1992; and 5 - 22 February, 1993.
9. Presented a paper on "The Indian Constitution and Secularism" at the seminar organised at Goa University on "Secularism and Communalism: Conflict in Indian Society" 16th March, 1992.

#### Dr. P.R. Desouza

1. Organised a one day Workshop on 'Is there a case for Socialism?' in collaboration with the Philosophy Department of Goa University and the ICPR, 4th January, 1993. The discussion was lead by Prof. Gerry Cohen, Professor of Political Theory, Oxford.
2. Participated in a seminar on "Contemporary Communalism" at Khandala (Maharashtra) organised by the Vikas Adhyayan Kendra of Bombay, and presented a paper on "Religion and Politics", on 26-28 February, 1993.
3. Organised a workshop for Political Science teachers of Goa University on "The Crisis of the Indian Political System", 13th March, 1993.
4. Organised a seminar on "Communalism and Secularism : The Conflict in Indian Society" in collaboration with the Goa Headmasters' Association and presented a paper on "Political Parties, their Strategies and Consequences", 16th March, 1993.

#### Dr. M.Sangodkar

1. Participated in the seminar on "Restructuring Latin American Economies : Lessons for India", organised by the Centre for Latin American Studies of Goa University, 3 - 4 February, 1993.
2. Presented a paper on "Administrative Institutions in India" at the seminar organised by the History Department and the Directorate of Archives, Panaji, Goa, at Goa University, 18 - 19 March 1993.
3. Attended UGC sponsored Refresher Course in Political Science organised by the Political Science Dept. and the Academic Staff College of Goa University, 3 - 22 August, 1992.

#### Dr. M. Assadi

1. Participated in the Workshop on "New Farmers Movements" jointly organised by the ICSSR and Journal of Peasant Studies (Cambridge) and presented a paper on "Sickle-Bent Discourse: Problem of consensus and Marginalization of Peasant Movements in India," 12 - 14 March, 1993, New Delhi.

#### Publications :

##### Dr. A.H. Doctor

1. "The Man in Gandhian Philosophy", Indian Journal of Political Science, Vol. LIII No. 2 of 1992, Madras.
2. "Dadabhai Naoroaji's Secular Nationalism". Freedom First No.415, October - December, 1993, Bombay.
3. "India in changing Times", Freedom First, No.416, Jan - March 1993, Bombay.
4. Book - Review : Review article entitled "Nehruvian Socialism" (reviewing the book "Nehru : A Study in Indian Socialism" by Ms. P. Kagalkar) published in University News - 19th April, 1993, New Delhi.
5. "Reservations : Relevant Strategy for Upliftment of Scheduled Castes & Tribes" in book "Contemporary India : Opportunities and Challenges", published by the M.A. Pylee Foundation, Cochin, 1993.

##### Dr. M. J.Audi

#### Articles published in newspapers:

1. India's Place in World Balance of Power, Navhind Times, Goa, 23-6-1992.

2. Tilak's Saga of Sacrifice, Navhind Times, Goa, 1.8.1992.
3. Corruption in Indian Universities, Navhind Times, 21.11.1992.
4. In Praise of Socialism, Navhind Times, Goa, 7.1.93
5. Injustice in India, Navhind Times, Goa, 1.4.93
6. Communalism in India, Navhind Times, Goa, 21.4.93
7. Ramjanmbhumivarch Mandir Have, Gomantak, Goa 23.8.93
8. Hume Ani Hindusthan, Gomantak, Goa 28.3.93.
9. Bharatantil Jatiyavadache Bhasmasur, Gomantak, Goa. 7.4.93.
10. President of India, University to-day, New Delhi, 15.7.92.
11. India's Misfortune, University To-day, New Delhi, 15.11.92.

**Dr. P.R. DeSouza**

Book Review : Reviewed the book "Science, Violence and Civilization" by Claude Alvares, in Goa today, 1992.

**Dr.M. Assadi**

"The Indian State, Dalits and Minorities" Sankramana (Kannada Journal), Dharwad, May 1993.

**Any other details:**

**Dr. A.H. Doctor**

1. Member of University Committee for Re-structuring Under-Graduate Courses.
2. Member of Working Group set up by the Executive Council to draft Service Conditions of University teachers.
3. a) Radio talk on "Relevance of the NAM to-day", broadcast by AIR, Panaji, on 22nd Oct. 1992.  
b) Radio talk on "India in the Changing Times", broadcast by AIR, Panaji, on 18th February, 1993.
4. Resource person for the various UGC sponsored orientation and Refresher Courses organised by the ASC of Goa University.
5. Served the University in such capacities as Member of the Executive Council, Academic

Council, Chairman of Board of Studies, Dean of Faculty of Social Sciences etc.

6. Permanent member of the Indian Political Science Association, and member of American Studies Research Centre, Hyderabad, Member of Academy of Social Sciences, Allahabad.
7. Member of the Lions Club International, Porvorim.

**Dr. M.J. Audi**

1. Member of Affiliation Inquiry Committee of Goa University.
2. Member of Selection Committee (experts) for selection of Political Science teachers in colleges of Goa University.
3. Resource person for UGC sponsored Refresher Courses conducted by the ASC of Goa University.
4. Special lectures to teachers attending Orientation Courses of ASC for subject upgradation.
5. Resource Person for Orientation Courses conducted by the ASC of Goa University.
6. Lectures at cultural and social functions organised by the different associations at various places in Goa.
7. a) Radio talk on "Future of Socialism", broadcast by AIR, Panaji, on December, 1992.  
b) Radio talk, "Vichar Dhara, broadcast by AIR Panaji, in February, 1993.

**Dr. P.R. DeSouza**

1. Organised a poster exhibition titled "After Ayodhya : Towards Understanding", at Goa University Applied Science Building - 1 - 6 Feb. 1993.
2. Organised an Open Forum Discussion on "Ayodhya : Issues for a multi-cultural society", at Goa University, Goa, 6th February, 1993.
3. Secretary of concerned Citizens Group formed to de-politicize and de-communalise essentially developmental issues. Organised a Round table on Konkan Railway Controversy.
4. Member of International Political Science Association and American Studies Research Centre.
5. Resource Person for the UGC sponsored orientation and Refresher Courses conducted by the ASC of Goa University.

**Dr. M. Sangodkar**

Resource Person for the Political Science Refresher Course conducted by the ASC of Goa University.

**Dr. M. Assadi**

Attended the UGC sponsored Refresher Course conducted by the Political Science deptt. and Academic Staff College of Goa University, 30 November to 2nd December, 1992.

**2.4 DEPARTMENT OF SOCIOLOGY**

**Teaching and Research Staff :**

- 1. Dr. William R. da Silva  
M.A.,Ph.D. Reader and Head  
(Hamburg)
- 2. Mr. S.R. Phal Reader  
M.A.
- 3. Mr. Alito Siqueira Lecturer  
M.A. (On Study leave)
- 4. Dr. Sasheej Hegde Lecturer  
M.A.,Ph.D.
- 5. Dr. Manjit Singh Lecturer  
M.Sc. (Agri), Ph.D.
- 6. Mrs. Seemanthini Niranjana Lecturer  
M.A. (Leave Vacancy)

**Details of research Students :**

Name of the Guiding Teacher	No. of Students
	M. Phil./Ph.D.
Dr. W.R. Da Silva	— 4
Mr. S.R. Phal	— 3
Dr. A. Nandy & Mr. S.R. Phal	— 1

**Research Projects :**

**W.R. da Silva**

The MS 'Capital Accumulation, Women and Marriage' (SE 19) is being processed for publication.

The 'Alternative Literacy' project, partly financed by DEEDS, Mangalore 575001, is continued in this academic year. The data is being edited for publication (Not ready) Konkani Dictionary Project (1991-99) continues.

**Visitors to the Department :**

- 1. Mr. Stan de Mello, Lecturer in Social Work,

Department of Social Work, British Columbia University was attached to the Department for one month. He gave a lecture to M.A. students of Sociology on 'The Tribes of British Columbia'. He was entrusted with other social work on the campus.

- 2. Dr. Raimando de Andrade, Chairperson, Department of Sociology, University of Ottawa, Ontario, Canada, visited the department and gave two lectures on 'India & Brazil in Development' and 'Tribal Issues of Brazil'.
- 3. Professor Cecil P. Pereira, of the University of Canada, was attached to the Department as Resident Scholar for six months (October to March, 1993-94). He was working on a research project related to ethnic conflict/harmony in Goa.

**Visits Abroad:**

- 1. W.R. da Silva  
Visited the Mission Academy of which he was an alumnus, at the Hamburg University, Germany, the Institute of Evangelical Studies (EMW) at Hamburg, and the student Community (ESG) at Frankfurt University, gave three lectures on 'Religion and Nation', and participated in their discussions.

**Participation in Seminars, conferences and Workshops:**

**W.R. da Silva**

- 1. Orientation Course on Structuralism to Social Scientists/Activists at TISS for four days (16 lectures), November 8-11, 1992.
- 2. One day seminar on "Popular Devotion and Theological Discourse" at De Nobili College on November, 14, 1992.
- 3. Participation in Politics and Literature Seminar at Kuvempu University, Shimoga, from March 7-8, 1993 with a research paper.
- 4. Participation and reading of a research paper at Vikas Adhyayan Seminar, Khandola, February, 1993.

**Research Publications and othr Articles:**

**Seemanthini Niranjana**

- 1. 'Discerning Women : Orations on the Theme of Gender - A Review', Indian Journal of Social Science, 5(4) 1992, pp. 393-412.

2. With Sasheej Hegde, 'Junctures - of the Religious and the (non) feminine, 1993 under communication to Indian Sociology.

#### Manjit Singh

Uneven Development in Agriculture and Labour Migration (under print).

#### Sasheej Hegde

"Lawyering and Litigating in Indian Courts : Some Litigant Perceptions" National law School Journal (forthcoming).

2. "Re-memembering the Present : Notes as if in Parenthesis" in Journal of Arts and Ideas (forthcoming).
3. Junctures : Of the Religious and the (Non) Feminine 1993" (with Seemanthini Niranjana) Contributions to Indian Sociology (Under communication).

#### S.R. Phal

"Suicide : Theories, Types, Causes and Management" in Jogan Shankar (ed) Social Problems & Social Welfare Measures in India, Ashish Publishing House, New Delhi, 1992, pp. 101 - 111.

#### W.R. da Silva

1. "Political Canopy and Production of Literature" in Chennai, Inscape 1993 (communicated).
2. "Dalit as a Category of Encounter with Religious Discourse in India" in Vikas Adhyaya Kendra Publication, Bombay, 1993 (Communicated).
3. "Ex Oriente Lux" in T.R.D'Souza's book (Vol.III), 1993.
4. "Religion, Nation and the Post Modern" in JDV Publication 1993.

## 2.5 DEPARTMENT OF PHILOSOPHY

### Teaching and Research Staff :

1. Dr. R.A. Sinari Professor and Head  
M.A.(Phil.), Ph.D.
2. Dr. A.V. Afonso Reader  
M.A. (Phil.), M.A.(Soc.),  
Ph.D.
3. Dr. U.A. Vinay Kumar Lecturer  
M.A.,(Phil.), Ph.D.
4. Dr. A. Raghu Rama Raju Lecturer  
M.A.(Phil.), Ph.D.

5. Mrs. Sanjyot D. Pai Vernekar  
M.A.(Phil.) Lecturer
6. Miss Menezes Maria Norma  
Junior Research Fellow, ICPR, Delhi,  
Till August, 1992.
7. Mrs. Milan B. Desai  
Junior Research Fellow, ICPR, Delhi  
Since August, 1992.

### Details of Research Students :

Name of the Guiding Teacher	No. of Students M.Phil./Ph.D.
-----------------------------	----------------------------------

- |                     |     |
|---------------------|-----|
| i) Dr. R.A. Sinari  | — 4 |
| ii) Dr. A.V. Afonso | — 4 |

Mrs. Kamladevi Kunkolienkar, a student who researched under the guidance of Dr. A.V. Afonso, was declared eligible for the Ph.D. degree in Philosophy in March, 1993.

### Research Project :

- i) The UGC has sanctioned a grant of Rs.1,73,000/- for the Research Project titled 'A Phenomenological Study of Indian Religiosity'. The Chief Conductor of the Project is Prof. R.A. Sinari.
- ii) A one year research Fellowship was awarded to Dr. Raghu Rama Raju by Indian Institute of Advanced Study, Shimla for research at the Institute in Shimla.

### Visitors to the Department :

- i) Prof. G.L. Pandit, Department of Philosophy, University of Delhi lectured in this Department on "Scientific Change: Kuhn and Popper".
- ii) Prof. A. Gupta, Professor of Philosophy in IIT Bombay, lectured in this department on "Philosophical Logic".
- iii) A Refresher Course in Philosophy (Duration ; 3 weeks), under the management of the Academic Staff College of our University was conducted. The focus of the course was "Phenomenology and the Philosophy of Science". The course was attended by 43 teachers of Philosophy from colleges and universities in Goa and elsewhere. The resource persons for the course were invited from Delhi University, IIT - Bombay, Central University (Hyderabad), ICPR New Delhi, Goa Medical College and from our own University. Dr. P.R. Dubhashi, Goa University's Vice-Chancellor inaugurated and Dr. R.A. Sinari coordinated the course.

- iv) The Department of Philosophy and I.C.P.R., New Delhi organised a one-day Workshop on 'Is there Still a Case for Socialism?' in T.B. Cunha Hall, Panaji. The Chief Speaker at the Workshop was Professor Gerry Cohen of Oxford University. The Department of Political Science collaborated in conducting the Workshop. Dr. P.R. Dubhashi, the Vice - Chancellor of Goa University inaugurated the Workshop.

#### Participation in Seminars, Conference and Workshops:

##### Dr. R.A. Sinari

- i) was an invitee to the Afro-Asian Philosophy Conference, New Delhi. He presented a paper titled "Life-World and Philosophy" at the conference.
- ii) was invited to lecture in the Department of Philosophy, Delhi University. The subject was : "Phenomenology of Human Consciousness".

##### Dr. A. Raghu Rama Raju

- i) was an invitee to the NISTAD Workshop on "Rationality in Cognitive Sciences and Social Sciences" in New Delhi. He presented to the Workshop a paper titled "The Project of Rationality and the Discipline of Social Sciences".

##### Mrs. Sanjyot D. Pai Vernekar

- i) attended the Refresher Course in Philosophy ("Phenomenology and the Philosophy of Science") organised by the Academic Staff College of Goa University.
- ii) Attended one-day seminar on "Is There Still A Case For Socialism?" organised by the Department of Philosophy and Department of Political Science at T.B. Cunha Hall, Panaji, on 4th January, 1993.

#### Research Publications and Other Articles:

##### Dr. R.A. Sinari

- i) "Life-World (Lebenswelt) and Philosophy" in Proceedings of the Afro-Asian Philosophy Conference, ICPR, New Delhi, 1992.
- ii) "The Culture of Peace in India's Tradition" in Tolerance in Indian Culture, ICPR and Motilal Banarasidas, New Delhi, 1992.
- iii) "The Plurality of Philosophies and the Possibility of a Universal Ontology" (Revised) in Boletim do Instituto Menezes Branganza, Goa 1993.

- iv) "The Quest for Atman : An Essay in Philosophical Anthropology" in Philosophy, Religion and Art, ICPR, Delhi, 1993.

#### Any other Details:

Dr. R.A. Sinari

- 1) is the Editor of "Philosophical Entries" to the Encyclopaedia India (a Birla Foundation enterprise).
- 2) was awarded Membership/Fellowship of the Institute Menezes Branganza, Goa.
- 3) was the external referee to Ph.D. theses of the Universities of Burdwan, Poona, Delhi, Punjab (Chandigarh) and NEHU (Shillong).
- 4) Re-appointed on Board of International Society for Universalism, Warsaw, Poland.

### 3.1 DEPARTMENT OF MATHEMATICS

#### Teaching and Research Staff:

1.	Dr. S.G. Deo	Professor & Head
	M.Sc., Ph.D.	
2.	Dr. Y.S. Prahalad	Reader
	M.Sc., Ph.D.	
3.	Dr. M.T. Nair	Reader
	M.Sc., Ph.D.	
4.	Mr. A. Banerjee	Lecturer
	M.Sc.	
5.	Dr. A.J. Jayanthan	Lecturer
	M.Sc., M.Phil; Ph.D.	
6.	Dr. M. Ganesh	Lecturer
	M.Sc., Ph.D.	
7.	Mr. Y.S. Valaulikar	Lecturer
	M.Sc., DHE; M.Phil.	
8.	Mr. S.B. Mesquita	S.R.F.
	M.Sc., M.Phil.	
9.	Mr. S. George	S.R.F.
	M.Sc.	
10.	Mr. S.D. Barreto	J.R.F.
	M.Sc.	

#### Details of Research Students:

Name of the Guiding Teacher	No. of Students	
	M.Phil.	Ph.D.
Dr. Y.S. Prahalad	—	2

Dr. M.T. Nair	—	1
Dr. A.J. Jayanthan	1	—

#### Visitors to the Department :

1. Prof. D.V. Pai, Dept. of Maths, I.I.T. Bombay, delivered two lectures on "Approximation theory" under Dr. D.B.Wagh Endowment programme.
2. Prof. K.S. Amur, Dept. of Maths, Karnataka University, Dharwad, visited the department and delivered a lecture on "Differential Geometry".

#### Visits Abroad:

Dr. M. Ganesh visited SERC (U.K.) as visiting Fellow at School of Mathematical Sciences, University of Bath from 1-4-1993 to 30-6-1993.

#### Participation in Seminars, Conferences and Workshops:

Dr. M. Ganesh presented a paper in the International Conference on Computational Mathematics held at Indira Gandhi Open University, Delhi, from January 3-8, 1993.

#### Research Publications and Other Articles:

1. Dr. M.T. Nair : On strongly stable approximations; J.Austral. Math. Soc. (Series A) 52 (1992) 251-260.
2. Dr. M. Ganesh : A BIE method for a nonlinear BVP; J. Computational & Applied Mathematics, 45 (1993), 299-308.

#### Any Other Details:

Department published the proceedings of the International conference on Differential Equations and its applications to Oceanography in Sept. 1992, under the editorship of Dr. S.G. Deo and Dr. Y.S. Prahalad.

### 3.2. DEPARTMENT OF PHYSICS

#### Teaching and Research Staff :

1.	Dr. R.B. Prabhu	Professor & Head
	M.Sc., Ph.D.	
2.	Dr. J.A.E. Desa	Reader
	M.Sc., Ph.D.	

3.	Dr. P.R. Sarode	Reader
	M.Sc., Ph.D.	
4.	Dr. G.M. Nayak	Reader
	M.Sc., Ph.D.	
5.	Dr. G.R. Bhat	Lecturer
	M.Sc., Ph.D.	
6.	Dr. (Miss) Uma Subramanian	Lecturer
	M.Sc., Ph.D.	
7.	Dr. R.B. Tangsali	Lecturer
	M.Sc., Ph.D.	
8.	Dr. S.D. Deshpande	Lecturer
	M.Sc., Ph.D.	

#### Contributory Teachers:

1. Shri S.N. Pai Raiturkar, Lecturer, S.P. Chowgule College, Margao delivered 14 lectures.
2. Shri S.M. Sadique, Lecturer, S.P. Chowgule College, Margao, delivered 22 lectures.

#### Details of Research Students:

Name of the Guiding Teacher	No. of Students	
	M.Phil.	Ph.D.
Dr. R.B. Prabhu	2	4
Dr. J.A.E. Desa	2	-
Dr. P.R. Sarode	3	4

Following students completed the M.Phil. course and were declared successful for M.Phil. degree:

1. Shri Efrema Desa  
Thesis : Resistivity and Thermopower of Antiferromagnetic system  $MnTe_y Se_{1-y}$ .
2. Shri D.A. Aga,  
Thesis : Green Function Theory of the Resonating Valence Bond Superconductor.

#### Research Project:

1. Dr. R.B. Prabhu and Dr. P.R. Sarode Title of the project : Neutron Scattering Study of Rare Earth Based Kondo Systems.  
Sponsored by Inter-University Consortium and Department of Atomic Energy.
2. Dr. J.A.E. Desa  
Title of the project : Structural Studies of Glasses using Small Angle Neutron and X-ray Scattering.  
Sponsored by Inter-University Consortium and Department of Atomic Energy.



### Visitors to the Department:

Dr. C.K. Majumdar, Director of S.N. Bose Institute, Calcutta. Delivered a lecture on "Condensed Matter Physics".

### Participation in seminars, conferences and Workshops:

1. Prof. R.B. Prabhu acted as the course Director of the Fourth Science and Engineering Research Council (SERC) School of Nuclear Physics held from 7th to 27th Feb. 1993 at Goa University. The School was sponsored by the Department of Science and Technology (Government of India).
2. Dr. P.R. Sarode
  - a) Participated in National Seminar on Recent Trends in Photon-Atom Interactions, organised by the Physics Department, Karnataka University, Dharwad during November 2-3, 1992 and delivered a talk on Local Structure Determination by X-ray Absorption.
  - b) Attended a INDUS-2 User's meeting convened by the Director, Inter-University Consortium for DAE Facilities, on August 7, 1992 held at CAT, Indore, to discuss proposed Synchrotron Radiation Beam-Lines for University Personnel and Made a brief presentation on Instrumentation for EXAFS Studies.
3. Dr. J.A.E. Desa delivered invited lectures at the IUC sponsored course on "Introductory Course on Neutrons a Probes of Condensed Matter - IV" at Indore from Oct. 31st to Nov. 13th, 1992 and also delivered two lectures on "Small Angle Neutron Scattering from Glasses".
4. Dr. S.D. Deshpande
  - a) Attended Workshop on Radiation Physics organised by the Indian Physics Association (Nagpur Chapter) and the BARC, Bombay at Nagpur University from 16th to 20th December, 1992.
  - b) Attended Discussion meeting on "Strongly Correlated Systems in Chemistry : Theory and Experiment" organised by the JNCAS, IISc, Bangalore in January, 1993.

**Research Publications and other Articles:**  
"Anomalous Hall Effect in Cerium Based Kondo Systems" R.B. Prabhu & A.F. Barbosa, *Physica Status Solidi* (b) 179, 431 (1993).

### 3.3 DEPARTMENT OF CHEMISTRY

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

#### Teaching and Research Staff:

1.	Dr. S.K. Paknikar, M.Sc.,Ph.D.	Professor
2.	Dr. V.N. Kamat Dalal, M.Sc.,Ph.D.	Professor
3.	Dr. J.K. Kirtany M.Sc., Ph.D.	Reader
4.	Dr. B.D. Desai M.Sc.,Ph.D.	Reader
5.	Dr. J.S. Budkuley M.Sc.,Ph.D.	Reader
6.	Dr. K.S. Rane M.Sc.,Ph.D.	Reader
7.	Dr. J.B. Fernandes M.Sc.,Ph.D.	Lecturer
8.	Dr. S.P. Kamat M.Sc.,Ph.D.	Lecturer
9.	Dr. V.P. Kamat M.Sc.,Ph.D.	Lecturer
10.	Dr.A.V. Salker M.Sc.,Ph.D.	Lecturer
11.	Dr. S.G. Tilve M.Sc.,Ph.D.	Lecturer
12.	Dr. B. Dasgupta M.Sc.,Ph.D.	Lecturer
13.	Dr. B.R. Srinivasan M.Sc.,Ph.D.	Lecturer
14.	Dr. N. Chandrasekhar M.Sc.,Ph.D.	Lecturer

In addition to the regular teaching staff Dr.(Mrs.) Suneeta Nair completed her term as a C.S.I.R. Pool Officer and joined the department as a Research Associate of CSIR. Dr. V.P. Kamat received recognition as a Ph.D. guide during this academic year. Dr. J.S. Budkuley has been awarded 'Visiting Associateship' of CSIR for a period of two years.

### Contributory Teachers :

During the year contributory teaching was done by the following teachers :

1. Prof. S.R. Gadre, Department of Chemistry, University of Poona, Pune.
2. Dr. A.H.M. Siddalingaih, Department of Chemistry, Karnatak University, Dharwad.
3. Dr. Vijaymohan, National Chemical Laboratory, Pune.
4. Dr. D. D. Dhavale, Department of Chemistry, University of Poona, Pune.
5. Dr. U.M.X. Sangodkar, Department of Marine Biotechnology, Dr. R.B. Tangsale, Department of Physics, Dr. (Mrs.) Suneeta Nair, Pool Officer (CSIR) Goa University and Dr. P.R. Pednekar, Hindustan Ciba-Geigy Goa participated in the teaching programme.

### Details of Research Students:

Name of the Guiding Teacher	No. of Students	
	M.Phil.	Ph.D.
Prof. S.K. Paknikar	—	3
Dr. B.D. Desai	—	1
Dr. J.S. Budkuley	—	2
Dr. K.S. Rane	—	2

The research student working under the guidance of Dr. B.D. Desai discontinued his research work.

### Research Projects : (Ongoing)

1. Prof. S.K. Paknikar and Dr. V.P. Kamat 'Medicinal Plants of Goa : Chemical Examination in search of Bio-active Compounds'. Funded by Govt. of Goa (Duration 2 years).
2. Dr. J.B. Fernandes and Dr. J.S. Budkuley 'Research and Development of a Fuel Cell. An Alternate Energy Source'. Funded by Govt. of Goa. (Duration 3 years).
3. Dr. J.B. Fernandes and Dr. J.S. Budkuley 'Ammonolysis of C<sub>1-4</sub> alcohols over Zeolite Catalysts'. Funded by DST, New Delhi. (Duration 2 years).
4. Dr. A.V. Salker  
"Development of Industrial and Auto-exhaust gas treatment catalysts". Funded by CSIR, New Delhi. (Duration 3 years)

5. Dr. S.G. Tilve

'An approach towards total synthesis of (±) — cervinomycin — A<sub>1</sub>'. Funded by DST, New Delhi. (Duration 2 years)

6. Dr. V.P. Kamat

'Studies on Terpenoids', Funded from UGC unassigned grants, Goa University. (Duration 2 years).

Some staff members have submitted research projects for financial assistance to various funding agencies, such as CSIR, DST etc.

### Visitors to the Department:

- i) Dr. Nitin Borkar, German Remedies, Goa delivered a lecture on 'Validation in Pharmaceutical Industry' (September 21, 1992).
- ii) Dr. U.R. Kapadi, Post-graduate Centre, Shivaji University, Kolhapur delivered a lecture entitled 'Fundamental Aspects of Polymer Chemistry' (September 28, 1992).
- iii) Dr. M.V. Paradkar, Garware College, Pune delivered a talk entitled 'Synthesis of Naturally Occurring Heterocycles' (March 10, 1993).
- iv) Prof. H.P. Tiwari, Department of Chemistry, University of Allahabad.
- v) Prof. D.P. Chakraborty, Gen. Secretary, ISCA, Calcutta.
- vi) Prof. R.C. Mehrotra, Emeritus Professor of Chemistry, University of Rajasthan, Jaipur.
- vii) Dr. S.C. Pakrashi, Former Director, Indian Institute of Chemical Biology, Calcutta.
- viii) Prof. D.K. Chattoraj, Jadavpur University, Calcutta.
- ix) Dr. N.K. Uberoi, Director, Centre for Professional Development in Higher Education, University of Delhi, Delhi.
- x) Prof. K.V. Sane, Instrumentation Centre, University of Delhi, Delhi.

### Visits Abroad:

1. Dr. J.B. Fernandes is presently working at the State University of New York as a post-doctoral fellow and is on study leave.
2. Dr. S.P. Kamat returned back in December 1992 after successful completion of the teaching and research assignment at California Polytechnic University, California, U.S.A.

3. Dr. K.S. Rane spent three months at the University of Karlsruhe, Germany under reinstitution programme of DAAD, Germany.
4. Prof. S.K. Paknikar attended the 12th International Congress of Flavours fragrances and Essential Oils, held in Vienna, Austria during October 4-8, 1992. He also visited Germany and delivered lectures at University of Freiburg; Freiburg, University of Erlangen, Erlangen, Bonn University; Bonn, Max Plank Institute; Mulheim/Ruhr, Dragoco; Holzminden.

#### Participation in Seminars, Conferences and Workshops:

- a) Following papers were presented by the staff members:
  1. 'Contribution to the Chemistry of Patchouli Oil-Structure of a Fragrant Sesquiterpene Ketone, S.K. Paknikar, 12th International Congress of Flavours, Fragrances and Essential Oils, Vienna, Austria (October 1992).
  - ii) 'Action of Phosphorus pentachloride on Isolongifolol - Characterization of Tri-isologifolyl Phosphate, V.P. Kamat, 80th Indian Science Congress, Goa (January 1993).
  - iii) 'Electron Spin Resonance of copper vanadates', A.V. Salker, D.K. Chakrabarty and H.V.Keer, 80th Indian Science Congress, Goa (January 1993).
  - iv) 'Reduction of nitric oxide by carbon monoxide over some vanadium oxides' 11th National Symposium on Catalysis, Hyderabad. (April 1993).
  - v) 'Comparison of the Effects of Cyclosporine-A and Cyclosporin-G on ADP stimulated platelet aggregation', J.B. Fernandes, United States National Symposium of Clinical Research, U.S.A. (April 1993).
- b) Weekly Seminar Session is a very important activity of this department. The M.Sc. students, research students, faculty members deliver seminar talks. Lectures by visitors are also arranged on the weekly seminar day as far as possible. Dr. J.S. Budkuley, Dr. B.R. Srinivasan, Dr. K.S. Rane delivered lecture/s during the academic year.
- c) The department and the Academic Staff College, Goa University jointly organised a need based refresher course in Chemistry for Goa teachers. A workshop on low cost fabrication of

analytical instruments was a special feature of this course. The course was inaugurated by Prof. R.S. Lawande, Ex-Principal, Science College, Ambejogai, Maharashtra. Dr. N. Chandrasekhar, Dr. V.P. Kamat, Dr.S.P. Kamat and Dr.A.V. Salker attended this course.

- d) Prof. S.K. Paknikar worked as Local Secretary for the 80th Session of Indian Science Congress on behalf of Goa University. Teachers and students from various departments actively participated in organising this big event which was inaugurated by the Prime Minister of India. A separate room has been identified as 80th Science Congress room in the department to display the posters depicting the History of Science Congress.
- e) Dr. V.P. Kamat attended a Orientation Course on 'Evaluation' conducted by Academic Staff College, Goa University. He also delivered invited lectures entitled 'Genesis of Polymers' and 'Newer Methods of Pest Control' under the auspice of Indian Rubber Institute Goa Chapter.
- f) Dr. J.S. Budkuley, K.S. Rane, A.V. Salker, B.R. Srinivasan, V.P. Kamat and Prof. S.K. Paknikar delivered lectures in the subject upgradation programme at different orientation courses arranged by the Academic Staff College.
- g) Prof. S.K. Paknikar delivered lectures at the refresher course in Chemistry organised by Department of Chemistry, University of Poona, Pune (June 1993).

#### Research Publication and other Articles:

##### Dr. N. Chandrasekhar

Electron transfer from nucleobase electron adducts to 5 - bromouracil. Is guanine an ultimate sink for the electron in irradiated DNA? With Z. Yuan, M.N. Schuchmann and C.Von Sonntag, Int. J.Radiat, Biol.62 527 (1992).

##### Prof. S.K. Paknikar

Molecular Rearrangement of Longifolene by *Arthrobacter ili cis T<sub>2</sub>* with S. Bhonsle, S.M. Kaliwal and S.Mavinkurve, Applied and Environmental Microbiology, 59, 1691 (1993).

Revised Structure and Stereochemistry of Jatamansic acid, with G. Rucker, R. Mayer, E.Breitmaier, G.Will and L. Wiehl, Phytochemistry, 33 141(1993).

### Dr. A.V. Salker

Reduction of nitric oxide by carbon monoxide over some vanadium oxides, with D.K. Chakraborty and H.V. Keer, Proc. 11th National Symposium on Catalysis, 97 (1993).

## 3.4 DEPARTMENT OF GEOLOGY

### Teaching and Research Staff:

- |    |                                    |               |
|----|------------------------------------|---------------|
| 1. | Dr. P.S. Raikar<br>M.Sc., Ph.D.    | Reader & Head |
| 2. | Dr. A.G. Dessai<br>M.Sc., Ph.D.    | Reader        |
| 3. | Dr. T.A. Viswanath<br>M.Sc., Ph.D. | Lecturer      |
| 4. | Dr. K. Mahender<br>M.Sc., Ph.D.    | Lecturer      |
| 5. | Dr. A.G. Chachadi<br>M.Tech, Ph.D. | Lecturer      |
| 6. | Mr. Anthony Viegas<br>M.Sc.        | J.R.F.        |

### Contributory Teachers:

1. Dr. M.S. Mannikeri, Professor of Geology from Karnataka University, Dharwar, delivered lectures in Principles of Stratigraphy and Palaeontology.
2. Dr. V.V. Peshwa, Reader in Remote Sensing, Department of Geology, University of Poona delivered lectures and practicals in elective course Remote Sensing.

### Details of Research Students:

Name of the Guiding Teacher	No. of Students M.Phil. Ph.D.
Dr. A.G. Dessai	— 1

### Research Project:

1. "Analysis of unsteady flow to a large diameter well tapping multi-aquifer system" UGC sponsored minor research project under the Principal Investigator of Dr. A.G. Chachadi.
2. Microfacies analysis of Miliolitic Limestones of Diu, Western Indian sponsored by Department of Science and Technology, New Delhi, Principal Investigator.

### Dr. K. Mahender.

3. "Petrology of xenolith bearing Alkaline dyke-

swarm associated with Deccan volcanism, South of Bombay, sponsored by Department of Science and Technology, New Delhi. Principal Investigator Dr. A.G. Desai.

### Visitors to the Department :

1. Prof. B. Sheik Ali, Ex-Vice-Chancellor, Goa University.
2. Prof. K.K. Singh, Vice-Chancellor, Jiyagi University, Gwalior.
3. Prof. K.B. Powar, Ex-Vice-Chancellor, Shivaji University.
4. Prof. R.K. Bannerji from Department of Earth Sciences, I.I.T. Bombay; Prof. R.K. Sukhtankar, Head, Department of Geology, Kolhapur, Shivaji University and Prof. N.M. Vashi from Department of Geology, M.S. University, Baroda.

### Visits Abroad:

Dr. A.G. Dessai, Department of Geology was sponsored by Goa University on CSIR-CNRS fellowship for visiting France, under the Indo-French Cultural Exchange Programme from 6.11.92 to 12.12.92. Dr. Dessai also delivered lectures on Deccan Magmatism at Ecole Normale Supérieure de Lyon, France.

### Participation in Seminars, Conferences and Workshops:

1. Dr. K. Mahender participated in the D.S.T. sponsored 9th Group Monitoring Workshop in Earth Sciences at Mysore University held on 10th and 11th December, 1992.
2. Dr. A.G. Dessai attended the third Group Monitoring Workshop of Department of Science and Technology held at Pune on 17th and 18th December, 1992.

### Research Publications and other Articles:

1. "Discrete Kernel Solution to Multi-aquifer large diameter well" published in Proceeding International on hydraulic engineering software "Hydrosoft-92" - Spain by Dr. A.G. Chachadi (with Ranganna and John).
2. Texture, Mineralogy and Sedimentation of Goa Coast: A comparative study of North and South Goa Beaches, West Coast of India. In Jingstan, V.(ed.): Recent Researches in Sedimentology, PP. 203-213 - 1992, Hindustan Publishing Cor-

poration, New Delhi by Dr. K. Mahender (with Carvalho and Borcar).

#### Any other Details:

Field training programme was conducted separately for M.Sc. Part I and Part II students during October/November 1992 and about fifteen days were spent in the field programme. M.Sc. Part I students visited Badami, Gadag Gold prospects, Vajrakaroor, Salem Magnesite, Bangalore granites accompanied by Dr. T.A. Vishwanath and Dr. A.G. Chachadi, M.Sc. Part II students visited Pavagarh, Ambadongar Fluorite deposits, Space Application Centre (SAC) and Institute of Reservoir Studies (IRS-ONGC) Ahmedabad, Zawar Pb-Zn mines and Jhamarkotra Phosphate Deposits in Rajasthan Accompanied by faculty members Dr. A.G. Dessai and Dr. P.S. Raikar as a part of geological field mapping and training programme. A good collection of samples were made for the Departmental Museum.

### 3.5 DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

The year 1992-93 is the sixth year since the Department of Computer Science & Technology was set up and started MCA degree program. During the year under report 23 students got selected for admission to the six semester MCA course. The functioning of the Computer Laboratory installed with a UNIX based system was generally satisfactory through-out the academic year with all three batches of MCA students getting minimum 4-5 hours of Computer time every week.

#### 1. Teaching and Research Staff

- |    |  |               |
|----|--|---------------|
| 1. | Dr. Pralhad R. Rao   | Reader & Head |
|    | M.Sc., Ph.D.   |               |
| 2. | Shri S.A.M. Rizvi  | Lecturer      |
|    | M.Sc.(Maths),<br>P.G. Diploma in Computer Science.                             |               |
| 3. | Shri V.V. Navelkar   | Lecturer      |
|    | M.Sc.(Computer Science),<br>M.S. (Industrial Management<br>System Engineering) |               |
| 4. | Miss Yma Pinto   | Lecturer      |
|    | M.C.A.   |               |
| 5. | Mrs. Jyoti D. Pawar  | Lecturer      |
|    | M.C.A.   |               |

#### 2. Contributory Teachers:

1. Dr. H. Shreekumar, Dept. of Management Studies, Goa University delivered 40 lectures on 'Computer Assisted Management'.
2. Mrs. U.A. Katre, Chowgule College of Arts & Science delivered 44 lectures on "Data and File Structure"
3. Shri Lalitkumar B. Shah, Chartered Accountant, Panaji, delivered 40 lectures on "Accounting & Financial Management".
4. Shri S.S. Kulkarni, and Mrs. A.S. Kulkarni, Chowgule College of Arts & Science delivered 40 lectures on "Systems Software and Computer Programming" and another 40 lectures on "Computer Organisation and Assembly Language Programming".
5. Shri Ramdas Karmali, Customer Support Executive delivered 15 lectures on "P-C. Productivity Tools".
6. Ms. Sharmila Veloso, Nirmala Institute of Education, delivered 30 lectures on "Communication Skills".
7. J.B. Nadda, Dept. of Management Studies, Goa University delivered 40 lectures on "Organisation Structure and Personnel Management".
8. Dr. Y. Valulikar, Dept. of Mathematics, Goa University delivered 33 lectures on "Computer based Numerical and Statistical Techniques."

#### 3. Visiting Teachers :

1. Dr. S.P. Mudur, Head, Graphics division, NCST Bombay delivered 17 lectures on "Computer Graphics"
2. Shri V.V. Kamat was sent by NCST Bombay to deliver 15 lectures on "Computer Graphics" and 12 Pictures on "Interactive Computer Graphics"
3. Dr. S. Ramani, Director, NCST, Bombay delivered 17 lectures on "Data Communication Network & Distributed Processing".
4. Shri N.N. Raju, Scientist, NCST, Bombay delivered 35 lectures on "Systems Analysis and Design".

5. Shri K.G. Satam, Scientist, NCST Bombay delivered 17 lectures on "Data Communication Network & Distributed Processing".
6. Shri Ajay Kumar Gupta, Scientist, NCST Bombay delivered 37 lectures on "Unix and Shell Programming".
7. Shri Anant G. Joshi and Shri Bharat N. Desai, Scientist, NCST Bombay delivered 30 lectures on "Computer System Performance and Analysis".

#### 4.1 DEPARTMENT OF BOTANY

##### 1. Teaching and Research Staff:

- |    |                        |          |
|----|------------------------|----------|
| 1. | Dr. B.F. Rodrigues     | Lecturer |
|    | M.Sc., Ph.D.           |          |
| 2. | Dr. P.K. Sharma        | Lecturer |
|    | M.Sc., Ph.D.           |          |
| 3. | Dr. (Mrs.) V.V. Kerkar | Lecturer |
|    | M.Sc., Ph.D.           |          |
| 4. | Dr. M.K. Janarthanam   | Lecturer |
|    | M.Sc., M.Phil., Ph.D.  |          |

1. Dr. P.D. Chavan, Reader, Dept. of Botany, Shivaji University, Kolhapur delivered 4 lectures.
2. Prof. M.L. Srivastava, Dept. of Biological Sciences, Simon Fraser University, Canada delivered 2 lectures.

##### Research Project:

1. Energy Plantations at Goa University, DNE Goa Rs.5,00,000, 5 years.  
Chief Investigator - Dr. B.F. Rodrigues.
2. "Survey, Screening and Selection of metal tolerant native plant species for launching an effective revegetation programme of Iron ore mines in Goa" DST Goa Rs. 2,26000, 3 years.  
Chief Investigator - Dr. B.F. Rodrigues.
3. Effectiveness of UV-B radiation and interaction with high CO<sub>2</sub> & Temperature on growth, physiology and bio-chemistry of wheat. DST, New Delhi - Rs.2,58000.  
Chief Investigator - Dr. P.K. Sharma.

#### Participation in Seminars, Conferences and Workshops:

##### Dr. B.F. Rodrigues

Workshop "Evaluation Techniques" organised by Academic Staff College, Goa University - 12-13th September, 1992.

##### Dr.(Mrs.) Kerkar V.

Workshop on "Biodiversity of Goa", P.E.S. College of Arts & Science, Farmagudi on 16-2-1992.

##### Dr. M.K. Janarthanam

DST sponsored training programme on "Modern methods in Plant Taxonomy" held at Calicut University from 2-26th March, 1993.

All the Staff Members of the Department:

1. Participated in the 80th Annual Session of "Indian Science Congress Association" held in Goa from 3-8th January, 1993.
2. Attended workshop on "Plantation Programmes in Industries & Allied Complexes" held at Goa University on 30th January, 1992.

##### Research Publications and other Articles:

1. Rodrigues B.F. & S.G. Torne (1992). Effect of VAM - Rhizobium interaction on nodulation and total biomass of *Canavalia gladiata* (Jacq.) DC.(Swordbean) Plant Cell Incompatibility Newsletter 24: 47-50 (USA).
2. Rodrigues B.F., H.N.Nyabuto & S.G. Torne (1992).  
Herbaceous flora in the disturbed areas of Iron Ore mines in Goa. Journal of Economic & Taxonomic Botany 16(1) : 95-98.
3. Rodrigues B.F. (1992). Characteristics of Iron Ore mine wastes in North Goa. Indian Science Congress. Abstract No. 327, pp. 199.
4. Sharma P.K. & Hall D.O. (1992). Changes in carotenoid composition & photosynthesis in sorghum under high light and salt stress. J. Plant Physiol. 140 : 661 - 666.
5. Sharma P. K. & Hall D.O. (1992). The role of carotenoids in protection against photo inhibition in Photo-synthesis, photoreaction to plant productivity (Abroal Y.P., Mohanty P & Govindjee eds.), pp. 469 - 478. INH, New Delhi.

6. Sharma P.K. & Singhal G.S. (1992). Effect of photo-inhibition on photosynthesis and lipid peroxidation. *J. Photochem. Photobiol. B.Biol.* 13 : 83 - 94.
7. Sharma P.K. & Singhal G.S. (1992). Effect of water stress on primary photosynthetic process: Interaction with light and temperature. *Ind. J. Biochem. Biophys.* 20: 10-14.
8. Sharma P.K. & D.O. Hall (1992). Changes in Carotenoid composition and photosynthesis in Sorghum under light and salt. *J. Plant Physiol.* 146 : 661-666.
9. Sharma K.K. and G.S. Singhal (1992). Effect of water stress on primary photosynthetic process. *Ind. J. Biochem. Biophysic* 30 : 10-14.
10. Ambiye Vijaya and A.G. Untawale (1992). Deep water Marine algal flora of the submerged banks of West Coast of India in *Oceanography of the Indian Ocean*. Edtd. by B.N. Desai 247 - 251.
11. Kamat S.Y, S. Wahidulla, C.G. Naik, L. D'Souza, Vijaya Kerkar, D.S. Bhakuni, A.K. Goel, H.S. Garg and R.C. Srimal (1992). Bioactivity of Marine Organisms VI. Antiviral evaluation of marine algal extracts from the Indian coast. *Bot. Mar.* 35: 161-164.
12. Janarthanam M.K. & A.N. Henry (1992). Bladder worts of India. *Botanical survey of India, Calcutta.*

#### Any other Details:

1. Dr. P.K. Sharma was invited to present a research proposal for financial assistance to DST in its Brain storming session held at Lucknow from Nov. 29 to Dec. 2, 1992.
2. Dr. P.K. Sharma was invited to deliver a lecture in Dept. of Atomic energy (Govt. of India) sponsored symposium on Photosynthesis and Plant Molecular Biology held at Jawaharlal Nehru University, New Delhi from 17-19 March, 1993. Whole Department is actively engaged in planning and implementation of plantation programme on the University campus.

## 4.2. DEPARTMENT OF ZOOLOGY

### Teaching and Research Staff:

1. Dr. A.B. Shanbhag Reader & Head

2. Dr. I.K. Pai Lecturer & Teacher-in-charge upto 16th Nov. 92
3. Dr. S.K. Shyama Lecturer
4. Dr. R. Roy Lecturer

### Contributory Teachers :

1. Shri M.P. Tonsekar,  
S.P. Chowgule College, Margao
2. Shri M.S. Antony — do —
3. Shri P.N. Kavri — do —
4. Dr. D.K. Tikare — do —
5. Shri K.N. Mishra — do —
6. Dr. (Mrs.) Lucy Gomes,  
Dhempe College, Panaji
7. Dr. P.V. Desai — do —
8. Shri S. Godse — do —
9. Dr. S.R. Ganihar — do —
10. Dr. (Mrs.) Y. Modassir — do —
11. Mrs. S. Halkar — do —
12. Shri J. Menezes — do —
13. Dr. (Mrs.) M. Mallya,  
Carmel College, Nuvem.
14. Miss Subhadra Devi, — do —
15. Shri Manoj Borkar — do —
16. Dr. A.V. Deshpande — do —
17. Dr. S.H. Bhosale — do —
18. Dr. J.R. Falerio,  
I.C.A.R. Complex, Old Goa.
19. Shri S.A.M. Rizvi,  
Dept. of Computer Science Goa University.

### Research Projects :

Dr. A.B. Shanbhag - A Comprehensive and Comparative study on the impact of monoculture afforestations on the native environment of Goa, D.S.T.E. Goa Govt.

### Visitors to the Department :

1. Dr. S.Y. Paranjape, National Professor, Dept. of Zoology, Poona University, Poona visited the Department in December, 1992.

2. Prof.(Mrs.) P.M. Hejmadi, Professor of Zoology, Utkal University, Bhubaneswar, visited the Department in Jan. 1993.
3. Prof. J.S. Datta Munshi - Professor Emeritus, Bhagalpur University visited the Department in the month of January, 1993.
4. Prof. Ruth Beilair, University College of London visited the Department in the Month of January, 1993.
5. Dr. Chiaki Katagiri, Hokaido University, Japan visited the Department in the month of January, 1993.

#### **Participation in Seminars, Conferences and Workshops:**

1. Dr. A.B. Shanbhag, Dr. I.K. Pai and Dr. S.K. Shyama participated in (a) 80th session of Indian Science Congress at Goa University 3 - 1 - 1993 to 8 - 1 - 1993 (b) 33rd Annual Conference of A.M.I. at Goa University 5 - 11 - 1992 to 7 - 11 - 1992.
2. Dr. S. K. Shyama & Dr. R. Roy participated in W.H.O. sponsored workshop in Integrated Disease Vector Control at Goa University 1 - 3- 1993 to 5 - 3- 1993.
3. Dr. I.K. Pai and Dr. S.K. Shyama attended the Orientation Course at Academic Staff College, Goa University 21 - 5 - 1992 to 17 - 6 - 1992.
4. Dr. A. B. Shanbhag participated in (a) Seminar on Goals and quality of higher education sponsored by A.I.C.H.E., Nirmala Institute of Education, Panaji - 13th April, 1993 (b) Seminar on Parent Teacher Association, P. E. S. College, Farmagudi - 18th April, 1993.
5. Dr. S. K. Shyama attended Refresher Course in Bio-Sciences at Mangalore University - 7- 12-1992 to 30-12-1992.

#### **Research Publications and other articles :**

1. Y. A. Heblekar & A. B. Shanbhag (1992). Some observations on Avifauna of Goa, Bio Diversity of Goa, 34.
2. I. K. Pai, S. N. Hegde & N. B. Krishnamurthy. Effect of two agricultural pesticides on mulberry silkworm. *Bombyx mori*, Mysore University. UI. Platinum Jubilee issue, Section B(Science) 1992, vol. 32:334 - 337.
3. I. K. Pai. Extension of sericulture in Goa. Prob-

lem and prospects, Natl. Vonf. on mulberry sericulture, Mysore, Dec. 10-11-1992.

4. I. K. Pai & S. N. Hegde. Biochemical analyses of PABA induced toxicity in mulberry silkworm *Bombyx mori*, Int. Symp. on Envntl. Mutagens and human health, Madras. February 10-12-1993.
5. S. K. Shyama, M. Abdul Rahiman & K. K. Vinayalaxmi. Oestrogen (Ethy Oestradiol) induced genotoxicity in bone marrow erthorocytes of mouse, Proceedings of the International Symposium of Environmental mutagens and human health and XVIII Annual conference of EMSI 1993, 48.
6. Roy, R., Ghosh D., and Das A. B. (1992). Homeoviscous adaptation of different membranes in the brain of an air breathing Indian teleost, *Channa punctatus* during seasonal variation of environmental temperature. *J. therm Biol.* 17, 209-215.

#### **Popular Scientific Articles :**

##### **Dr. I. K. Pai**

1. Control of bird menance in Sericulture, Indian Silk (Govt. of India Publ.) 1993, 31 (9) : 24-25.
2. Mental retardation : A Global problem, Navhind Times, 14 July, 1993 : pp. 10.
3. Shunti besaya, Spices India (Govt. of India Publ.) 1992, 5(10) : 2-3.
4. 8 articles on Sericulture (Kannada) in "Krishiloka" magazine and one article in "Kasturi" Kannada monthly entitled "Evolution of life on earth".
5. Reshmekrishi - V : Hippunerale thotada usthuvari, Krishiloka, 1993, 27 (1) : 6-7.
6. Jeeva srusti aadiddu heege, Kasturi, July, 1993, 103-108.
7. Reshmekrishi VI : Hippunerale samakarana roopureshegalu, Krishiloka, 1993, 26(12) : 6-9.

#### **4.3 DEPARTMENT OF MICROBIOLOGY**

##### **Teaching and Research Staff :**

1. Dr. (Miss) S. Mavinkurve Professor & Head Ph. D.



2. Dr. J. D.'Souza                      Reader  
Ph. D.
3. Dr. D. J. Bhat                      Reader  
Ph. D.
4. Dr.(Miss) I. Furtado              Lecturer  
Ph. D.
5. Dr.(Miss) S. Bhosle              Lecturer  
Ph. D.
6. Dr.(Miss) S. Nazareth          Lecturer  
Ph. D.(on study leave w.e.f. 18.9.90 to 30.9.92)
7. Ms. B. Lobo                      Lecturer  
Ph. D.                      (w.e.f. 14.11.91 to 30.9.92)
8. Mr. N. D'Souza, M.Sc.  
UGC faculty improvement programme w.e.f.  
31.3.90 to 31.3.1993.
9. N. Kamat, M.Sc.  
Senior Research Fellow ( Goa DST) w.e.f.  
6.6.90
10. Mrs. S. M. Kaliwal, M.Sc.  
Senior Research Fellow (CSIR) w.e.f. 1.1.91.
11. Mrs. S. Raj, M.Sc.  
(i) Project Assistant (UGC) w.e.f. 1.8.92.
12. Mr. S. Sebastian, M.Sc.  
UGC fellow w.e.f. 19.8.91 to 28.5.1992.
13. Ms. N. Parmekar, M.Sc.  
Junior research fellow (DAE) w.e.f. 9.10.91
14. Ms. F. Sequeira, M.Sc.  
Research Assistant (Goa DST) w.e.f. 2.9.92.
15. Ms. F. Saldanha, M.Sc.  
Research Assistant (Goa DST) w.e.f. 26.9.92.
16. Ms. M. D'Souza, M.Sc.  
Research Assistant (DOE) w.e.f. 16.10.92.
17. Ms. S. Phal, M.Sc.  
Research Fellow (GU) w.e.f. 12.1.93.

#### Contributory Teachers :

1. Mr. M. B. Kaliwal, Entomologist, Directorate of Health Services, Goa, delivered 15 lecturers.
2. Dr. V. S. Padbidri, Scientist, N. I. V. Pune, delivered 15 lecturers.

3. \* Prof. J. Menezes, Lecturer, Dhempe College, Panaji, delivered 18 lecturers.

4. \* Prof. S. V. Kamat, Lecturer, Dhempe College, Panaji, delivered 20 lecturers.

5. \* Dr. A. Govai, Computer Programmer, N.I.O. delivered 12 lecturers.

\* Teachers for the common course for Marine Science and Microbiology in Statistics, Mathematics and Computers.

#### Visiting Teachers :

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

i) Dr. N. C. Srinivasan, head, Div. of Biochemical Sciences, NCL, Pune, delivered lectures on "Commercial Enzymes from Actinomycetes" on 12th September, 1992.

ii) Dr. (Mrs.) Lalitha Kabilan, Malaria Research Centre, New Delhi, delivered lectures on "T-cell regulations of immune responses in Plasmodium falciferuses Malaria" on 5.2.1993.

iii) Dr. ulhas Naik, State University of New York, Sunny Brroklyn, New Yourk, delivered lectures on "Phophorylation of recptor proteins in platelets" on 4.12.93.

#### Details of Research Students :

Name of the guiding Teacher	No. of Students	
	M.Phil./Ph.D.	
1. S. Mavinkurve	—	2
2. J. D.Souza	—	3
3. D. J. Bhat	—	2

Research Project : (ongoing)

Prof. S. Mavinkurve

i) Department of Atomic Energy, Bombay sponsored project on "Genetic Studies on pseudomonas strain S. transforming Santonin" for Rs. 2,37,900/- during the year 1990-93.

ii) U.G.C. sponsored project on "Mechanism of Transport and transformation of santonin" for Rs. 95,000/- during the year 1990-93.

iii) CSIR sponsored project on "Interaction between microorganism & hydrophobic substrates longifolene & santonin" for Rs. 1,96,000/- during the year 1990-93.

- iv) DST (Goa) sponsored project on "Survey of identification of edible mushroom of Goa and their cultivation potential" w.e.f. 1990 for Rs. 2,10,000/-

#### **Dr. S. Bhosle**

- i) UGC sponsored project on "Mannitol metabolism in *Arthrobacter*" w.e.f. June, 1991 for Rs. 14,000/-.

#### **Dr. I. Furtado**

UGC sponsored Project on "Isolation of a temperate phage from *Pseudomonas*" w.e.f. January, 1991 for Rs. 17,000/-.

#### **Dr. Joe D'Souza**

DST (Goa) sponsored project on "Studies on improving garbage disposal system in Goa" for Rs. 1,18,000/-.

- ii) Dept. of Environment & Forests, Govt. of India, New Delhi, sponsored project on "Effect of mining on microbial ecology" of main project "Mining activity and its impact of water chemistry, Microbial Ecology & Environment, Bicholim Taluka, Western Ghats, Goa-Possible restoration measures" for Rs. 3,81,600.

#### **Visits abroad :**

1. Dr. S. Nazareth Visited Trieste, Italy during the period September 1990 to September 1992 on 2 year Research Scholarship in genetic engineering & Biotechnology.
2. Dr. Joe D'Souza visited Barcelona, Spain from 6-12 September, 1992 to present paper at "6th International symposium on Microbial Ecology".
3. Dr. Joe D'Souza visited Portugal during the period 1.4.93 to 24.7.93 on Scholarship from Fundacao Oriente, Instituto Nacional de Investigacao.

#### **Participation in Seminars, Conferences and Workshops:**

1. Dr. I Furtado participated in iCAR Project review meeting at Delhi during the period 6-8 Dec. 1992.
2. Dr. S. Mavinkurve participated in DAE project discussion at BARC, Bombay during the period 25-30 January 1993.
3. Dr. S. Bhosle participated in short term training course on "Ligninases" at Coimbatore during the period 1-18 Feb. 1993.
4. Dr. I. Furtado participated in refresher course in Microbiology at Hissar during the period 8-29 Feb. 1993.

5. Dr. D. J. Bhat participated in a UGC Seminar on 'Recent advances in Pl. Sciences' held at Dept. of Botany, Bharatiar University, Coimbatore on 29.3.1993.

6. Dr. D. J. Bhat participated in DBT sponsored Brain storming session on 'Food Biotechnology' during the period 5-9 May, 1993.

#### **Research Publications and other Articles :**

##### **Papers Published :**

- 1) "Molecular rearrangement of longifolene by *Arthrobacter ilicis* strain T2". S. Bhosle, S. Kaliwal, S. K. Paknikar and S. Mavinkurve.

##### **Applied Environment Microbiology 59 (5) :**

**1691-1693, May 1993.**

- 2) 'New Conidial Fungi from Western Ghats, South India'. D. J. Bhat and W. B. Kendrick, *Mycotoxon*, 49 : 9-90 1993.

##### **Papers Presented :**

The following papers were presented at the 33rd Annual Conference held at the Goa University between 5th-7th November, 1992 :-

1. "Isolation and screening of cultures for catabolic activities and their application in composting. V. Kamat & Joe D'Souza.
2. "Some observation on Aquatic Hyphomycete in Forest streams of Goa, Western India" L. G. Pinto and D. J. Bhat.
3. "Microorganisms in the Mangrove Environment" Nelson De souza and Joe D'Souza.
4. "Mode of utilization of Commercial Longifolene a Sesquiterpene by *Arthrobacter ilicis* S. M. Kaliwal, S. Bhosle and S. Mavinkurve.
5. "Metabolism of Sucrose by *Arthrobacter ilicis*" F. Saldanha, S. Bhosle and S. Mavinkurve.
6. "Electrophoretic Karyotype of *Fusarium solani* (mart.) sacc." Sarita Nazareth and Carlo Bruschi.
7. "Study on melanisation in *Termitomyces orientalis* Heim and morphology of its anamorphic isolate AVE - PMT". N. Kamat.
8. "Morphology of *Termitomyces* sp. isolate AVE-5 in shaken culture". N. Kamat.
9. "Fruiting of an in-vitro grown *Termitomyces* sp. isolate on Potato Dextrose Agar under ambient conditions". N. Kamat.

10. "Metabolism of Benzoate by *Arthrobacter ilicis*" D. S. Kuvelkar, S. Mavinkurve and S. Bhosle.
11. "Isolation of variant of *Pseudomonas* S ATCC 43388" C. D'Souza, I. Furtado and S. Mavinkurve.
12. "Mutagenesis of *Fusarium Solani* (Mart.) Sacc". Sarita Nazareth and Carlo Bruschi.,
13. "Studies on improving garbage disposal systems in Goa". F. Sequeira and J. D'Souza.
14. "Isolation and characterisation of Extreme Halophiles from salt - pans of Goa" F. Sequeira and I. Furtado.  
(This paper was awarded consolation prize amongst the papers presented as posters.)
15. Paper presented at "6th International symposium on Microbial Ecology" at Barcelona Spain held between 6-12th Sept. 1992. "Role of microorganisms & soil enzymes in the estuarine environment" Nelson D'Souza and Joe D'Souza.
16. Paper presented at the UGC Seminar on 'Recent Advances in Plant sciences' held at Bharatiar University, Coimbatore on 29.3.1993. "Men and Molds" Dr. D. J. Bhat.
17. Paper presented at the workshop on "Integrated disease vector control" held at Goa University between 1-5 March, 1993 "Biotechnology in Medicine", Dr. J. D'Souza.

#### Any Other Details:

1. Alumini : The Department formed the 'Alumini' association of the past students. A meeting was held on 25th July, 1992 and an Executive Committee was formed.
2. The 33rd Annual Conference of AMI : The 33rd annual conference of AMI was successfully held on 5-7th November, 1992.
3. A workshop on 'Integrated control of vector control' was organised jointly with Malaria research centre, panaji on 1-5, March, 1993.
4. The department actively participated in the arrangement of 80th Indian Science congress jointly organised by Goa University and national Institute of Oceanography.
5. The student and staff of Department of Microbiology participated in (i) The workshop of Biodiversity organised by Department of Science and Technology Goa. (ii) the Science week organised by Department of Marine Bio-

technology, Goa University on 22-27 February, 1993.

- 6) Extension services : Microbial analysis on garbage samples was carried out for the WHO sponsored project by Karnataka State Council for Science and Technology.

*Marine Sciences and*

#### 4.4 DEPARTMENT OF MARINE BIOTECHNOLOGY

##### *A: Marine Biotechnology* 1. Teaching & Research Staff

- |                            |                          |
|----------------------------|--------------------------|
| 1. Dr. U.M.X. Sangodkar,   | Professor & Coordinator. |
| M.Sc.; Ph.D.               |                          |
| 2. Dr. P. M. Reddy         | Reader.                  |
| M.Sc.; Ph.D.               |                          |
| 3. Dr. Urmila Barros       | Lecturer                 |
| M.Sc.; Ph.D.               |                          |
| 4. Shri Sanjeev Ghadi      | Lecturer                 |
| M.Sc.                      |                          |
| 5. Mrs. Savita Kerkar      | Lecturer                 |
| M.Sc.                      |                          |
| 6. Dr. U. D. Muraleedharan | Lecturer                 |
| M.Sc.; Ph.D.               |                          |

##### Research Staff

- |                         |                          |
|-------------------------|--------------------------|
| 1. Dr. C. Rivonkar      | Research Associate, DBT. |
| M.Sc.; Ph.D.            |                          |
| 2. Mr. L. H. Bhosle     |                          |
| 3. Ms. Joanita Coelho   | J.R.F., CSIR             |
| 4. Mr. Neil Fernandes,  | J.R.F., DBT              |
| 5. Mr. Manish Baradwaj, | J.R.F., DBT              |
| 6. Ms. Trupti Walke     | Technical Asstt., DBT.   |

##### 2. Contributory Teachers :

1. Dr. A. H. Parulekar, Asstt. Director, N.I.O.
2. Dr. C. G. Naik, Scientist, N.I.O.
3. Dr. T.V. Ravindran, Scientist, N.I.O.
4. Dr. R. B. Bhosle, Scientist, N.I.O.
5. Dr. A. B. Wagh, Dy. Director, N.I.O.
6. Dr. S.S. Sawant, Scientist, N.I.O.
7. Dr. A. Sarkar, Scientist, N.I.O.
8. Dr. Z. A. Ansari, Scientist, N.I.O.
9. Dr. S.R.S. Nair, Scientist, N.I.O.
10. Dr. Anil Chatterjee, Scientist, N.I.O.
11. Dr. D. Chandramohan, Scientist, N.I.O.
12. Dr. Lata Raghukumar, Scientist, N.I.O.

13. Dr. Usha Goswami, Scientist, N.I.O.
14. Dr. A.G. Untawale, Asstt. Director, N.I.O.
15. Shri A. Goveia, Scientist, N.I.O.
16. Dr. S. G. P. Matondkar, Scientist, N.I.O.
17. Dr. S. Verlenkar, Scientist, N.I.O.

#### Details of Research Students :

Name of the guiding Teacher	No. of Students	
	M.Phil.	Ph.D.
Dr. U. M.X. Sangodkar	—	4

#### Research Projects :

Dr. U.M.X. Sangodkar

"Application of Natural and recombinant Microorganisms to biosurfactant production, oil Spill Degradation and pollution Control". Funded by Department of Biotechnology, Ministry of Science & Technology, Govt. of India, new Delhi, for 3 years. Amount Rs. 27.00 lakhs.

#### Topics of Research for Dissertation ;

##### 1. Ajoy R. Shaw

Extracellular Differentiation inducing factor stimulates Akinet formation in the marine cyanobacterium *Nodularia Spumigena* HK VV (Supervised by Dr. P. M. Reddy).

##### 2. Sushmita Saha

Characterization & immobilization of a selected strain of Alkaline protease producing marine bacteria (supervised by Dr. U. D. Muralidharan).

##### 3. Sanjay Kumar

In Situ detection of catechol 2,3 Dioxygenase (EC. 1.13.11.2) Enzyme activity in gels, purification & study of catechol 2,3 deoxygenase from a marine isolate *Moraxella* sp. for degradation of aromatic compounds (Supervised by Shri Sanjeev Ghadi).

##### 4. Satyakam Chakravarty

Molecular breeding of oil degrading marine microorganism : isolation & characterization of mixed cultures utilising M-Toluic acid. (Supervised by Dr. U.M.X. Sangodkar)

##### 5. Priya F. de Souza

Rodent peritoneal macrophages, monolayer culture maintenance in vitro (Supervised by Dr. U. Barros).

##### 6. Vaishali Handa

Study of degradative pathway of nicotinic acid in *Pseudomonas* using transposon Tn5. (Supervised by Dr. U.M.X. Sangodkar).

##### 7. Shaji R. V.

Tissue culture of the seaweeds *Gracilaria* Corlicata & *Sargassum cinerimum*. Attempts to standardise the methods for surface sterilization & callus induction. (Supervised by Dr. P. M. Reddy).

#### Visitors to the Department :

1. Prof. A. Tamaki, Nagasaki University (Japan), undertook a study in Oct-Nov. 1992 on marine benthic communities along the Goa Coast in collaboration with Dr. C. L. Rodrigues. His study was sponsored by the Japan society for the promotion of Science (JSPS) and INSA.
2. Prof. P. G. Kurup, Cochin University of Science and Technology.
3. Dr. TAYEB Nicole, Hospital La Tronche, France.
4. Dr. M. C. Srinivasan, Head, Biochemical Sciences Division N.C.L. Pune 411008.
5. Padmashri Dr. G. Padmanaban Dept. of Biochemistry I.I.Sc. Bangalore.
6. Dr. S. Ramachandran, Secretary, DBT, Ministry of Science & Technology, Govt. of India, New Delhi.
7. Dr. Ulhas P. Naik, state University of New York Health Science centre, Brooklyn New York, U.S.A.
8. Dr. S. Y. Paranjape, Professor, Dept. of Zoology, Pune University, Pune.
9. Prof. D. P. Burma, Molecular Biology Unit, Institute of Medical Sciences BHU, Benaras
10. Dr. S.D. Tripathi, CIFA, Bhubaneshwar 75200.
11. Prof. N. C. Dutta, Calcutta University, Dept. of Zoology, Calcutta 700019.
12. Prof. Ruth Bellaris, Dept. of anatomy, University College London, Gower street, London WC1E6BT U. K.
13. Prof. Chiaki Katagiri, zoology Institute, Faculty of Science, Hokkaido University, Sapporo 060, Japan.
14. Prof. D. K. Chatterji, Dept. of Food Technology and Biochemical Engineering, Jadhapur University, Calcutta.

15. Dr. Olavi Wvorela, Medical Practioner, Finland.
16. Mr. Anil de Sequeira, Food process Engineering, Reading university, U.K.
17. Dr. E DeSa, Dy. Director, NIO.
18. Dr. R. S. Lawande, Chemistry Dept., Pune University.
19. Dr. M. V. Paradkar, Dept. of chemistry, Post Graduate Research Centre, A. G. College, Pune.
20. Prof. Sohan P. Modak, Dept. of Zoology, Molecular Engineering Laboratory, University of Poona, Pune 411007.

**Visits Abroad :** Dr. P. M. Reddy visited Cholburi Thailand (1992).

#### Participation in Seminars, conferences & Workshops :

Dr. P. M. Reddy

International consultation on Rice Biosafety in southeast Asia - held at Jomtien, Cholburi, Thailand (Sept. 1-3, 1992).

Sanjeev S. Ghadi, Savita Kerkar and U. M. X. Sangodkar participated in International Symposium on Ocean Technology, NIO, Goa 1992.

Joanita Coelho and U. M. X. Sangodkar participated in Annual Conference of Microbiologists of India, Goa 1992.

U.M.X. Sangodkar participated in i) Brain storming session on Biodegradable plastics, organised by Dept. of Biotechnology, New Delhi.

ii) Brain Storming session on Marine Biotechnology organised by Department of Ocean Development, New Delhi and American Embassy, New Delhi.

#### Research Publications and Other Articles :

**P. M. Reddy :** Ability of the microorganisms to move the genes in natural environments. In International consultation on Rice Biosafety in southeast Asia - held at Jomtien, Cholburi, Thailand (Sept 1-3, 1992). (Paper presented).

**S. G. Ghadi and U. M. X. Sangodkar :** Molecular Breeding of oil degrading Microorganism : Development of Phenol Degrading mutant of

*pseudomonas cepacia* AC1000. Proceedings of International Symposium on Ocean Technology, Goa, 1992.

**Savita Kerkar :** Studies on antibiotic production by Marine streptomyces. Proceedings of International symposium on Ocean Technology, Goa, 1992.

**J. Coelho and U. M. X. sangodkar :** Complete Biodegradation of Hexamethylene diamine by *Pseudomonas* species. 33rd Annual Conference of A. M. I. Goa p 236, 1992.

**Any Other Details :** Dr. P. M. Reddy was cited in who's who in Science and Technology (Marquis who's who in america, USA 1992).

⌘ :

#### 4.5 DEPARTMENT OF MARINE SCIENCES

##### Teaching and Research Staff :

- |                          |                     |
|--------------------------|---------------------|
| 1. Dr. U.M.X. Sangodkar  | Professor & Head    |
|                          | M.Sc., Ph.D.        |
| 2. Dr. C.L. Rodrigues    | Reader              |
|                          | M.Sc., Ph.D.        |
| 3. Dr. G.N. Nayak        | Reader              |
|                          | M.Sc., (A.G.) Ph.D. |
| 4. Dr. H.B. Menon        | Lecturer            |
|                          | M.Sc., Ph.D.        |
| 5. Dr. S. Upadhyay       | Lecturer            |
|                          | M.Sc., Ph.D.        |
| 6. Mr. S. Bukhari,       | J.R.F.              |
|                          | M.Sc.               |
| 7. Ms. A. Balamani       | J.R.F., UGC         |
|                          | M.Sc.               |
| 8. Ms. Shakuntala Caeiro | J.R.F., DOEn        |
| 9. Mr. Mohan Girap       | J.R.F., DOEn        |
| 10. Mr. Blaize Fernandes | J.R.F., DOEn        |
| 11. Mr. Sanjeev Raikar   | Technical Asstt.    |
|                          | DOEn.               |

##### Contributory Teachers:

- |                           |                   |
|---------------------------|-------------------|
| 1. Dr. Ramesh Babu,       | Scientist, NIO    |
| 2. Dr. P.V. Sathe         | Scientist, N.I.O. |
| 3. Dr. Solimabi Wahidulla | Scientist, N.I.O. |
| 4. Dr. S.N. DeSouza       | Scientist, N.I.O. |
| 5. Dr. S.C. Goswami       | Scientist, N.I.O. |
| 6. Dr. T.G. Jagatap       | Scientist, N.I.O. |
| 7. Dr. Baban Ingole       | Scientist, N.I.O. |

8.	Dr. N. Ramaih	Scientist, N.I.O.
9.	Dr. A. Sarkar	Scientist, N.I.O.
10.	Dr. S.Y.S. Singbal	Scientist, N.I.O.
11.	Dr. C.G. Naik	Scientist, N.I.O.
12.	Dr. T.V. Ravindran	Scientist, N.I.O.
13.	Dr. N.B. Bhosle	Scientist, N.I.O.
14.	Dr. A.B. Wagh	Dy. Director, N.I.O.
15.	Dr. S.S. Sawant	Scientist, N.I.O.
16.	Dr. Analia Mesquita	Scientist, N.I.O.
17.	Dr. Sujatha Kaisary	Scientist, N.I.O.
18.	Dr. N.H. Hashimi	Scientist, N.I.O.
19.	Dr. M.V. Ramana	Scientist, N.I.O.
20.	Dr. R. Nigam	Scientist, N.I.O.
21.	Mr. S.U. Kamat	Dhempe College, Panaji
22.	Mr. J.A. Menezes,	Dhempe College, Panaji.
23.	Dr. A. Gouveia	Scientist, N.I.O.
24.	Dr. P. Chandramohan	Scientist, N.I.O.
25.	Dr. Ramesh Kumar	Scientist, N.I.O.
26.	Dr. S. Rajendran	Scientist, N.I.O.
27.	Dr. S.W. Naqvi	Scientist, N.I.O.
28.	Dr. A.B. Valsankar	Scientist, N.I.O.
29.	Dr. A.H. Parulekar	Scientist, N.I.O.
30.	Dr. A.G. Untawale	Scientist, N.I.O.
31.	Dr. V.P. Devassy	Scientist, N.I.O.
32.	Dr. C.T. Achuthankutty	Scientist, N.I.O.
33.	Dr. Usha Goswami	Scientist, N.I.O.
34.	Dr. M. Madhupratap	Scientist, N.I.O.
35.	Dr. M.V.M. Wafar	Scientist, N.I.O.
36.	Dr. Z.A. Ansari	Scientist, N.I.O.
37.	Dr. A. Chatterji,	Scientist, N.I.O.
38.	Dr. M. Dileep Kumar	Scientist, N.I.O.
39.	Dr. M.D. George	Scientist, N.I.O.
40.	Dr. V.K. Dhargalkar	Scientist, N.I.O.
41.	Dr. Joseph P. Royan	Scientist, N.I.O.
42.	Dr. Parveen Rattan	Scientist, N.I.O.
43.	Dr. S. Verlencar	Scientist, N.I.O.
44.	Dr. S. Matondkar	Scientist, N.I.O.
45.	Dr. S.N. Harkantra	Scientist, N.I.O.
46.	Dr. A.C. Anil	Scientist, N.I.O.
47.	Dr. V.N. Kodagali	Scientist, N.I.O.
48.	Dr. T. Pratima	Scientist, N.I.O.
49.	Dr. S.M. Karisiddaih	Scientist, N.I.O.
50.	Dr. Sreekumar Nair	Scientist, N.I.O.

#### Details of Research Students:

Name of the guiding Teacher	No. of Students	
	M.Phil.	Ph.D.
Dr. C.L. Rodrigues	—	1
Dr. G.N. Nayak	—	1

#### Research Projects:

##### Dr. C.L. Rodrigues

Taxonomical and Ecological Survey of Lakshadweep for Perumal Park - Funded by Dept. of Environment, New Delhi. Amount Rs.3,41,000 for 3 years (on going).

##### Dr. G.N. Nayak

1. Spatial variation in the texture and mineralogy of Chapora beach, North Goa, West Coast of India. Funded by UGC New Delhi. Amount Rs.12500-00, 2 years. Project completed - Report submitted in November, 1992.
2. Studies on sediment flux of rivers, estuary and adjoining coastal waters of Goa, west coast of India. Funded by DOEn, Govt. of India, New Delhi. Amount Rs.3,59,200.00, for 2 years and 6 months, DOEn project.)
3. Mining activity and its impact on water chemistry, microbial ecology and environment, Bicholim Taluka, Western Ghat, Goa - possible restoration measures. Funded by DOEn, Govt. of India, New Delhi. Amount Rs. 7,96,400-00, for 3 years DOEn projects). - sub project No.3 - (on going).

#### Topics of Research for Dissertation:

##### Aftab Ahmed Can

Hydrography and volume transport of the West Coast of India (Supervised by Dr. H.B. Menon).

##### Anita Fernandes

Ovarian maturation in penaeid prawns (Supervised by Dr. S.R. Sreekumaran).

##### Ashwini A. Wagh

Some aspects of quantitative ecology of fouling diatoms (Supervised by Dr. Anil A.C.).

##### Boris John Nazareno Countinho

A study of prosobranchs along the rocky shores of the Goa Coast, with particular reference to planatis sulcatus (Born) (Supervised by Dr. C.L. Rodrigues).

### **Devanand S. Satarkar**

Studies on petroleum hydrocarbons in the Mandovi estuary, Goa. (Supervised by Dr. S.P. Fondekar).

### **Edward Nicholas Fonseca**

Evaluation of the analysis of organochlorine pesticides and PCBs from the marine environment. (Supervised by Dr. A. Sarkar).

### **Eldred S. Gracias**

Spatial variation in the soft sediment macro-invertebrate assemblage at Marmagoa Harbour, Goa. (Supervised by Dr. Z.A. Ansari).

### **Gayatri Puranik**

Studies on mineralogy and the deposition environment of clays at the Mandovi estuary (Supervised by Dr. G.N. Nayak).

### **Kanakadandi Shanta S.**

Fundamental concepts of the directional ocean wave spectra from synthetic aperture radar (Supervised by Dr. H.B. Menon).

### **Mangesh Gauns**

Fine scale vertical and spatial distribution of intertidal meiofauna at Dias Beach, Goa. (Supervised by Dr. Z.A. Ansari).

### **Maria Judith B.D.DeSouza**

Studies on marine phosphate solubilising Bacteria. (Supervised by Dr. Shanta Achuthankutty)

### **Participation in Seminars, Conferences and Workshops:**

#### **Dr. G.N. Nayak**

1. Presented a paper on "Spatial and temporal distribution of total suspended matter and other associated parameters in the Zuari estuary Goa" at IX Convention of Indian Association of sedimentologists (IAS) held at Poona University Pune between 28-29 Dec. 1992.
2. Attended DOEn project monitoring workshop held at Trivendrum Sept. 1992.

#### **Dr. S. Upadhyay**

International Ocean Technology Symposium (27-29 August, 1992) held at NIO, Goa.

### **Research Publications and Other Articles:**

#### **Dr. G. N. Nayak**

Distribution of heavy minerals and provenance sediments in the beaches around Karwar, West Coast of India. Jour. Ind. Assoc. Sediment Vol. 9 pp 77-90.

#### **Dr. Harilal B. Menon**

Harilal B. Menon, "Fronts food grain of Ocea" Accepted for presentation in the International symposium and workshop held at Kenya Marine Fisher. Research Institute, Kenya, during 7th - 12th April, 1993.

### **5.1 DEPARTMENT OF COMMERCE**

#### **Teaching & Research Staff:**

1. Dr. B. Ramesh Reader & Head  
M.Com.;M.Phil;Ph.D.
2. Dr. P. Narayana Reddy Lecturer  
M.Com;Ph.D.
3. Mr. Nandakumar Mekoth Lecturer  
M.Com.

#### **Contributory Teachers:**

1. Dr. D.V. Borkar, Principal, Shree Damodar College of Commerce & Economics, Margao, Goa.
2. Dr. William R. Da Silva, Reader & Head, Deptt. of Sociology, Goa University.
3. Smt. Archana Kakodkar, Documentation Officer & Research Staff, Centre for Latin American Studies, Goa University.
4. Shri A.P. Kamat, Lecturer, S.S. Dempo College of Commerce & Economics, Altinho, Panaji, Goa.
5. Shri S.V. Sukthankar, Lecturer, Govt. College of Arts, Science & Commerce, Khandola, Marcela, Goa.
6. Shri G.R. Kamath
7. Shri Lalitkumar B. Shah, Chartered Accountant.
8. Prof. R.B. Nair, Director, VVM's Institute of Management & Research, Margao, Goa.
9. Shri C.Y. Ramani, Chartered Accountant.
10. Shri U.D. Kamat, Director, Directorate of Tourism, Govt. of Goa, Panaji.

11. Shri A.M.H. Mubarak Ali, Resident Manager, Hotel Mandovi, Panaji, Goa.
12. Shri Satish G. Hegde, Lecturer, Dept. of Management Studies, Goa University.

**Visiting Teachers:**

1. Dr. P.S. Rao, Prncipal, Chhatrapati Shahu Central Institute of Business Education & Research, Kolhapur.
2. Prof. Dakshina Murthy, Head, Dept. of Commerce, Nagarjuna University, Nagarjuna Nagar, Guntur (U.P.)
3. Dr. K.C. Vijayakumar, Calicut University, Malappuram, Kerala.
4. Mr. Rajesh Chheda, Chartered Accountant & Investment Consultant, Panaji, Goa.

**Details of Research Students:**

Name of the Guiding Teacher	No. of Students	
	M.Phil.	Ph.D.
1. Dr. B. Ramesh	8	—
2. Dr. P.N. Reddy	6	—
3. Mr. Nandakumar Mekoth	3	—

**Research Project:**

**Dr. B. Ramesh**

- i) 'Manpower Planning in Commercial Banks' UGC sponsored, under progress.
- ii) Awarded Ph.D. degree in Dec. 1992 by S.K. University for his thesis entitled 'Productivity and Profitability of Public Sector Banks in India'.

**Dr. P.N. Reddy**

Marketing Practices and Problems of Village Industries in Goa.

**Participation in Seminars/Conferences/Workshops:**

**Dr. B. Ramesh**

- i) Attended a one-day seminar organised by the Centre for Latin American Studies, Goa University.
- ii) A Four Week Refresher Course in Commerce for College Lecturers was co-ordinated in the month of October, 1992 at the Academic Staff College, Goa University.

- iii) Organised a one-day seminar on 'Women Entrepreneurship' in March, 1993 by the Department.

**Dr. P.N. Reddy**

- i) Attended and presented a paper on 'Liberalisation of Indian Economy : Lessons from Latin American Countries' organised by Centre for Latin American Studies, Goa University.
- ii) Attended two day seminar on 'Canadian Studies Seminar on Canada and India' : A Comparative Studies Programme, Goa University.
- iii) Organised and participated one day seminar on 'Women Entrepreneurship in Goa' 23rd March, 1993.

**Mr. M. Nandakumar**

Attended a training course in Research Methodology in Social Sciences sponsored by ICSSR at CIRT, Pune from 28th October to 18th November, 1992.

**Research Publications and other Articles:**

**Dr. B. Ramesh**

- i) Contributed a paper in absentia on 'Financial and Cost Information and Evaluation of Goa Antibiotics and Pharmaceuticals Ltd. at the XVII Annual Conference of Indian Accounting Association and International seminar on 'Ethics in Accounting' held from 14th to 16th Feb. 1993 at Udaipur.
- ii) Contributed a paper in absentia on 'Direct Foreign Investment and Financial Highlights of Selected Companies in India' from May 28-30th, 1993 organised jointly by the Indian Association for Management Development and Inter-University Council of Business Education and Research at Aurangabad.

**Dr. P.N. Reddy**

Quality of Work Life in Garments Industry in Goa, Indian Journal of Commerce, June, 1992.

**6.1. DEPARTMENT OF MANAGEMENT STUDIES**

**Teaching and Research Staff :**

1. Dr. A. Sreekumar                      Head  
B.Sc.(Engg.), M.B.A.  
Fellow of IIM (Ahmedabad)



2. Dr. J.B. Nadda Reader  
M.Com.,M.B.A.,Ph.D.
3. Mr. S.G. Hegde Lecturer  
B.Com.,M.B.A.
4. Dr. Satish Kumar Lecturer  
M.B.A.,Ph.D.,F.D.P.  
(IIM Ahmedabad)
5. Mr. M.S. Dayanand Lecturer  
B.Com.,M.B.A.

#### Contributory Teachers:

1. Ms. Ema Pinto  
MCA, Lecturer, Dept. of Computer Science & Technology, Goa University delivered 30 lectures in the subject of 'Introduction to Computers'.
2. Mr. S.L. Sardesai,  
Faculty Member & Head, Dept. of Economics, S.S. Dempo College of Commerce, Panaji, delivered 30 lectures in the subject of 'Business Environments'.
3. Mr. Maria Sequeira,  
B.Sc., M.M.S., Managing Partner, Tonia Distilleries, Raia, Salcette - Goa delivered 30 lectures in the subject of 'Management Concepts'.
4. Mr. Joaquim Sarto Gracias,  
B.Com,M.B.A., delivered 30 lectures in the subject of 'Financial Accounting & Business Law.
5. Mr. S.K. Datta,  
B.E., M.M.S., Executive Engineer, Electricity Dept., delivered 30 lectures in the subject of 'Quantitative Techniques for Management Decisions'.
6. Mr. Anand Sangoram,  
B.Com.,C.S.,C.A., M.Com., delivered 75 lectures in the subject of 'Financial Management, Working Capital Management & cost & Management Audit'.
7. Mr. U.A. Katre,  
Reader & Head, Dept. of Computer Science, Chowgule College of Arts & Science, Margao delivered 30 lectures in the subject of 'Computer Applications & Information Management'.

8. Mr. Nandakumar Mekoth, M.Com, Lecturer, Dept. of Commerce, Goa University delivered 30 lectures in the subject of Management Accounting.
9. Mr. R.D. Kamat,  
C.A., Financial Controller, Automobile Corporation of Goa Ltd., delivered 30 lectures in the subject of 'Tax Planning Management'.
10. Mr. M.D. Dhodapkar,  
M.Sc.Manager, The United Western Bank, delivered 15 lectures in the subject of 'Working Capital Management'.
11. Mr. G.R. Kamat,  
B.A.,B.Com., C.A., IIB., MAM, delivered 30 lectures in the subject of 'International Marketing'.
12. Mr. S.P. Sathe, B.Com., delivered 30 lectures in the subject of 'Import/Export procedures'.

#### Visiting Teachers:

1. Dr. V.M. Nair,  
Consultant to Mitsubishi Corporation, Jaipur, visited the Department and delivered lectures on the topic of 'Project Appraisal'.
2. Ms. Mayna Singh,  
Director Academy of Hospitality, visited the Department and delivered lectures on the topic 'Marketing and Product Positioning'.
3. Shri P.L. Tandon,  
Director Cesa Goa Ltd., visited the Department and delivered lectures on the topic 'Management and Global Change'.

#### Details of Research Students:

Name of the Guiding Teacher	No. of Students	
	M.Phil.	Ph.D.
1. A. Sreekumar	1	2
2. Dr. J.B. Nadda	—	1

#### Participation in Seminars, Conferences and Workshops:

1. Mr. M.S. Dayanand participated in a workshop organised by Association of Indian Management Schools on "Case Writing and case Teaching" in may 1992 in Bangalore.
2. Mr. S.G. Hegde participated in a workshop on Research Development in Management

organised by the Association of Indian Management Schools in collaboration with Canadian Consurt of Management Schools in June 1992 in Bombay and presented a paper on "Understanding Complaints and Complaining Behaviour - with Reference and Bank Customers in Goa.

3. Dr. J.B. Nadda participated in the workshop on Case Development organised by Indira Gandhi National Open University - April, 1992.
4. Attended International Symposium on "Member Control in Co-operation held under the species of Institute for rural Management, Anand, Gujarat, Dec. - 1992.

#### Publications :

1. Dr. A. Sreekumar jointly with A.H. Kalro, G. Srinivasan and A. Tripathy has published a paper on "Control Limit Models for Cash Management in Bank Branches in Prajnan Vol. XXI No.2, July — Sept., 1992.
2. Mr. S.G. Hegde has published a paper, "Industry Aoademic Collaboration for An Improved Management Curriculum. Some Thought in Management and Labour Studies, Vol. 17, No. 4, October, 1992.
3. Mr. S.G. Hegde and Dr. A. Sreekumar have jointly published a paper on "Understanding complaints and Complaining Behaviour with Reference to Bank Customers in Goa in a book on "Management Research in India" edited by Abad Ahmed and E. Abraham.

### 7.1. CENTRE FOR LATIN AMERICAN STUDIES

#### 1. Teaching and Research Staff:

1. Dr. V. Shivkumar Professor & Head  
M.A.,M.Phil.,Ph.D.
2. Mr. Pushkar Lecturer in History  
M.A.,M.Phil.
3. Smt. A.A. Kakodkar Documentation  
B.Sc.,M.A.,M.Lib.Sc. Officer

#### 2. Contributory Teachers :

1. Dr. K.L. Chawla, Post Doctoral Research Fellow, Jawaharlal Nehru University, New Delhi, delivered 18 lectures.
2. Dr. Varun Sahni, Formerly Fellow, Lincoln College, Oxford University, presently Research

Associate, Centre for Contemporary Studies, Rajiv Gandhi Foundation, New Delhi, delivered 36 lectures.

#### 3. Details of Research Students:

Name of the Guiding Teacher	No. of Students	
	M.Phil/	Ph.D
Dr. V. Shivkumar		2

#### 4. Visitors to the Department:

- 1) Ambassador of Cuba - Mrs. Sonia Diaz Lheras
- 2) Ambassador of Venezuela - Dr. Frank Bracho
- 3) Ambassador of Argentina - Dr. Victor E. Beauge
- 4) Prof. Ferreira Jr., Associate Professor, JNU, New Delhi.
- 5) Prof. Anirudh Gupta, Professor, SIS, JNU, New Delhi.
- 6) Prof. A.P. Rana, M.S. University, Baroda.
- 7) Prof. Ramesh Babu, Bombay University.
- 8) Dr. P.M. Kamat, Reader, Bombay University
- 9) Ms. Alice Louise Kriskern, Dy. Field Director, U.S. Library of Congress, New Delhi.
- 10) Mr. Roger C. Rasco, Director, USIS, Bombay.
- 11) Mr. John A. Carroll, University of Massachusetts.
- 12) Dr. Ide Abraham, Programme Officer, Social Science Research Council, N.Y.
- 13) Prof. A.C. Tikekar, Professor, Bombay University.
- 14) Prof. R. Narayanan, Dean, SIS, JNU, New Delhi.
- 15) Mr. S.P. Godrej
- 16) Prof. K.L. Chawla, JNU, New Delhi.
- 17) Dr. Varun Sahni
- 18) Prof. B. Sheik Ali
- 19) Ambassador N. Krishnan

#### 5. Participation in Seminars, Conferences & Workshop :

- a) Prof. V. Shivkumar was appointed as a Local Secretary for the 27th Annual Conference of IAAS hosted by Goa University, held during March 29-31, 1993.
- b) Prof. Shivkumar jointly with Dr. Varun Sahni presented a paper on 'US-LATIN AMERICAN RELATIONS: Emerging Trends' at the IAAS Conference.
- c) Mr. Pushkar presented a paper on Indo-Canadian Relations at the Canadian Seminar held on 11-12 March, 1993.

- d) Mr. Pushkar presented a paper on US-Chile Relations in the 70's at the IAAS Conference held at Goa University in March, 1993.
- e) Prof. Shivkumar is working on a project entitled "Post-Cold war relation : An inter-American Perspective". He was awarded Scholar-in-Residence award for working in the above project by the ASRC, Hyderabad.
- f) Prof. Shivkumar delivered a lecture on MTA (Master in Tourism Administration) students on a theme 'Tourism as a factor in international Relations'.

## 7.2 CENTRE FOR WOMEN'S STUDIES

The Centre is an Extension, Research, Documentation and Training Centre.

### I Faculty

- 1. Dr. Adi H. Doctor      Professor  
(Pol. Sc.) and  
Incharge C.W.S.
- 2. Kum. Shaila Desouza      Research Officer  
(Appointed on  
9th July 1992)

### II Visitors to the Department:

- 1. The UGC Review Committee (Dr. Karuna Ahmed, J.N.U., Dr. Indira Sen, I.I.T., New Delhi and Dr. Renuka Narang, Bombay University) visited the Centre on the 3rd August, 1992.
- 2. Dr. Stan De Mello, Lecturer at the School of Social Work, University of British Columbia, Vancouver, visited the Centre in August, 1992 to collaborate with work on Women and Development and to network on issues of common interest.
- 3. Mamasahab Kulkarni, Founder of the Anti Dowry Movement, Bombay spoke to students, faculty and staff of Goa University together with local women activists Ms. Albertina Almeida (Bailancho Saad) and Ms. Prashanti Talpalkar on Dowry: The Maharashtra Experience and the Goan Scenario on the 17th Sept. 92.
- 4. Ms. Madhu Kishwar, activists/journalist and editor of 'Manushi' a journal about women and society visited the Department in January, 1993.

### III Projects:

- 1. The CWS has completed the data collection for the compilation of a directory of Services for Women in Goa which will be printed in 1993 (it includes services available at Governmental, semi-governmental organizations and voluntary organisations).
- 2. The Research Officer is involved in a joint CASE STUDY of Bailancho Saad with Dr. Sreekumar, Head of Department of Management Studies.

### IV. Participation in Seminars, Conferences Workshops Visits etc.:

Shaila Desouza, Research Officer

- 1. Visited the Research Centre for Womens Studies, SNDT University, Juhu campus in the first week of September 1992 to study the working of the Centre there and to bring back appropriate material for the CWS, Goa University.
- 2. Organized a two day seminar on 'Women and Law : Some perspectives on the Socio-Legal Status of Women in Goa' on the 23rd and 24th January, 1993. It was well attended by social activists, academics, journalists and lawyers. Ms. Madhu Kishwar (Faculty Delhi University and well known social activists and Editor of 'MANUSHI') gave the key note address while Adv. M.S. Usgaonkar, Sr. Adv. Goa Bench of Bombay High Court gave the valedictory address. The proceedings of the seminar are to be published shortly.
- 3. Organised a seminar together with Women Entrepreneurs Group, for its wing in PONDA on 'How to set up Women's Cooperatives' on 27th February, 1993.
- 4. Presented a paper 'Making Invisible Hands Visible' at a seminar organised by the Department of Commerce, Goa University on the 23rd March, 1993 on Women Entrepreneurship in Goa.
- 5. Organised a seminar on 9th March, 1993 to celebrate International Women's Day with a tribute to the Women Freedom Fighters who were invited to share their experiences during Goa's Freedom Struggle, The seminar was attended by Local women's organizations, students, faculty, other staff of Goa University and members of the public. The proceedings are documented and will be published in the coming year.

6. Attended the Sixth National Conference on Women's studies, organised by the Indian Association for Women's Studies at Mysore on the 31st May, 1993-4th June, 1993. The Conference discussed the "Dynamics of the new Economic Policy : Implications for Women".

#### V. Co-Curricular and Other Activities:

**Shaila Desouza**, Research Officer

1. Networks with local women's organizations and other organizations concerned about women (local, national & international)
2. Spoke at the 3rd Annual Gathering of the Women Entrepreneurs Association on 21st February, 1993 on the problems of women in Goa.
3. Was invited to lecture in Casa Polloti Seminary, Assagoa on 25th February, 1993 on 'Gender Discrimination'.

#### VI Documentation:

The documentation at the Centre includes information about women under the following heads:

1. Health
2. Law
3. Child Labour/Children
4. Tourism
5. Development
6. Violence.

#### 8.1 ACADEMIC STAFF COLLEGE

##### Teaching Staff:

1. Dr. F.A. Fernandes, Reader  
M.A.;Diploma in Higher Education; Ph.D.
2. Dr.(Mrs.) P. Rebeiro Lecturer  
M.A.;B.Ed; Ph.D.

##### Contributory Teachers:

Senior teachers from the University faculties and a few college Principals.

**Visiting Teachers:** Some Professors from various universities in India.

#### Participation in Seminars, Conferences & Workshops:

- (a) Participated in Workshop for the research guides in American Studies held on 11th & 12th October, 1992 at Ahmedabad.
- (b) Conducted and organised Canadian Studies Seminar 'A Comparative Perspective: Canada and India' in Goa University on March 11th & 12th, 1993.
- (c) Organised two days orientation course for senior college teachers in Goa University and affiliated colleges to Goa University on 'Evaluation Methods'.
- (d) Organised Coaching classes for UGC and CSIR test in May, 1993.

#### Dr.(Mrs.) P. Rebeiro:

- (a) Attended the I.C.S.S.R. Sponsored Workshop on 'Human transactions and Communication Skills', held in the Department of Psychology on Thursday, Friday and Saturday 24th, 25th & 26th September, 1992 at Poona University, Pune.
- (b) Presented a paper on 'Rehabilitation of the Orthopedically Handicapped and the Role of Science and Technology' at the 'Psychology and Educational Sciences' session of the Indian Science Congress (80th Session) held in Goa from 3rd to 8th January, 1993.
- (c) Helped in the arrangement of the Psychology session during the 80th session of the Indian Science Congress.
- (d) Helped in arrangement of N.E.T. classes, in May, 1993.

Academic Staff College has organised 4 orientation courses, two refresher courses in Political Science, three refresher courses in History, one refresher course in Philosophy, one need-based refresher course in Commerce and one need-based refresher course in Chemistry.

## 9. 1 KONKANI ENCYCLOPAEDIA

Dr. T.D. Halarnakar      Executive Editor  
M.A.; Ph.D.

### Participation in Seminars, Workshops, Conferences, etc.:

- 1) Attended workshop on Konkani Short Stories in the capacity of resource person, organised by Goa Konkani Akademi, in June, 1992.
- 2) Delivered lectures on Konkani Encyclopaedia, to the team of translators from the Central Translation Centre, Bangalore, which visited Encyclopaedia Office in September, 1992.
- 3) Attended Seminars organised by Konkani Department, Goa University in October, 1992.
- 4) Attended Seminar on 'Folklore' and chaired one of the sessions of the seminar, organised by History Department, Goa University in April, 1993.
- 5) Presented paper "On the formation of Konkani Encyclopaedia", in the seminar organised by Sociology Department, Goa University in April, 1993.
- 6) Delivered lecture in "Konkani Youth Meet" academic development of Konkani, organised by P.E.S. College of Arts & Science, Farmagudi in February, 1993.
- 7) Presented paper on "Konkani Drama" in all India Konkani Parishad, held in January, 1993.
- 8) Nominated as the representative of the Vice-Chancellor on the general body of the Goa Konkani Akademi in January, 1993 and thereafter elected as the member of the Executive Body of the Akademi.
- 9) Nominated as Convenor of "Konkani Teachers' Training Course', organised by Konkani Bhasha Mandal for the year 1992-93.
- 10) Appointed as Reviewer for the text books in Konkani, produced by State Institute of Education, Government of Goa in November, 1992.
- 11) Appointed as the Judge on jury, constituted by All India Radio Panaji, to select best entry for sending to National Competition organised by Department of Information and Broadcasting, Government of India in December, 1992.
- 12) Writing a regular weekly, column in 'Sunaparant' Konkani Daily.



**ANNEXURE - VII**  
**AFFILIATED COLLEGES AND**  
**INSTITUTIONS RECOGNISED**  
**BY THE UNIVERSITY**

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

As on March 31st 1993, there were 30 affiliated colleges and 5 institutions recognised by the University. A list of these colleges and institutions as on that date is appended as Annexure IX. A brief report on the activities of various institutions is given in this chapter.

- A — Colleges other than Professional  
B — Professional Colleges  
C — Recognised Institutions.

**A-1. DHEMPE COLLEGE OF ARTS AND SCIENCE,  
PANAJI - GOA**

The College was established in June, 1962 and was permanently affiliated to Goa University in the approved subjects leading to B.A. & B.Sc. degrees. The College is run by the Dempo Charities Trust. Shri G.V. Nadkarni is the Principal of the College. Hostel facilities are also provided by the College separately for boys and girls.

**Teaching and Research Staff:**

1. Shri G.V. Nadkarni, M.Sc.  
Principal
2. Shri J.A. Menezes, M.Sc.  
Lecturer & Vice-Principal
3. Shri A.V. Sakhardande, M.A.  
Lecturer
4. Shri P.K. Khaunte, M.A.  
Lecturer
5. Smt. Ramola Antao, M.A.  
Lecturer
6. Kum. Margaret Lopes, M.A.  
Lecturer
7. Shri Rabin B. Pinto, M.A., D.H.E.  
Lecturer
8. Kum. Maria Isabel Vaz, M.A., D.H.E.  
Lecturer
9. Shri S.S. Walimbe, M.A.  
Lecturer
10. Shri M.C. Philip, M.A.  
Lecturer
11. Shri Edwin Cortez, M.A.  
Lecturer
12. Shri K.S. Govekar, M.A.  
Lecturer
13. Dr. P.D. Xavier, M.A.  
Reader
14. Mrs. Vrishali Umesh Prabhugaonkar, M.A.  
Lecturer
15. Dr. G.N. Mishra, M.A. Ph.D, LL.B.  
Reader
16. Shri Ave Cleto Afonso, M.A.;LL.B.  
Lecturer
17. Dr. (Smt.) Zinia Siqueira Lobo Silva, M.A.;Ph.D.  
Lecturer
18. Shri Edgar M.R. Cotta, M.A.  
Lecturer
19. Shri S.S. Nadkarni, M.A.  
Lecturer
20. Shri M.J.Kulkarni, M.A.  
Lecturer
21. Shri Ravindra D. Ghavi, M.A.  
Lecturer
22. Dr. C.S. Tiwari, M.A.;Ph.D.  
Reader
23. Shri H.V. Upadhye, M.A.  
Lecturer
24. Smt. S.S. Hodarkar, M.A.  
Lecturer
25. Shri S.U. Kamat, M.Sc.  
Lecturer
26. Shri G.V. Kulkarni, M.Sc, D.H.E.  
Lecturer
27. Shri Sovonkumar Sanyal,
28. Shri S. K. Haldankar, M.Sc.  
Lecturer
29. Dr. K.G. Kamat, M.Sc., Ph.D. D.H.E.  
Reader
30. Dr. R.A.S. Dhume, M.Sc;Ph.D;D.H.E.  
Reader

31. Shri V.S. Dinge, M.Sc.  
Lecturer
32. Dr. N.R. Naik, M.Sc.;Ph.D.  
Reader
33. Shri R.L. Lawande, M.Sc.  
Demonstrator
34. Shri L.C. Marchon, M.Sc.; B.Ed.  
Demonstrator
35. Dr.(Mrs.) Vrinda Pradip Sinai Borkar,  
Lecturer M.Sc.;Ph.D: D.H.E.
36. Dr.(Mrs.) Lina S. Talwadkar, M.Sc.;Ph.D.  
Lecturer
37. Dr. Udai S. Naik, M.Sc.;Ph.D.  
Lecturer
38. Shri V.R. Acharya, M.Sc.  
Lecturer
39. Shri A.F. Barbosa, M.Sc;Dip.Ed.  
Lecturer
40. Shri G.V. Kelkar, M.Sc.  
Lecturer
41. Miss Sharmila P. Kamat, M.Sc.  
Lecturer
42. Shri Sandeep S. Burye, M.Sc.;D.H.E.  
Lecturer
43. Shri Murthy P.S. Ramu, M.Sc.  
Lecturer
44. Smt. Swati R. Pawar, M.Sc.  
Lecturer
45. Shri S.M. Shetty, M.Sc.  
Lecturer
46. Shri G.K. Kelkar, M.Sc.  
Lecturer
47. Dr. (Smt.) P.G. Kelkar, M.Sc.;Ph.D.  
Reader
48. Shri G. I. Hukkeri, M.Sc.  
Lecturer
49. Shri K.G. Hiremath, M.Sc.  
Lecturer
50. Shri P.N. Pangu, M.Sc.  
Lecturer
51. Smt. Mangala Prabhu Dessai, M.Sc.  
Lecturer
52. Smt. S.S. Sakhardande, M.Sc.  
Lecturer
53. Dr.(Smt.) Lucy Gomes, M.Sc.;Ph.D.  
Lecturer
54. Shri S.J. Godse, M.Sc.  
Lecturer
55. Dr. S.R. Ganihar, M.Sc;Ph.D.  
Lecturer
56. Smt. Sucheta G. Halkar, M.Sc.  
Lecturer
57. Dr.(Mrs.) Yasmeen Modassir,  
Lecturer M.Sc.;M.Phil;Ph.D.
58. Dr. P.V. Dessai, M.Sc.;Ph.D.,B.Ed.  
Lecturer
59. Shri F.B. Antao, M.Sc.  
Lecturer
60. Shri A.M. Nadkarni, M.Sc.  
Lecturer
61. Shri. R.P. Gurav. M.Sc.;D.H.E.  
Lecturer
62. Shri A.G. Agshikar, M.Sc.  
Lecturer
63. Shri Orlando A. Fernandes,M.Sc.
64. Shri Chandrakant Porob, M.A;  
Certificate in Physical Education.  
Physical Education Director
65. Shri B.R. Phadnis,  
Librarian.

**Details of Research/Masters Students:**

Name of the guiding Teacher	No. of Students
Dr. G.N. Mishra	4 (for Ph.D.)

**Library:**

Total number of text books/reference books/periodicals, academic journals in the Library as on 20.4.1993.

1) Text books	19,025
2) Reference books	610
3) Academic journals	24
4) Peirodicals	14

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

**N.C.C.**

This year enrolment of cadets for N.C.C. Navy was 50, of which 16 were from Higher Secondary and 34 were from College.

The regular parades are being conducted this year on Sundays during 9.00 a.m. to 1.00 p.m. Our cadets participated in different training activities.

1. The cadets - Sandeep Gaonkar, Subhash Mahato and Vijay Singh - participated in Goa Trek during 23-11-92 to 9-12-92 at Fatorda Stadium. Sandeep Gaonkar also attended Pre-Republic Day Camp at Bijapur from 26-10-92 to 14-11-92.
  2. Inter Unit Sailing Camp was conducted at Udipi in Karnataka and our two boys - Suraj Padle - participated in the same during Aug - Sept. 92.
  3. Cadet Sudhir Palkar took active part in Nausainik Camp at Vizagapathan in Oct. 1992.
- Cadet Captain Anil Singh has been selected for Sea Attachment at Bombay during 14th Dec. 92 to 22nd Dec. 92.

All the cadets centrally participated in N.C.C. Day Function in our College on 22.11.92. They also presented a cultural programme.

#### **N.C.C. (Girls Wing)**

The activities of the N.C.C. (Girls Wing) began in July, 1992 with the enrolment of 40 cadets for the training programme for the academic year 1992-93. Of these, 20 cadets were enrolled for the Army Wing under the leadership SCUO Aruna Pinto and 20 cadets were enrolled for the Naval Wing under the leadership of Cadets Captain Suvarna Volvoikar. Regular parades started in the third week of July.

During the course of their training, the girls cadets received instructions in foot drill, signals first aid, home nursing and weapon training. Cadets of the Naval Wing were also trained in ship modelling and boat pulling.

In addition to the regular training activities, the cadets also took an active part in the various extra-curricular activities that were organised during the course of the year like cultural presentations, hikes etc.

The girl cadets, along with cadets from the Army and Navy Wings of the College participated in a tree plantation drive organised by the Goa University from July 26, 92 to August 92. More than eight hundred saplings were planted by the cadets. These saplings will be part of the proposed Botanical Garden of the Goa University. The tree plantation drive concluded with a valedictory function on August 9,

1992 during which the Vice-Chancellor, Dr. P.R. Dubhashi praised the efforts of the N.C.C. cadets.

On the occasion of the Independence Day, the Principal of Dhempe College Shri G.V. Nadkarni unfurled the National Flag. This was followed by a short ceremony during which the cadets took the N.C.C. oath and also pledged to renounce the taking or giving of dowry. The function concluded with the signing of the N.C.C. songs.

The N.C.C. day was observed with the taking of the N.C.C. oath by cadets. This was followed by a short cultural programme organised by them.

The platoon of Army girl cadets under the leadership of SCUO Aruna Pinto participated in the 19th December parade held at the Campal grounds. They also took part in the Republic Day parade held at the same venue this year.

This year, a large number of cadets enthusiastically participated in various camps held in Goa and in the rest of the country. CUO Anita Durbhatkar attended the Trekking Camp held at Ooty from May 10 to May 30, 92. SCUO Aruna Pinto took part in the mountaineering course organised at Manali in Himachal Pradesh from June 1 - 26, 92. CSM Nancy Viegas was selected for the Basic Leadership Camp from June 1-26, 92 and then for the second camp from August 3-13, 93. Due to her proficiency in firing, Nancy was further selected for the BLC II and BLC III Camps held at Belgaum and for a further pre-Republic Day selection camp at New Delhi. Cadet Supriya Halarnkar participated in the CRTC camp at Somanhalli while cadets Nusrat Solanke and Anjum Are Tehsildar attended the BLC Camp at Trivandrum.

Eight Army cadets and seven Naval cadets attended the Annual Training Camp held at the Fatorda Stadium, Margao in November, 1992. Eight Naval cadets also attended the Annual Training Camp for Naval cadets held at the INS Mandovi, Verem from December 8, 1992. The cadets performed well in the various competitions organised during the course of these camps.

Four cadets appeared for the C certificate examination and nine cadets for the B certificate examination.

The cadets also lent their services for various social service programmes like blood donation and fund raising for the National Association of the Blind.

To conclude the year's N.C.C. programme, the cadets a day's outing to Hawai Beach, Dona Paula



was organised in which all the cadets participated enthusiastically.

Gymkhana activities began with the election of Gymkhana games' secretaries. The following were the Gymkhana games' secretaries:

1. Estrocio Petro (Peter) T.Y.B.A.  
(Gymkhana General Secretary)
2. Raposo Allwyn F.Y.B.Sc.  
- Hockey Secretary
3. Torcato Desmond S.Y.B.Sc.  
- Basketball Secretary
4. Singh Anil T.Y.B.Sc.  
- Table - Tennis Secretary
5. Budge Nilesh S.Y.B.Sc.  
- Badminton Secretary
6. Pereira Marcel T.Y.B.Sc.  
- Football Secretary
7. Sharda Rajesh T.Y.B.Sc.  
- Cricket Secretary
8. Menezes Norvin S.Y.B.Sc.  
- Chess Secretary
9. D'Souza Xavier T.Y.B.A.  
- Best Physique, Weight Lifting  
& Power Lifting
10. Hodarkar Balakrishna T.Y.B.Sc.  
- Kho-kho Secretary
11. De Araujo Joao Gonsalo T.Y.B.A.  
- Volleyball Secretary

The College participated in the various Goa University intercollegiate tournaments. Our college secured 2nd place in the Inter-Zonal Table Tennis for women under the captainship of Kum. Uma Shirodkar of T.Y.B.Sc. In the Zonal Basketball we were Zonal winners in the women section under the captainship of Kum. Shirwina Fernandes of S.Y.B.A. and Runners-up in the men section under the captainship of Shri Desmond Torcato of S.Y.B.Sc. in the Inter-Zonal Volleyball for women we secured 2nd place under the captainship of Kum. Jessie De Araujo of T.Y.B.Sc. in the Zonal kho-kho for men we were Runners up under the Captainship of Shri Balakrishna Hodarkar of T.Y.B.Sc.

Shri Xavier D'Souza of T.Y.B.A. bagged two gold and a bronze in Bharatkumar, Bharat Shri in the 41st; National Body Building Championship held in Bangalore this year. He had been selected for the Indian Squad for the Mr. World Championship which

was to be held in November, 1992 in the United States of America. But due to some unavoidable circumstances he could not go for this competition. This is the second time that Shri Xavier had been selected to represent India in the Mr. World contest. Earlier he had finished 7th, in the world.

Kum. Apurva Sabnis of F.Y.B.A. emerged as the fastest woman in the State level Athletic Meet for women organised by Goa Amateur Athletic Association at Sports Complex - Campal.

Kum. Uma Shirodkar of T.Y.B.Sc. had been selected as Vice-Captain of State Cricket Women team to represent Goa in the Sr. West Zone Women's Cricket Championship held in Pune from Dec. 7 to 14.

Shri Desmond Torcato and Shri Onassis Afonso of S.Y.B.Sc. represented Goa in the Senior Basketball Nationals held at Bangalore from Jan. 12 to 19.

#### **N.S.S.**

The inauguration of the N.S.S. activities in our College for the academic year 1992-1993 was held on July 20th 1992 at the hands of the Vice-Principal Prof. J.A. Menezes. He enlightened the volunteers on the significance of N.S.S., its aims and objectives. The Prog. Officer Prof. R. Murthy explained the nature of the work to be accomplished during the course of the year. On 15 August 1992 as a part of the Independence Day celebrations, the N.S.S. volunteers participated in the clearing up of the College campus. On the 2nd of October, 1992, as a part of the Gandhi Jayanti celebrations, some of our volunteers participated in the Inter-College Patriotic Singing and Debate competition organised by the Field Publicity Officer, Govt. of India and the N.S.S. Regional Centre, Poona, and won the first place.

Our volunteers have also done social work in the Out-Patients Department (O.P.D.) of Goa Medical College and in the Central Library. They also helped in collecting donation for the Tuberculosis Association of Goa in recognition of their efforts and contributions, the T.B. Association awarded a special Merit Certificate to the N.S.S. Unit of our College.

As a part of the University Talk 'AIDS' Programme, AIDS Awareness week celebrated in the institution from the 1st of December, 1992 to the 7th of December, 1992. In this connection, Seminars, talks, debate sessions and film shows were organised on 'AIDS'. The College was declared 'AIDS AWARE' by the Principal G.V. Nadkarni.

Besides all these activities, our volunteers have helped out with various jobs big and small, both within and outside the College premises assisting College authorities, student bodies and social organizations in there various programmes.

**Statistical details regarding the teaching programme and the students:**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93 (sexwise)			
				Boys	Girls	Total	
1.	ARTS	B.A.	3 years				
				F.Y.B.A.	49	116	165
				S.Y.B.A.	39	105	144
				T.Y.B.A.	<u>48</u>	<u>103</u>	<u>151</u>
				Total	136	324	460
2.	SCIENCE	B.Sc.	3 years				
				F.Y.B.Sc.	105	104	209
				S.Y.B.Sc.	59	98	157
				T.Y.B.Sc.	<u>58</u>	<u>90</u>	<u>148</u>
				Total	222	292	514

**Results of the College percentage-wise:**

T.Y.B.A. (April 1992)	:	54.10%
T.Y.B.A. (October 1992)	:	45.76%
T.Y.B.Sc. (April 1992)	:	71.42%
T.Y.B.Sc. (October 1992)	:	40.65%
T.Y.B.A. (April 1993)	:	38.20%
T.Y.B.Sc. (April 1993)	:	66.04%

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

Established in June 1962 the college caters to instruction in the approved subjects leading to B.A. and B.Sc. degree and Diploma in Computer Applications.

The college is managed by the Chowgule Education Society and is the oldest college in Goa. It has its own building for Arts & Science wings and an independent building for the Department of Computer Science. There are 20 classrooms in addition to other halls/rooms required to carry out its administrative, curricular and extra-curricular activities. The college has a big playground admeasuring about 30,000 sq. mts. and has facilities for major outdoor games like cricket, volley - ball, basket ball, tennikoit,

athletics, etc. The Foundations has presently undertaken construction of yet another building to house the Library of the college and to make available all modern amenities to its staff and students. The Project is expected to be completed by March, 1994. The College has 10 quarters for teaching staff and 6 for the non-teaching staff.

Shri V.R. Shirgurkar is the Principal of the College.

**Teaching and Research Staff:**

1. Shri U.S. Nagarcenkar, M.Sc.
2. Shri P. Narayanan, M.Sc.
3. Shri N.B. Shirwaikar, M.Sc.,
4. Dr. R.V. Gaonkar, M.Sc.;Ph.D.
5. Jaymini V. Gauns Dessai, M.Sc.
6. Dr. A.V. Veeresh, M.Sc.;Ph.D.
7. Shri E.M. Raykar, M.Sc.,
8. Shri S.K. Naik, M.Sc.
9. Shri B.V. Shirwaikar, M.Sc.
10. Shri R.S. Padiyar, M.Sc.
11. Shri S.J. Borkar, M.Sc.
12. Shri S.G. Deshpande, M.Sc.
13. Shri S.P.S. Kakodkar, M.Sc.
14. Dr. P.K. Onkar, M.Sc.;Ph.D.
15. Shri V.R. Nagwekar, M.Sc.
16. Shri Narendrakumar G. Rivonkar, M.Sc.
17. Shri U.A. Katre, M.Stat; M.Tech.
18. Smt. Aparna U.Katre, M.Stat.
19. Shri Chaitanya Voolapalli, B.Tech.
20. Shri S.S. Kulkarni, M.Sc.
21. Smt. A.S. Kulkarni, M.Sc.
22. Shri S.P. Verenkar, M.A.
23. Shri E.M. Travassos, M.A.
24. Shri Debasish Mazumdar, M.A.
25. Shri C.S. Nagarcenkar, M.A.
26. Shri P. Ferdinand, M.A.
27. Shri R. Singh, M.A.
28. Shri M. Chagas Silva, M.A.
29. Shri Mitra D.S. Borkar, M.A.
30. Shri S.R. Ingle, M.A.
31. Dr. S.M. Ambli, M.A.Ph.D.
32. Shri Nandkumar N. Sawant, M.A.
33. Shri S.M. Borges, M.Sc.
34. Shri M.A. Katti, M.Sc.
35. Shri H.S.S. Nadkarni, M.Sc.
36. Shri Sayed Jamal Bukhari, M.Sc.

37. Dr. R.Y. Mishra, M.A. Ph.D.
38. Shri G.M.A. Shaikh, M.A.
39. Shri P. Antony, M.A.
40. Shri Sarita Mayenkar, M.A.
41. Shri Ravindra R. mardolkar, M.A.
42. Shri Shrikrishna S. Adsul, M.A. M.Phil.
43. Shri K. Shreedharan, M.Sc.
44. Shri V.S. Amonkar, M.Sc.
45. Shri Anand P. Masur, M.Sc.
46. Shri Kirti V. Sahakari, M.Sc.
47. Shri R.V. Patil, M.A.
48. Dr. Rajendrakumar V. Joshi, M.A.; Ph.D.
49. Shri S.S. Naik, M.A.
50. Shri R.R. Ghantwal, M.Sc.
51. Shri V. Narayan, M.Sc.
52. Shri S.M. Sadique, M.Sc.
53. Shri N.V. Kamat, M.Sc.
54. Shri S.N. Pai Raiturkar, M.Sc.
55. Shri B.N. Hosurkar, M.Sc.
56. Shri V.D. Date, B.Sc.
57. Shri K.B. Pillai, B.sc.
58. Miss J. Siqueira, M.A. (Pol. Sc.)  
M A. (Eng.) Ph.D.
59. Shri G.M. Kale, M.A.
60. Shri S.S. Phadke, M.A. (Sanskriti)  
M.A. (Sociology); Ph.D.
61. Shri B.V. Bhosale, M.A.
62. Shri Devashish Bagchi, M.P.Ed.;M.Phil.
63. Shri M.P. Tonsekar, M.Sc.
64. Shri M.S. Antony, M.Sc.
65. Shri P.N. Kavri, M.Sc.
66. Dr. D.K. Tikare, M.Sc.;Ph.D.
67. Shri K.N. Mishra, M.Sc.; M.Phil. (Zoology)

**N.C.C. Sports, Debates, Cultural Activities, N.S.S.; Educational and Extension Works, etc.:**

**a) SPORTS**

Highlights of the College's Performance in the year 1993-94 at various levels:

Handball	: All Goa Inter College Winner
Basketball	: All Goa Inter College Winner
Volleyball	: Runners up
Cricket	: Runners up
Cross Country (Women)	: Runners up

Mr. Anthony Francisco Coutinho represented Goa University Football Team (winners All India Inter Varsity Football) and Represented Goa State under 21 team, also National Champion.

Established Goa University High Jump record.

Weightlifting, Body-building & Power lifting : Coliege team gave excellent performance winning 4 gold, 2 silver 1 bronze medals.

**JUDO** : Mr. Imran Khan overall individual Champion (Open weight category).

**b) N.C.C.**

The NCC cadets participated in large number in various NCC activities organised at the State and National level. Cadet Navi Naman attended Wind Surfing Camp at Udipi. He was the only cadet selected from Karnataka - Goa Directorate in the Republic Day Camp. From Infantry Wing, J. Samadhan Nikam was selected as the Best Cadet from the Goa and Karnataka Directorate and participated in the Best Cadet competition during Camp at Delhi. He was appointed Platoon Commander from Rajpath rally held on 26th January, 1993. From Girls' wing, 10 cadets donated blood at a combined Blood Donation Camp held at Damodar College. Seventeen cadets attended the Annual Training Camp held at Jawaharlal Nehru Stadium, Delhi from 4th Nov. to 13th Nov. 1992. Our college begged second place at the State level. S. Kavitha was selected as the Best Under Officer of the Camp. Annual firing was held on 17th February, 1993 on the college ground. Cdr. Smita Prabhu Dessai was declared Best Shooter. Eight of our girl cadets were selected for the National Integration Camp to be held at Mysore in the month of May. S. Kavitha was declared the best Girl Cadet of 1992-93.

**d) N.S.S.**

Our N.S.S. volunteers engaged themselves in the activities involving creative social work.

1. Literacy day was observed on 13th September, 1992.
2. Nearly 100 volunteers took activie interest in M.P.F.L. Five adult literacy centres were opened on 1st December, 1992 in Margao. Similarly seven adult literacy centres were opened on 13th November, 1992 at Fatorpa village, of Quepem taluka of South Goa district.

3. Four NSS volunteers (2 male and 2 female) attended leadership training programme 1992 conducted by Goa University on 13th - 15th December, 1992.
  4. NSS volunteers organised "Keep Aids Away" campaign and 'Save Oil' day on 10th January, 1993.
  5. As a NSS activity at the district level our NSS Unit has joined "Tobacco Free Cities by the year 2001".
  6. Y.F.R.R. Camp was conducted for ten years from 15th October to 24th October, 1992 at Fatorpa village of Quepem taluka of South Goa District.
- d) Cultural Activities:

In the cultural field the college has been doing excellent work by organising 'Spic Macay' activities for the last 5 years. This year Spic Macay started with a lecture demonstration of Ustad Fariduddin Dagar. The lec-dem was held on 17th August, 1992 at 10.20 a.m. in the Library Hall of Smt. Parvatibai Chowgule College. Ustadji explained Dhrupad - Dhamar style of classical music to the audience giving live demonstrations. The students as well as teachers liked Ustadji's exposition of Dhrupad. The question answer session added extra beauty to the programme. The programme was well received and appreciated by the students, teachers and critics as well. We look forward to give more programme in the coming year and expect wholehearted participation from students at large.

#### ACHIEVEMENTS OF STUDENTS:

Miss Rakhi Kamalakar Mhalsi stood first in University at the T.Y.B.A. examination held in April, 1993.

Miss Leena Fernandes stood First in University at T.Y.B.A. examination held in April, 1993.

Both the above students were awarded "Lions Club of Margao Scholarship for topping the list of T.Y.B.A. and T.Y.B.Sc. examination respectively.

In addition to the above, the following students were awarded subject prizes for having scored highest marks in the respective subjects at T.Y.B.A. examination, held in April, 1993.

Name of the Award	Name of the Candidate
Mrs. Manju Ghanashyam Nagarsenkar Memorial Scholarship for obtaining highest marks in English	P.S. Deepa
Late Professor Jose Carmelo Coelho Scholarship for obtaining highest marks in English	
Shri N.D. Naik Scholarship for obtaining highest marks in Konkani	Buyam Mandovi Ulhas
Smt. Mirabai Rudraji Sardessai (Vimaltai Usgaonkar) Prize for obtaining highest marks in Philosophy.	Raj Sonif Tony

The directorate of Education and other institutions organised various Essay and Elocution Competition during the year. This college students won a large number of prizes in these competitions.

#### Achievements of Teachers:

Miss Celsa Pinto, from the Department of History in the Higher Secondary Section was awarded Ph.D. by the Goa University this year. Dr. Onkar was invited to participate in a workshop organised for the college teachers represented various SAARC countries. It was organised by Delhi University and the topic was 'Law-cost Chemical Instrumentation' Dr. Onkar is responsible for organising similar workshop for the teachers in Goa in May 1993. Principal V.R. Shirgurkar submitted a paper on 'New Economic Policy and its impact on the Educational Policy which was read at a National level seminar organised at National Institute of Education Planning and Administration, New Delhi. Many teachers - Shri. Ingle, Shri Padiyar, Dr. Joshi, Shri Patil, Mrs. Shirwaikar, participated in refresher courses during this academic year. Shri Kamat and Shri Antony participated in a small workshop - orientation course organised at Madras under the auspices of Indira Gandhi Open University.

#### Results of the College percentage-wise:

Course	Total Enrolment (93-94)			Percentage Oct/Nov.92	Result Mar/Apr. 93
	Boys	Girls	Total		
F.Y.B.A.	58	122	180		
S.Y.B.A.	37	85	122		
T.Y.B.A.	41	102	143	13.3	61.3
F.Y.B.Sc.	136	116	152		
S.Y.B.Sc.	73	97	170		
T.Y.B.Sc.	71	87	158	32.6	64.3
P.G.D.C.A	14	11	15		

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

This is a Diocesan College which was established in June 1963 by the Archdiocese of Goa and Daman. It caters to instruction on in the approved subjects leading to B.A. and B.Sc. degree. Fr. Antimo Gomes is the Principal of the College. There is a hostel for boys run by the College and Girls' hostel is at Khorlim, Mapusa, run by Nuns.

#### Teaching and Research Staff:

1. Rev. Antimo Gomes, M.A.;B.Ed.  
Principal
2. Mr. P.M. Usgaonkar, M.Sc.  
Lecturer
3. Mr. G.R. Dukle, M.Sc.  
Lecturer
4. Mr. A.S. Timble, M.Sc.  
Lecturer
5. Mr. D.R. Natekar, M.Sc.  
Lecturer
6. Mr. A.B. Coelho, M.Sc.  
Lecturer
7. Mr. C.R. Bhonsle, M.Sc.  
Lecturer
8. Mr. Peter Morris, M.Sc.  
Lecturer
9. Mrs. Flavia Barbosa, M.Sc.  
Lecturer
10. Mr. B.S. Keshavan, M.Sc.  
Lecturer
11. Mr. S. C. Tavakari, M.Sc.  
Lecturer
12. Miss M. Elaine Rodrigues, M.Sc.  
Lecturer
13. Mrs. Marina Monteiro, M.Sc.  
Lecturer
14. Mrs. Sheila Velho Martins, M.Sc.  
Lecturer
15. Mr. Nelson D'Souza, M.Sc.  
Lecturer
16. Mr. S. Ramaswamy, M.Sc.  
Lecturer
17. Mr. B.A. D'Souza, M.Sc.  
Lecturer.
18. Mr. A.S. Mudbidri, M.Sc.  
Lecturer
19. Mr. M.M. Savarimuthu, M.Sc.  
Lecturer
20. Mr. G.G. Bakhle, M.A.  
Lecturer
21. Mr. Vasco F.F. Pinho, M.A.  
Lecturer
22. Mr. Daniel D'Souza, M.A.  
Lecturer
23. Mrs. Sudha Chari, M.A.;Ph.D.  
Lecturer
24. Mrs. Ruth D'Souza, M.A.  
Lecturer
25. Mr. James Fernandes, M.A.  
Lecturer
26. Mr. F. David, M.A.  
Lecturer
27. Mr. A.P. Tripathi, M.A.,Ph.D.  
Lecturer
28. Mr. Y.N. Mense, M.A.  
Lecturer
29. Mr. Thomas Mendonsa, M.A.  
Lecturer
30. Mrs. Emilia Mascarenhas, M.Sc.  
Lecturer
31. Mr. B. Rajasekhar, M.Com.  
Lecturer.
32. Mr. Rajendra Kanekar, M.Sc.  
Lecturer
33. Mrs. Anuradha Kakodkar, M.A.  
Lecturer
34. Mrs. Ursula Pinto, M.Sc.  
Lecturer
35. Mr. Tushar Anvekar, M.Sc.  
Lecturer
36. Mrs. Pamela Fernandes, M.A.  
Lecturer
37. Mr. Satish Bute, M.A.B.Ed.  
Lecturer
38. Mrs. Aruna Ganu, M.A.B.Ed.  
Lecturer
39. Fr. Walter D'Sa, M.A.;B.Ed.  
Lecturer
40. Mr. Benedict Soares, M.Sc.  
Lecturer
41. Miss Magdalene D'Souza, M.A.  
Lecturer
42. Miss Edwina Fernandes, M.Sc.  
Lecturer
43. Mr. P.M.V. Tharakan, B.P.Ed.  
Director of Physical Education

**Library :**

Total number of text books, reference books, periodicals and academic journals in the library as on 20/4/1993

Books	29,919
Journals	45

**N.C.C., Sports, Debates, Cultural activities, N.S.S., Educational and Extension works etc.:**

**N.C.C.:** Besides participating in parades on National Days, Tree Plantation, Blood Donation Camp, etc. This year 2 girl cadets were selected for Trekking to Ooty and 8 girl cadets and 2 boys cadets were selected for National Integration Camp at Bangalore. 2 boy Cadets also represented the College for army attachment camp at Bangalore. The highlight of the N.C.C. activities was the selection of Mr. Jayadrath Mapari of the College to represent Goa at the Republic Day Parade at New Delhi.

**Sports :** During the year, the college won many laurels, especially the girls, at the inter-collegiate level sports competitions as given below:

1. Football (women) Champion
2. Cricket (women) Champion
3. Athlets (women) (Ind.Team)Champion  
(Individual & Team)
4. Badminton (women) Runners-up
5. Hockey (women) Runners-up
6. Table-Tennis (Women) Runners-up (indvl.)
7. Weightlifting (men) Champions
8. Best Physique (men) Runners-up

**Cultural Activities:** Our students took part in all the main cultural programmes organised by different colleges and also University, like 'Jubilations', 'Creations', 'Unigo', etc. and won many first prizes overall, and in different individual competitions held under it. In elocution competitions, our students scored major success in winning cups and shields. Special mention could be made of Miss Valerie D'Souza and Mr. John A. Lobo for having won the elocution competitions. Our students also prepared and presented Konkani Programme on A.I.R. under 'Yuvavani', Our own 'Plus Point' cultural programme has become a regular yearly feature in which students take keen interest and

participate enthusiastically in all the competitions held under it like Debates, elocution, skit, essay writing etc.

Eminent persons from different walks of life were invited to give talk to the students under the aegis of the different cultural associations of the college.

This year the college organised the science exhibition on 23rd December which was inaugurated by the Vice-Chancellor Dr. P.R. Dubhashi, who was also the Chief Guest at the College Day Function on the same day.

**N.S.S.:** The N.S.S. Unit of St. Xavier's College began its activities in right earnest Besides the annual feature of campus cleaning, visiting hospitals, home for the aged etc. the N.S.S. volunteers conducted the (1) Literacy survey of Xelpem, Duler in order to identify the illiterates to implement the Adult Literacy programme, launched by the Goa Govt. The Adult Literacy Teaching Programme (Each One Teach One) to contribute towards the task of making Goa 100% literate was undertaken by the volunteers subsequently; (2) Participated in the AIDS awareness Programme held at Swami Vivekanand Hall, Panaji; (3) NSS volunteers and 3 Programme Officers attended the orientation programme organised by Goa Cancer Society how to conduct the survey and help eradicate the tobacco habits from Goa; (4) the annual camp was held at Arambol in which 85 studentns took part in various projects for the benefit of the villagers; (5) As a finale to the NSS activities, the NSS mela was held in the College campus in which various competitions like Quiz, Spelling Bee, Fancy Dress, National Integration songs were presented.

**Educational:** Mr. B. Rajashekar, N.S.S. Programme Officer, attended the Orientation Course on N.S.S. sponsored by the Department of Youth Affairs and Sports, Govt. of India, at Tata Institute of Social Sciences, Bombay.

3 days Faculty Improvement Programme "Course on Self-Renewal" for becoming a happy (and hence effective) teacher, conducted by Dr. Daulalbai B. Desai, Prof. of Education (Rtd.), Faculty of Education & Psychology, M.S. University, Baroda.

**Statistical details regarding the teaching programme and students:**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students In 1991-92			
				1st yr.	2nd yr.	3rd yr.	
1.	ARTS	B.A.	3 years	Boys:	65	57	55
				Girls:	<u>142</u>	<u>125</u>	<u>108</u>
				Total:	<u>217</u>	<u>182</u>	<u>163</u>
2.	Science	B.Sc.	3 years.	Boys :	61	43	37
				Girls:	<u>78</u>	<u>37</u>	<u>33</u>
				Total:	<u>139</u>	<u>80</u>	<u>70</u>

Examination	No. of Students appeared		No. of Students Passed	
	Boys	Girls	Boys	Girls
<b>April 93</b>				
T.Y.B.Sc.	36	31	32	28
T.Y.B.A.	56	97	33	68
<b>Oct. 92</b>				
T.Y.B.Sc.	16	4	6	1
T.Y.B.A.	22	28	7	4
<b>April 92</b>				
T.Y.B.Sc.	42	49	22	39
<b>April 92</b>				
T.Y.B.A.	59	90	28	52

**Publications :**

The Annual College Magazine was published for which students and faculty members contributed with their articles on the theme "Environmental Awareness". The College Bulletin 'Impact' for private circulation was brought out by the English Literary Association, with some fine articles of topical interest.

**Information about campus development, etc.:**

1. The College Library was extended by another 150 sq. mts. making it one of the largest libraries (918 sq. mts.) in the State, to accommodate the increasing number of students availing themselves of the library facilities.
2. The Central Bank of India opened their extension counter in the College premises for the benefit of the staff and students.

**A-4 DEMPO CHARITIES TRUST SRINIVASSA SINAI DEMPO COLLEGE OF COMMERCE & ECONOMICS, ALTINHO, PANAJI-GOA.**

This College established in June 1966 and run by the Dempo Charities Trust imparts instructions in the approved subjects leading to B.Com. degree. Shri D.S. Bhende is the Principal of the College who is also a lecturer in English. The College, however, does not provide any hostel facilities.

**Teaching & Research Staff:**

1. Mr. D.S. Bhende, M.A.  
Principal
2. Dr. V.R. Naik, M.A.;Ph.D.  
Vice-Principal (Reader)
3. Mr. S.L. Sardesai, M.A.  
Lecturer
4. Mr. A.P. Kamat, M.A.  
Lecturer
5. Mr. A.M. Rangnekar, M.Sc.  
Lecturer.
6. Mr. S.J. Pai, M.Com; LL.B.  
Lecturer
7. Mr. A.R. Sakhardande, M.Com.,LL.B.  
Lecturer
8. Mr. V.H. Borkar, M.Sc.  
Lecturer
9. Mr. D.B. Naik, M.A.  
Lecturer
10. Mr. N.N. Naik Gaunekar, B.Com; F.C.A.  
Lecturer
11. Mr. V.A. Naik, B.Com.;F.C.A.;LL.B.  
Lecturer
12. Mr. S.R. Dhume, B.Com., F.C.A.  
Lecturer
13. Mr. C.Y. Ramani, F.C.A.  
Lecturer
14. Mr. S.P. Bhandare, B.Com; F.C.A.  
Lecturer
15. Mr. A.S. Sangoram, M.Com;F.C.A.  
Lecturer
16. Mr. A.K. Moye, M.Com;LL.B.  
Lecturer
17. Shri G.I. Jamadar, M.A.,B.P.Ed.  
Director of Physical Education.
18. Mrs. C. Bodade, M.A. B.Ed.;M.Phil.  
Lecturer
19. Mr. B.C. Nair, M.Sc.  
Lecturer

## Library:

During the year latest and valuable 231 vols. are added to the existing enriched collection of the library by spending Rs.25363 upto February, 1993. The Library is trying to keep pace with the current developments in the respective academic areas to provide latest timely and accurate information to its members. Heavy inflationary rise in subscription of periodicals has brought some changes in list of periodicals subscribed. However, we have been maintaining the number of 50 periodicals and 12 national and local dailies besides those received as donation. Library has 1112 information pamphlets and 1090 bound volumes of periodicals. Important articles are noted down from local and national dailies. Subjectwise files are maintained for ready reference. Content pages of newly arrived periodicals are xeroxed, displayed and filed from time to time which have proved very helpful in seeking information.

## N.C.C.; Sports, Debates, Cultural Activities, N.S.S.; Educational and Extension Works, etc.:

### The N.C.C.

- 1) This year N.C.C. started as usual by oath taking ceremony on the auspicious independence Day, 15th August, 1992. On the same day peel off ceremony was also carried out at the hands of the Principal of the college:
- 2) During the Tree Plantation drive carried out at the Goa University Campus our environment loving cadets actively took part in large numbers and planted about 500 saplings in the University campus.
- 3) At the Annual Training Camp held at NEHRU STADIUM Fatorda, the strength of the college numbered to 32 cadets which itself makes a mark of willingness of cadets to take part in the NCC activities.
- 4) One cadet of S.S. Dempo College, Shawn Fernandes made a mark by representing GOA and KARNATAKA DIRECTORATE in the A.I.B.L.C. camp held at Delhi. He was awarded GOLD MEDAL in the competitions which were held during the camp and became the first cadet to win a GOLD MEDAL for GOA.
- 5) As part of the extra curricular and adventurous activity the N.C.C. cadets had gone for hike to TAMBDI SURLA trekking for about 12 kms.

through the enchanting forests, crossing the streams in a spirit of sporting on the way.

A cycle expedition was also flagged off on 31st Jan., 1993 to ST. JOSEPH'S ISLAND. The cadets were bearing the message of "SAVE PETROL" which is as much important for India's self sufficiency.

- 6) Dempo College Platoon participated in GOA LIBERATION DAY on 19th Dec. and also on 26th January, REPUBLIC DAY PARADE. The Platoon was lead by SENIOR UNDER OFFICER Nilesh S. Rane.

### Sports:

The year 1992-93 was quite satisfactory for us as we did well in the inter-collegiate (M & W) tournaments organised by Goa University. Following is the detailed break-up of the games.

#### Badminton (women) winners:

Under the able Captainship of Leena Pednekar our College won the inter-collegiate Badminton title first time.

#### Power lifting (men) winners:

Under the kind cooperation of Sachin Borkar our college won the title in power lifting section.

#### Best Physique (Men) winners:

Under the able guidance of Norbert D'Souza our college won the title in the inter-Collegiate Best Physique Competition organised by Goa University.

#### Basket-Ball (Men) North Zone Winners:

Under the kind cooperation and able captainship of Mr. Joseph Fernandes our college won the first position in the Basket Ball tournament at Zonal finals. But unfortunately we lost in semi-finals in Inter zonal tournament.

The following teams reached the semi finals

- 1) Volley-Ball (men)
- 2) Badminton (men)
- 3) Kabaddi (men)

The following teams lost in first round

- 1) Football (men)
- 2) Table - Tennis (men)

The following players represented in (under 19) Gulam Ahmed Cricket Tournament for the year 1992-93.



- 1) Vinay Palekar
- 2) Manoj Kharde
- 3) Sandeep Signapurkar

In swimming (men) section Mr. Gulati Vishal Secured III place in 100 mts. Breast stroke.

In Badminton Leena Pednekar played for India in Junior Section.

Best Sports Boy of 1992-93 :

Mr. Sunil Naik, T.Y.B.Com.

Best Sports Girl of 1992-93 : Miss Leena Pednekar, F.Y.B.Com.

— Prof. A.M. Rangnekar (Gym. Chairman)

Prof. V.H. Borkar (Vice-Chairman)

Shri G.I. Jamadar

(Director of Physical Education)

#### Literary and Cultural Activities:

- 1) Our students Sanjit Rodrigues, Ajay Kudnekar, Sagar Athanikar, Miss Ujwala V. Naik, Miss Madhavi Karekar, Miss Leena Pol and Miss Shama Panvelkar participated in a quiz programme which was telecast over Panaji Doodarshan.
- 2) Shri Mukund D.Barve from F.Y.B.Com. participated in an Elocution competition organised by the Maharashtra Information Centre.
- 3) Miss Nisha Nambiar of S.Y.B.Com. and Miss Shilpika Venkatraman of S.Y.B.Com. participated in the Essay competition conducted by the Vivekananda Bharat Parikrama and Miss Nisha Nambiar won the 2nd place.
- 4) Miss Nisha Nambiar of S.Y.B.Com. won the 3rd place and a cash prize of Rs.1,000 in the Essay Competition on Dr. T.B. Cunha arranged by the Directorate of Education, Govt. of Goa.
- 5) Miss Nisha Nambiar participated in an Essay competition conducted by Political Science, Dept. of Goa University. She wrote an essay on the topic "Should Indian States get more autonomy?" and won the first cash prize of Rs.500.
- 6) Miss Nisha Nambiar of S.Y.B.Com. and Miss Shilpika Alghary of S.Y.B.Com. participated in the Essay competition organised by the University for the 40th Anniversary of Independence and Jawaharlal Nehru Centenary.
- 7) Miss Nisha Nambiar of S.Y.B.Com. and Mr. Rahul Coutinho of T.Y.B.Com. participated in the elocution competition on the Anti-Dowry Movement.
- 8) Miss Shilpika Venkatraman and Mr. Rahul Coutinho participated in the Elocution competition organised by Lions Club of Chicalim where Rahul won the second prize.
- 9) Miss Nisha Nambiar, Miss Merilyn Gomes and Miss Salome Sampy participated in the 'on the spot' essay competition conducted by the History Deptt. of Goa University. The topic was "Nature and Significance of the Quit India Movement".
- 10) Mr. Amlesh Kumar, S.Y.B. Com. and Kr. Kyan Soares of F.Y.B.Com. participated in the All Goa Inter-Collegiate Speech contest for October, 1992.
- 11) Miss Nisha Nambiar of S.Y.B.Com. and Mr. Vishal Gulati of S.Y.B.Com. and Mr. Afraz Kunji, S.Y.B.Com. participated in the All Goa Inter-Collegiate Quiz Competition.
- 12) Miss Nisha Nambiar participated in an Essay competition conducted by the Forest Department on the topic "Biological Diversity and its need for human development".
- 13) Jason Viegas and Joan Pires participated in the Razz Mataz Dancing Competition and won. They also won the All Bombay Dancing Competition.
- 14) Mr. Ajay Kudnekar of T.Y.B.Com. participated clay modelling competition organised by Goa University.
- 15) "Challenge and Response" organised by the Indian Red Cross Society, Panaji.
- 16) Shri Rajneesh Amin of S.Y.B.Com., Shri Vishal Gulati of S.Y.B.Com. and Miss Nisha Nambiar of S.Y.B.Com. participated in the Quiz competition by Shree Damodar College of Commerce and Economics and won the 1st place.
- 17) Shri Mukund Barve of S.Y.B.Com. will participate in the elocution competition on "National Integrity-Challenges & Solution" to be conducted by the Maharashtra Parichaya Kendra.
- 18) The forum of Free Enterprises, Bombay organised a Leadership Camp on 30th and 31st Jan. 1993 in our college. Many students from the various institutions of North Goa participated. The camp was sponsored by Dempo

Charities Trust. Mr. Vassudev Dempo inaugurated the camp. Eminent faculty members like Mr. Nikhil Dessai, Mr. Murli Mehta and Mr. Vivek Patki from Bombay conducted it. It was very beneficial to all the students.

- 19) The Annual Social gathering of the College was held on 21.12.1992 at Kala Academy, Panaji. Shri Jagadish Surlakar, Chairman of H.S.S. Board was the Chief Guest, who distributed the prizes. Shri Rahul Coutinho was declared as the best boy student of the year and the best girl student award was shared by Miss Aarti Sardessai and Miss Shama Panvelkar.

**Statistical details regarding teaching programme and students:**

Branch of study		Degree awarded		
Commerce		B.Com.		
Duration of Degree Course		No. of Students in 1992-93		
		1st yr.	II yr	III yr
3 years	Boys	164	169	104
	Girls	177	133	125

**Results of the college percentage wise:**

F.Y.B.Com.	71.39%
S.Y.B.Com.	70.00%
T.Y.B.Com.	30.00%

**A-5 CARMEL COLLEGE OF ARTS & SCIENCE FOR WOMEN, NUVEM - GOA.**

The College was established in the year 1964 to impart instruction in the approved subjects leading to B.A., B.Sc. & B.Com. degrees. Run by the Apostolic Carmel Education Society, the institution is exclusively meant for women. Sr. M. Posanne A.C., is the principal of the College. No hostel facilities are provided by the college.

**Teaching and Research Staff:**

1. Sr. Rosanne A.C., M.A., B.Ed. Principal.
2. Sr. Margaret A. D'Souza A.C. M.Sc. Vice-Principal
3. Dr. (Miss) Meenakshi Mallya, M.Sc., Ph.D. Head Dept. of Biology.
4. Mrs. Nora Govil, M.A. Sr. Lecturer.
5. Mrs. Lucretia Pereira, M.Sc. Sr. Lecturer.

6. Mrs. Dina D'Silva, M.A., D.H.E. Sr. Lecturer.
7. Sr. Florence Mary A.C., M.Sc. Sr. Lecturer.
8. Mr. K.J. Augusthy, M.A., D.H.E. Sr. Lecturer.
9. Mrs. Marykutty Augusthy, M.Sc. Sr. Lecturer.
10. Mrs. Shobha Verenkar, M.A. Lecturer.
11. Dr. (Mr.) M.C. Mathai, M.Com., M.Phil., Ph.D. Head Dept. of Commerce.
12. Sr. Emma Maria A.C., M.A. Lecturer.
13. Mrs. Molly Joseph, M.Sc. Lecturer.
14. Mrs. M.L. Valladares, M.A. Head Dept. of English.
15. Mrs. Rajendra, M.Sc. Lecturer.
16. Miss Subhadra D. Gadi, M.Sc. Lecturer
17. Mrs. Mini N., M.Sc. Lecturer.
18. Miss Nirmala Joseph, M.Sc. Lecturer.
19. Dr. (Miss) Sulabha Phatak, M.Sc., Ph.D. Lecturer.
20. Mrs. Albertina Menezes e Velho, M.Sc. Lecturer.
21. Mrs. Lolita D'Souza, M.A. D.H.E. Lecturer.
22. Mrs. Radhika Nayak, M.A. Lecturer.
23. Mr. Manoj Borkar, M.Sc. Lecturer.
24. Mr. Efrem D'Sa, M.Sc. Lecturer.
25. Mrs. T. Gladys Mony, M.Sc., B.Ed., M.Phil. Lecturer.
26. Miss Nizia Barbosa, M.A. Lecturer.
27. Mr. Olavo Gama e Menezes, M.Com., B.P.Ed. Physical Education Director.
28. Miss Cheryl Varela, M.Sc. Lecturer.

29. Miss Christabel Faria, M.A.  
Lecturer.
30. Mr. D.V. Valaulikar, B.Sc., LL.B., C.A.  
Lecturer.
31. Miss Leila Mascarenhas, M.A.  
Lecturer.
32. Miss Juliana D'Souza, M.Com.  
Lecturer.
33. Mrs. Akalpita Dessai, M.A.  
Lecturer.
34. Miss Louise Ann Fernandez, M.A.  
Lecturer.
35. Miss Nina Calderia, M.A.  
Lecturer.
36. Miss Nirmala Abreu, M.A.  
Lecturer.
37. Sr. Matilda Madtha A.C. M.Sc.  
Lecturer.
38. Miss Maria L. Fernandes, M.A.  
Lecturer.
39. Mr. P.P. Singh, M.A. LL.B., LL.M.  
Lecturer.
40. Dr. (Mr.) S.S. Hiremath, M.A., Ph.D.  
Lecturer.

**Library :** Books - 14569; Academic Journals - 22;  
Popular Journals - 10;

**Information about the Research projects completed by the teachers, and seminars/workshops held by the college:**

1. A Seminar on Value - Education, counselling, performance evaluation and self evaluation was organised by AIACHE & Carmel College. It was attended by Sr. M. Rosanne A.C., Sr. Margaret Angela A.C., Mrs. Lucretia Pereira, Mr. K.J. Augusthy, Mrs. Maria Luissa Ferrao Valladares, Mrs. Shobha Verenkar, Sr. Florence Mary A.C., Mr. Rajendra, Miss Subhadra Devi Gadi, Mrs. Lolita D'Souza, Mrs. Radhika S. Nayak, Miss Nizia M. Barbosa, Miss Christabel Faria, Miss Cheryl Varela, Miss Leila Mascarenhas, Mrs. Akalpita Dessai, Miss Louise Ann Fernandez, Mrs. Albertina Velho, Sr. Mathilda Madtha A.C., and Mr. Olavo M. Gama.
2. Sr. M. Rosanne A.C. conducted Orientation, Colloquium on Ministry of teaching for new staff and was attended by Miss Christabel Faria, Miss Cheryl Varela, Miss Leila Mascarenhas and Mrs. Albertina Velho.

3. Refresher course in Chemistry for College teachers was organised by Goa University and was attended by Mrs. Lucretia Pereira, Sr. Florence Mary A.C., and Miss Cheryl Varela.
4. A seminar on teaching Economics at the undergraduate level was organised by Goa University and was attended by Mrs. Lucretia Pereira and K.J. Augusthy and Mrs. Radhika S. Nayak.
5. A Refresher Course for Chemistry teachers was organised by Academic Staff College, Goa University and was attended by Sr. Margaret Angela A.C.
6. A Refresher Course in Economics was organised by Gokhale Institute of Politics & Economics, Poona and was attended by Mr. K.J. Augusthy.
7. A Refresher Course in commerce was organised by Academic Staff College, Goa University and was attended by Dr. M.C. Mathai.
8. One day seminar for teachers of English was organised by Goa University and Govt. College Sanquelim. It was attended by Mrs. Maria Luissa Ferrao Valladares and Miss Nizia Barbosa.
9. Seminar on Canadian Studies was organised by Goa University and was attended by Mrs. Maria Luissa Ferrao Valladares and Miss Nizia Barbosa.
10. Seminar on Goals of Higher Education was organised by Nirmala Institute of education and was attended by Mrs. Maria Luissa Ferrao Valladares and Miss Nizia M. Barbosa.
11. VIIIth Local History Seminar was organised by Goa University. It was attended by Sr. Emma Maria A.C.
12. Mrs. Shobha Verenkar attended a seminar on 'Nayer Kavita Tatia Nayer Kayanimen Mohabhang' organised by Goa University.
13. I.C.S.S.R. Work shop on Goan Folklore, Theories, perspective and Methodologies was organised by Goa University and was attended by Sr. Emma Maria A.C., and Miss Leila Mascarenhas.
14. "Is there a case for socialism" organised by the Department of Political Science, Goa University and attended by Mrs. Radhika S. Nayak and Mrs. Lolita D'Souza.
15. Miss Christabel Faria attended an N.S.S. Orientation Course organised by T.I.S.S.

16. Mrs. Akalpita Dessai attended a one day seminar on syllabus, organised by Konkani Department, Goa University.
17. Miss Louise Ann Fernandez attended NCC training Course at Gwalior organised by WOTS Gwalior.
18. Mr. Olavo M. Gama attended a seminar on Role of Physical educators organised by Goa University, Sports Department. He also attended a Research Project - Effect of selected Callisthnic and weight bearing exercises, in the performance of vertical Jump organised by Shivaji University, Kolhapur.

**N.C.C., Sports, Debates, Cultural Activities, N.S.S., Education and Extension works, etc.:**

**N.C.C. :** In Carmel College there is NCC training for the cadets of Carmel College as well as Damodar College. The total number of vacancies allotted by Goa Girls in N.C.C. is 50 for Carmel College and 15 for Damodar College.

N.C.C. Parades are held every Tuesday from 1 p.m. to 5 p.m. A total number of 40 parades are required to be completed within a year. Officers from the PI staff come from Panjim to inspect the parades alongwith Miss Louise Ann Fernandez, the Officer incharge of NCC in the college.

Miss Pramila was appointed the senior most cadet under officer.

The Annual training camp for the senior girls wing NCC organised by 1 Goa Girls Bn N.C.C. was held on the Jawaharlal Nehru Stadium at Fatorda from 4th to 14th November Cadets from various colleges of Goa attended the camp. The entire training programme was designed by the new commanding officer Col. VRD Padle. The various activities during the camp included the cross country competition in which Miss Subhangi Kamat from Damodar College got the 8th place and Miss Monica D'Mello from Carmel College got the 2nd place in the signals competition. The best cadet award was given to Miss Raksha Kochkar from Carmel College and Miss Chelsia Gonsalves from Damodar College. Besides, there was also the Drill Competition Kit layout competition and First Aid Competition. Three of the cadets, Miss Raksha Kochkar, Rekha Kumari and Elvita Vas were selected to attend the parade at Panajim on 19th December, Prior to this camp 2 cadets from Carmel

College, Miss Cresnella Luis and Miss Jennifer D'Souza were among the 25 cadets from different colleges to represent Goa in the BLC camp held in Belgaum. Miss Jennifer D'Souza qualified herself in the General Stream and was selected to go for a camp at Bijapur in October. Later she was given the CSM rank. Ten cadets from Carmel College also donated blood at the blood donation camp held in Damodar College in the month of August.

The Independence day on the 15th of August was celebrated with the hosting of the flag by the Principal of the college. March Past, Singing of the National Anthem and a speech by Miss Riva Antao. The Republic day celebrations on the 26th of January was witnessed by the staff and students of Carmel College. Sr. Rosanne unfurled the flag, took the salute and inspected the guard of honour. This was followed by a short programme presented for staff and students of the college.

**N.S.S. :** The NSS Volunteers of Carmel College conducted the following activities during the academic year 1992-93.

At the beginning of the year a socio-economic and literacy survey was conducted by eight volunteers living in and around the adopted village Anuz, the purpose was to find the problems and requirements of the village. Visits were payed and medicines provided to the sick. Talks on the importance of education and banking and the consequence of alcoholism were given. Around 20 volunteers took up Adult Literacy Mission, Margao, which provided us with names and addresses of illiterates from in and around Nuvem. Lecturers too were encouraged to take up at least one person.

The NSS Volunteers were also involved in the development of wood lots allotted by the University with the view of promoting the aim of environmental consciousness and a sense of belongingness to the University. The Vice - Chancellor Dr. Dubhashi deeply appreciated the efforts. Besides the work done on college campus keeping the surroundings clean tending to trees and Botanical gardens were also maintained.

The volunteers also extended help to the Hospicio (Margao) and the home for the aged at Margao, Verna and Majorda. Free tuitions to school going children were undertaken. Christmas celebrations were organised at the adopted

village and at the Lar de St. Terezinha Margao.

The N.S.S. Unit had an AIDS awareness programme for the college students wherein a play was enacted, song sung and posters and charts were displayed in the college and a poster competition was held.

**Sports :** Sports activities for the year 1992-93. The College participated in the following events: Basket - Ball, Football; Volley-Ball; Tennikoit; Kabaddi, Cricket; Handball; Athletics.

The College emerged winners in Volley-ball, Handball, tennikoit and were runner-up in Basket-ball and Kabaddi.

Five of the players were on the University Football team which won the All - India Inter-varsity Championship.

**Cultural Activities :** The students always participate in activities like All India Radio Programme, Elocution and Essay Competitions, Women's Cell, Class-wise Canteens, Fashion Show, Quiz Programmes, Debates etc. at the Collegiate and Inter-collegiate level and are awarded various prizes in this field.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93 (sexwise)		
				1st yr.	2nd yr.	3rd yr.
1.	ARTS	B.A.	3 years			
			Girls:	130	113	111
2.	Science	B.Sc.	3 years			
			Girls	58	58	59
3.	Commerce	B.Com.	3 yrs.			
			Girls	81	68	64

Results of the College percentage-wise:

Faculty	March/ April, 1992	Oct/ Nov., 1992	March/ April, 1992
B.A.	App:89 Pass : 58 65.1%	App:27 Pass : 14 51.85%	App : 115 Pass : 66 57.39%
B.Sc.	App:43 Pass : 29 67.4%	App : 11 Pass : 03 27.27%	App : 54 Pass : 48 89%
B.Com.	App:89 Pass : 58 39.6%	App : 49 Pass : 14 28.57%	App : 59 Pass : 13 22.3%

**Publications :** College project on Environmentalism and College Magazine.

Information about Campus development, construction of new buildings, opening of new subjects. etc. :

Construction of the College Canteen is going on.

**A-6 MURGAON EDUCATION SOCIETY'S COLLEGE OF ARTS & COMMERCE ZUARI NAGAR - GOA**

The College established in June 1972 is run by the Murgaon Education Society and imparts instruction in the approved subjects leading to B.A. and B.Com. degrees. Prof. Madhav S. Kamat is the Principal of the College. No hostel facilities are provided by the College.

**Teaching and Research Staff:**

1. Prof. M.S. Kamat, M.A.  
Principal.
2. Prof. H.T. Nagvenkar, M.A.  
Vice-Principal
3. Prof. N.B. Kale, M.A.  
Lecturer.
4. Prof. D.A. Kamat, M.Sc.  
Lecturer.
5. Prof. K.S. Nairi, M.A., LL.M.  
Lecturer.
6. Prof. (Miss) Maria de Ceu Rodrigues, M.A.  
Lecturer.
7. Prof. Prakash Pawar, B.Com (Hon) FCA  
Lecturer.
8. Prof. B.S. Ingalhalli, M.A.  
Lecturer.
9. Prof. M.L. Bhuttewadkar, M.Com.  
Lecturer
10. Prof. S.N.D. Poojary, M.A.  
Lecturer.
11. Prof. B.V. Kolekar, M.Com.  
Lecturer.
12. Prof. R.B. Patil, M.A.  
Lecturer.
13. Prof. B.S. Nagarsekar, M.Com.,LL.B., FCA  
Lecturer
14. Prof. Ulhas Shetye, M.A., LL.B.  
Lecturer.
15. Prof. (Mrs.) Lalita Joshi, B.Com.,M.B.A.  
Lecturer.
16. Prof. (Mrs.) Rekha Gaonkar, M.A.  
Lecturer.
17. (Prof. Mrs.) Sandhya Bhandare Sequeira,  
Lecturer M.A.,B.Ed.,M.Phil..

18. Prof. Vasant Sail, M.Com.  
Lecturer.
19. Prof. Ashok M. Sambargi, M.A., M.Phil.  
Lecturer.
20. Prof. (Mrs.) Rashmi Bhargava, M.A.  
Lecturer.
21. Prof. Ganesha Somayaji, M.A.  
Lecturer.
22. Prof. (Miss) Champa R.Parab, M.Com.  
Lecturer.
23. Prof. (Mrs.) Meenakshi Gedam, M.A., M.Phil.  
Lecturer.
24. Prof. (Mrs.) Arati S. Chati, M.Sc., M.A.  
Lecturer.
25. Shri P.A. Borgava, M.A., M.P. Ed.  
Sports Director.
26. Prof. Ehrlich Barreto, M.Sc.  
Lecturer.

**Library :** Total No. text books - 497;

Reference books 9824; No. of Periodicals - 47;

Academic Journals - 29.

**Information about the Research Projects completed by the teachers, and seminars/workshops held by the College:**

The teachers have brought laurels to the Institution. Mrs. Rashmi Bhargava represented the college at the 80th Indian National Science Congress held at Goa in January, 1993. She read a widely appreciated paper on Psychology titled as symposium of 'Role of Psychologists in Combating the Social Evils and Tensions'. Mrs. Rekha Gaonkar of the Dept. of Economics was awarded teacher fellowship by the University Grants Commission for completing her research at the Karnataka University for the Ph.D. degree. Prof. N.B. Kale participated in two seminars organised by Goa University for the teachers of Marathi and Konkani.

Prof. Ganesha Somayaji read a paper on Sociology of religions at an All India seminar in Goa. He has been also selected by the Government of India to undergo pre-Commission training in N.C.C.

Prof. Mrs. Lalita Joshi, Lecturer in Business Management had the distinction of being appointed as the first executive director of Murgaoon Education Society's Institute of Management training and Research.

Prof. R.B. Patil and Prof. V.V. Sail, underwent N.S.S. Orientation Course at the Tata Institute of social sciences, Bombay. Shri V.S. Hajare, was selected by Poona University to undergo Refresher course for the College Librarians, under the UGC Faculty Improvement Scheme. Shri P.A. Borgave participated and successfully completed a Refresher Course for the Directors of physical Education under the UGC's Faculty Improvement Scheme at Gwalior. Prof. Mrs. Sandhya Bhandare Sequeira participated in a Refresher Course for the teachers of English at the Poona University under the UGC Faculty Improvement Scheme.

The Past M.E. Sites Association this year on the occasion of Teachers' Day felicitated four senior Teachers of our College and Higher Secondary Unit. The celebrities that were honoured by our beloved students were prof. Narendra Kale, Prof. Dinesh Kamat, Prof. Mrs. Melita Correia Quadros and Prof. Milind Mhadgut. At this heart warming function Dr. Kashinath Mahale a Great Goan and former Vice-Chancellor of Manipur University was the Chief Guest. The Speaker of Goa Legislative Assembly, honourable Shri Shaikh Hassan Haroon presided over the function. Both the dignitaries were all praise for the peaks of excellence scaled by the M.E.S. College in which endeavour its teachers have contributed a lion's share.

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

The N.C.C. Cadets of Army, Navy and Girls wings celebrated the Independence Day of India by organising a massive three plantation programme on the M.P.T. Hills for the third year in succession. This year they organised a magnificent and spectacular one day NCC "Mela" on the sprawling College grounds. Para sailing, Aero modelling, section attack Drill and demonstration of martial arts were the highlights of this function.

62 N.C.C. Cadets and N.S.S. Volunteers donated blood for the Goa Blood Bank.

M.E.S. College Annual Athletic Meet was organised on M.P.T. grounds. Mr. Torcato Fernandes of F.Y.B.A. bagged Individual Championship for Men and Miss Shali Shetty of F.Y.B.Com. won Women's Individual Championship. Mr. Torcato Fernandes bagged Gold Medal in Cross Country race organised by Goa University and at the Goa State Athletic Meet he secured Gold medal in 1500 mts. run. He was also the member of the Goa University Athletic team to participate at the Inter-University Athletic Meet held at Gwalior. Mr. Roy Fernandes won Gold

Medal in Cycling race from Carmel College to Goa University organised by Goa University. Mr. Sandeep Kulshrestha won Gold Medal in Body Building Championship organised by Goa University. Mr. Joseph Afonso was the member of Goa University Football team which won All India, Inter-University Ashutosh Mukherji Football Championship held at Jabulpur. College Hockey team led by Mr. Gilbert Moses won the South Zone Championship at the Inter-Collegiate Hockey Tournament.

At the All India Essay Competition organised by Maharashtra Chamber of Commerce and Industries, Bombay, Miss B.B. Shali secured third prize for a Essay in English on the subject "Changing Scenario" of Indian Economy. At the Wild Life Week Celebration Essay Competition organised by Forest Department of Government of Goa, two students Shri Rama Shankar Kevat secured second prize and Miss Rajani Gandhao secured the third prize the Hindi essays. Miss Anita Devker and Shri John Pinto were selected to represent Goa University for the All India Inter-University Debating Competition on "Co-operation".

Under the dynamic leadership of the General Secretary 'Shri Augusto pereira, the students' Council organised series of educative and innovative programme throughout the year. In August, 1992, the council celebrated the Diamond Jubilee of August Kranti. The Lady students of the college under the leadership of Miss Anita Devker celebrated the "Ladies Week" by organising several innovative programmes like "Wealth from Waste" Competition of glittering fashion show.

The activities of NSS Wings of the college during the current year were inaugurated by Dr. Sharad Vaidya, the renowned surgeon and honorary secretary of Goa Cancer Society. He gave a call to the NSS Volunteers to launch tobacco free Vasco City by the year two thousand. The NSS unit has accepted this call and has launched a 8 year plan of tobacco eradication from out Port Town.

The NSS Unit organised a special camp at village Kalay during the October vacation. In collaboration with the Directorate of Sports and Youth Affairs, Government of Goa has organised the valedictory function of the National Youth Week celebrations in Goa. On this occasion Shri Prashant Joshi, Vice-President of Cricket Control Board of India was the Chief Guest. On this historic occasion the chief guest named the college Gymkhana Hall as "SWAMI VIVEKANANDA HALL" and unveiled life size portrait of Swamiji in the hall.

The most notable and unforgettable event during the year was the visit of Vivekanand Bharat Parikrama party to our College on 31st Oct., 1992 led by Dr. Laxmi Kumari. The party halted at the campus enroute from Vasco to Margao. A large gathering of students, staff and the members of Murgao Education Society welcomed the party. Dr. Laxmi Kumari praised the college for its many splendured progress.

The art circle of the college in collaboration with Kala Vrind, Vasco organised one day cultural workshop cum seminar at which 50 selected boys and girls possessing artistic talents were exposed to various opportunities available in different fields of art and culture.

#### Statistical details regarding teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students In 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	Commerce	B.Com.	3 years			
			Boys	163	99	55
			Girls	111	93	78
			3 yrs			
2.	Arts	B.A.	Boys	62	36	24
			Girls	79	70	58

Results of the College percentage-wise:

	March 1992	Oct. 1992	March, 1993
T.Y.B.A.	62%	41%	87%
T.Y.B.Com.	29%	31%	33%

#### A-7 VIDYA VIKAS MANDAL'S SHREE DAMODAR COLLEGE OF COMMERCE & ECONOMICS, MARGAO - GOA

The College was established in June 1973 to impart instructions in the approved subjects leading to B.Com. degree. The College is run by the vidya Vikas Mandal, Margao. Shri D.V. Borkar is the principal of the College. The College, however, does not provide hostel facilities.

#### Teaching and Research Staff :

1. Shri D.V. Borkar, M.Com., LL.B.  
Principal & Head of the Dept. of Commerce
2. Shri G.M. Prabhudesai, M.A., LL.B.  
Vice-Principal & Head of the Dept. of Economics.
3. Shri G.G. Kondli, B.A., M.A.  
Lecturer

4. Shri V.G. Patil, B.Sc., M.Sc.  
Lecturer.
5. Shri R.T. Virkar, B.Com,M.Com.  
Lecturer.
6. Shri J.M. Verlekar, B.A.,F.C.A.  
Lecturer.
7. Shri N.T. Mathew, B.Com., F.C.A.  
Lecturer.
8. Shri Suhas B. Mulay, B.Sc.,M.Sc.  
Lecturer.
9. Shri M.A. Redkar, M.Com., LL.B.  
Lecturer.
10. Shri V.F. Chimulkar, B.Com., F.C.A.  
Lecturer.
11. Shri D.A. Bale, B.A., F.C.A.  
Lecturer
12. Mrs. J.M. Rebello, B.A., M.A.  
Lecturer
13. Mrs. M.E. Abranches, B.Sc., M.Sc. D.H.E.  
Lecturer.
14. Mrs. U.N. Pulapaka, B.Com., M.Com.  
Lecturer.
15. Shri A.R. Neelgar, B.Com.,M.Com.  
Lecturer.
16. Shri G.S. Keni, B.Com., C.A.  
Lecturer.
17. Mrs. Prita Mallya, M.A., M.Phil.  
Lecturer.
18. Mrs. Lydia Menon, M.A., LL.B.  
Lecturer.
19. Miss Florence Rebello, B.A.,M.A.  
Lecturer. M.A.(Hist),D.H.E.
20. Shri P.P. Singh B.Sc.,M.A.,LL.B.,LL.M.  
Lecturer Dip. in Labour Laws.
21. Shri Narayan Desai, B.A.,M.A.  
Lecturer.
22. Mrs. N. Gopinathan, B.A., M.A.  
Lecturer.
23. Miss Prisca I. Branganza, B.Com,M.Com  
Lecturer.
24. Shri S.V. Yalagi, B.A., B.Lib. Sc.,M.Lib. Sc.  
Librarian.
25. Shri S. T. Naik, B.A.,B.P.Ed.  
Sports Director.

**Library** : Total No. of Books - 8753; No. of Reference books - 4823; No. of text books - 2447; No. of periodicals - 40; No. of Academic Journals - 23.

**NCC, Sports, Debates, Cultural Activities, NSS., Educational and Extension works, etc.:**

**NCC (Special Achievement)** : The cadets associated themselves actively in all adventure training and social service activities with re-affirmed dedication and sincerity.

1. Leading Cadet Edwison C. Pinto, Sayyed Iffiyaz and N.Cl. Quadros Faraday J. attended the 1st phase of the Pre R.D. Camp held at Belgaum during July '92. Later the above cadets along with Cadet Riyaz A. Shah, Cadet Shaikh Mohammed Iffhan, Cadet Sanjay P. Monteiro attended the IIrd and IIIrd phase pre R.D. camp held at Belgaum, at Bijapur during sept. '92 and Oct. '92 respectively.
2. P.O. Cadet Segio Do Carmo Fernandes and Ldg. Cadet Stanley Joseph attended the specialised Boat Pulling Camp held at Cochin during Sept.'92.
3. P.O. Cadet V. Girish Shenoy attended the Nau Sainik Camp held at Vishakhapattanam during Oct.,'92.
4. The tree plantation drive was carried out around the college complex and the J.N. Stadium complex during July - Sept'92. In all 100 new saplings of different varieties were planted by the cadets.
5. As a unique gesture our 14 cadets lent their helping hand for the cause of the blind, by collecting nearly Rs.2850/- towards the National Association for the Blind, Karnataka Branch Bangalore, during Nov.,1992.
6. A Centrally organised Blood donation drive camp was organised in the college on 8th Sept.'92.
7. 14 Naval Cadets of the Division donated blood to the G.M.C. Blood Bank.
8. Two cadets are selected to attend the National Integration camp to be held at Mysore during May, 1993. Ronald Menezes and Prahar Savordekar attended the camp.
9. The results of 'C' certificate examination of 1991-92 are 100% All five cadets of this division who had appeared have passed the examination.



## Sports :

1. Football: Eight of our footballers were selected to constitute the Goa University Football team. The women football team also reached the semi finals at the Goa Inter collegiate tournament and 2 of the Women players were selected for the Goa University team of 1992-93. This team also won the All India Inter University (Women) Football tournament held at Amravati.
2. Kho-Kho : AT the Inter Collegiate Kho-kho tournament (Men), the college team won the championship.
3. Basket Ball : Our women basketers not only clinched the south zone championship but also retained the Inter Zone Championship for 1992-93. The male Basketers had to be content with the runners up cup at the Inter Zone level.
4. Badminton : The Badminton (Men) team won the runners up position at the Inter Collegiate tournament.
5. Handball : The team was the runners up of the University Championship for 1992-93.
6. Athletics: The Cross Country teams (Men and Women) have won the championship which shows determination and confidence of the athletes. In the Individual events at the Inter collegiate Athletic championship, the women team got the runners up trophy while the men took 3rd position.
7. In the Inter collegiate Men's Cycling Championship and in Women's tennikoit Championship the teams were the runners up. Miss Joy Dias won the runners up position in the Inter collegiate lawn tennis tournament.

Shri Sudhaker Naik, Sports Director accompanied the Goa Jun or Athletic team at the All India Inter State Athletics Championship held at Ajmer - Rajasthan as the Manager. He also accompanied the Goa State Senior Athletic team at the All India Road Walking competition held at Poona.

**NSS :** The College NSS Unit had enrolled about 389 volunteers. Besides the routine activities, two camps were organised - one at Savoi Verem and the other at Bethora. Miss Ruth Keni and Miss Schita Naik attended a leadership camp organised by the Goa University. The NSSS volunteers Collected Rs. 21,400/- for the Vivekananda Parikrama.

**Cultural Activities :** Round the year various cultural programmes are organised. The inter collegiate competitions include the prestigious U.N. BENE QUIZ COMPETITION, the V.N. Kamat Inter Collegiate Magazine contest and the Satpute Memorial Poets Meet.

## Statistical details regarding the teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	Commerce	B.Com.	Boys	168	201	137
			Girls	237	151	130
			Total	405	352	267

Results of the College percentage-wise:

B.Com.		No. of Students	
		appeared	passed
(1st half of 1992 - April '92)			
B.Com.	Boys	281	90
	Girls	218	87
	Total	499	177
(2nd half of 1992 - Oct., '92)			
B.Com.	Boys	180	31
	Girls	113	25
	Total	293	56
(1st half of 1993 - Apr.'93)			
B.Com.	Boys	213	59
	Girls	176	75
	Total	389	134

## Information about campus development, construction of new buildings, opening of new subject, course programmes:

Principal D.V. Borkar delivered 2 lectures at the 26th Orientation Programme held at Kolhapur from 28.10.92 to 24.11.92, organised by the Department of Education, Shivaji University, Kolhapur. Prof. R.T. Virkar, Prof. (Mrs.) Uma Pulapaka & Prof. V.G. Patil attended 2 day workshop on Evaluation held by Academic Staff College, Goa University, on 11th & 12th Sept., 1992. Prof. R.T. Virkar, Prof. A.R. Neelgar, Prof. (Mrs.) N. Gopinathan and Prof. Uma Pulapaka attended Refresher Course in Commerce held by Academic Staff College, Goa University from 19.10.92 to 7.11.92.

Prof. G.G. Kondli and Prof. (Mrs.) Prita Mallya attended the Indo-Canadian Seminar held at Goa University on 11th and 12 the March, 1993.

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

The College was established in June, 1974 to impart instruction in the approved subjects leading to the B.Com. degree. The College is run by the Dnyanprasarak Mandal. Prof. Gopal Govind Mayekar is the Principal of the College.

**Teaching and Research Staff :**

1. Mayekar G.G., M.A.  
Principal.
2. Diwan S.A., M.Sc.  
I Vice-Principal
3. D'Souza X.P., M.A.  
Lecturer.
4. Sontakki C.N., M.Com., Ph.D.  
Lecturer.
5. Jacob Varkey, M.A., LL.B.  
II Vice - Principal
6. Kulkarni S.H., M.Com.  
Lecturer.
7. Deshpande D.M., M.Com.  
Lecturer.
8. Arsekar R.D., M.A., LL.B.  
Lecturer.
9. D'Lima E.J., M.A.  
Lecturer.
10. Ferreira Esther, M.A., Ph.D.  
Lecturer.
11. Dharwadkar S.B., M.A., M.Phil.  
Lecturer.
12. Kakamari K.G., M.Sc.,  
Lecturer.
13. Devi T.R., M.Com.  
Lecturer.
14. Patil S.D., M.Com.  
Lecturer.
15. Patil M.R., M.Com.  
Lecturer.
16. Gupte V.S., M.A.  
Lecturer.
17. Dukle R.V., B.Com. C.A.  
Lecturer.

18. Haladi Anita, M.A.  
Lecturer.
19. Karapurkar S.B., MCA  
Lecturer.
20. Pawar P.P., B.Com.C.A.  
Lecturer.
21. Joshi D.V., B.Com. C.A.  
Lecturer.
22. Vaze S.M., B.Com., C.A.  
Lecturer.
23. Kamat S.J., B.Com., C.A.  
Lecturer.
24. Dhavjekar G.T., B.Sc., LL.B.  
Lecturer.
25. Souza S., M.A., LL.B.  
Lecturer.
26. D'Souza Domitel, M.A.  
Lecturer.
27. Uchgaonkar P.A., M.A.  
Lecturer.
28. Kulkarni P.P., M.A., B.Lib.  
Librarian.
29. Nesarkar B.A., M.A., B.P.Ed.  
Physical Education Director.

**Library :** Total number of books - 8249; Total numbers of U.G.C. Reference book - 443; U.G.C. Book Bank - 672; periodicals - Academic - 19 + 2 (UGC); Non - Academic - 8; Newspaper - 11. Donated books - Ajagaonkar - 2334 & Coscar - 222.

**N.C.C, Sports, Debates, Cultural Activities, NSS., Educational and Extension Works, etc. :**

**N.C.C. (Boys Wing) :** The aim of the NCC in general is to develop qualities of character, courage, comradeship, discipline, leadership and secular outlook.

NCC Unit completes 18 years under the able leadership of Coy. Commander Major E.J. D'Lima. Some of the activities that were conducted are, the independence day celebrations, with an impressive march - past by the cadets, when the Principal Prof. G. Mayekar took the salute, a cycle expedition on December 6th to Forth Aguada, and for the first time, an NCC Mela for 2 days. It was inaugurated on

the eve of the Liberation Day by Major R.K. Birla, the Adm. Officer of 1 Goa BN NCC. He also took the salute at the Parade commanded by SGT, Nilesh Salgaonkar. The cadets gave a demonstration of a section attack and Bayonet fighting. It also included games, refreshment stall, etc. Cadet under Officer Ajit Baretto commanded the parade while SGT Shrikant Mulgaonkar Commanded the Platoon at the Liberation Day Parade at Mapusa. Various Competition activities like Drill, Elocution, and slow cycling were held during the year in which the cadets participated whole heartedly. The cadets participated and won prizes in a number of activities organised by 1 Goa BN NCC. A combined Annual training camp was attended by 47 cadets which was held at Fatorda in November. At the camp CUO Ajit Baretto was selected as best cadet. Cadet Sunil Kudnekar Secured the third place in the Cross Country, while L/CPL Santosh Dhargalkar and cadet Vishwambar Shirodkar were selected as Best Pilot and Regimental Police respectively. Cadet Vengurlekar Nitin was selected in the special squad. L/CPL Godfrey Pinto, L/CPL Shirodkar Ashish and L/CPL Manoj Karkera were selected as best Quarter Guard. CPL Salgaonkar Surendra and Cadet Ramkrishna Mandrekar donated blood to an emergency call for blood. The annual classification firing at 3 MTR Navelim was attended by 69 cadets. There was a thumping response from the cadets for the Blood Donation drive.

L/CPL Meganand Mapsekar attended the BLC course 1 at Belgaum while CPL Rajesh Mulgaonkar and CPL Pankaj Natekar attended the Rock climbing training camp held at Bangalore. L/CPL Godfrey Pinto and L/CPL Karkera Manoj attended the Goa Trek.

The Shield for the best NCC Cadet for the year was given to Cadet under officer Mr. Ajit Barreto of T.Y.B.Com.

**N.C.C. (Girls' Wing)** : The NCC Girls' Wing had completed six years under the able command of 2/Lt. Mrs. Sandra D'Souza. But this academic year 1992-93 saw a change in the girls NCC with the selection of a new officer in charge Miss Ingrid Valles.

This year the girls wing was allotted 10 additional vacancies taking the total strength to 70.

This year CPL Felicia Fernandes was promoted to cadet senior Under officer and CPL

Sonia Bodke was promoted to Cadet under Officer. CPL Irene Dias was promoted to cadet Sergeant Major and CPL Ayres Dias was promoted to Sergeant. The cadets are divided into 4 groups namely Alpha, Bravo, Charlie and Delta.

CSUO Felicia Fernandes and CPL Maria Castelino were selected for the All India Trekking Expedition at Ooty in May'92.

CPL Rashmirekha Arlekar was selected to go for the Rock climbing training camp at Bangalore in August, 1992.

A batch of 17 cadets from the college were selected to attend the first stage of the R.D. camp at Belgaum.

CPL Namita Salkar very successfully represented Goa at the Basic leadership camp in firing at Delhi in Oct, 1992.

In November, 1992, 25 cadets of the Company attended the combined Annual Training Camp held at Fatorda, Margao. The girl cadets bagged the Best College Trophy for their wonderful performance.

They earned the college a good name and letters of commendation were sent by the Commanding Officer Lt. Col. V.R.D. Padte, to the Principal and Officer in Charge.

The cadets went for a cycling expedition to Baga Beach, also for a trek to Tamdi - Surla in the month of August.

During the Liberation Day, 15 of our cadets were selected for the parade at Campal, Panaji, and 25 of the cadets were selected for Liberation Day celebrations held at Hutatma Chowk, Mapusa.

Various competitions were held during the year in which the cadets participated wholeheartedly and won prizes. The cadets visited and entertained inmates of the Home for the Aged at Mapusa in Dec., 1992.

A Blood Donation Drive was held in Mapusa and several of the cadets donated blood. The cadets received training in Drill, First Aid, Home Nursing, Signals, firing, self-defence, Map reading etc.

Besides the usual activities for the first time an NCC fete was jointly organised by the Officer in charge and both boy and girl cadets. This fete turned out to be a grand success.

35 of the cadets were also selected for the Republic Day celebrations held at Panaji, and Mapusa, respectively.

A picnic to Arambol was organised and the cadets enjoyed themselves thoroughly.

Miss Felicia Fernandes was awarded the Best NCC cadet award for the Academic year 1992-93.

**Sports :** 'Bandeekar' has always dominated University Sports. 'Bandeekar is always on winning sides. Hence we are all champions of champions in short span of time).

1. Cross-Country Competition (Men & Women) Both Men and Women Teams won Bronze Medal at the Inter-Collegiate Cross Country Competition of Goa University 1992-93.
2. Weight Lifting/Power Lifting & Body Building. The College team emerged as Runners-up at the competition 1992-93.
3. Kho-kho (Men) Zonal Champions.
4. Kabaddi (Women) : Zonal and Inter-Zonal Champions of Goa University 1992-93.
5. Kho-Kho (Women): Women Team emerged as zonal and Inter-Zonal champion at the Inter-Collegiate Tournament.
6. Kho-Kho (Men) Zonal Champion.
7. Hockey (Men): College Men's team stood out as champion for the fourth year in succession.
8. Hockey (Women) : Won championship at the Inter-Collegiate Hockey Tournament of Goa University.
9. Football (Men) : College Footballers bagged Inter-Collegiate Football championship of Goa University 1992-93.
10. Football (Women) : Emerged as Runner-Up at the Inter-Collegiate Football Championship.
11. Volleyball (Women) : Zonal runners-up.
12. Athletics (Men) : The College athletes bagged team championship (Men) with 63 points to its credit at the Inter-Collegiate Athletic championship.

The Decathlon Trophy bagged by the College Athlete. Balkrishna Misquin, second year in succession.

4 x 400 mts. Relay : Our Boys relay team bagged silver Medal in 4 x 400 mts. Relay.

4 x 100 mts. Relay : Our boys relay team bagged gold medal in 4 x 100 mts. Relay. Members: Sandeep, Philip, Balkrishna and Napoliao.

4 x 100 mts Relay : Our Girls Relay team bagged Silver Medal in 4 x 100 mts. Relay Members : Brenda, Mary, Sunita and Sharon.

4 x 100 mts Relay : Our Girls relay team bagged Silver medal in 4 x 400 mts. Relay. Members; Mary, Sunita, Carmelina and Sharon.

### University Representations

1. Football (Men)
  1. Sabastiao D'Costa
  2. Joaquim Fernandes
  3. Leandro Almeida
  4. Rony D'Silva
  5. Oskar Pereira

Represented Goa University at the All India Inter-University West Zone and Inter-Zonal Football Championship held at Goa and Jabalpur (M.P.). In which Goa University was declared champions. Our student, Sebastiao D'Costa captained the Goa University Team.

2. Football (Women)
  1. Miss Mary Moonjappilly
  2. Miss Shivilila Haldankar
  3. Miss Angela D'Souza
  4. Miss Sharon Lobo

Represented Goa University at the All India Inter-University West-Zone and inter-zonal Football Tournament held at Amravati in which Goa University was declared champions.

### State Representation :

1. Balkrishna K.P. Misquin, played Ranaji Trophy Matches.
2. Rajesh Naik represented Goa State at the Inter-State.
  - a) Subbia Pillai Cricket Trophy
  - b) Gulam Ahmad Cricket Trophy Captain
  - c) Chinnaswamy Cricket Trophy - Captain
  - d) Arlem Invitation Cricket Trophy.
  - e) Ramchandra Rao Cricket Trophy.
3. Paresh Miskin represented Goa State at the Inter-State

- a) Subbia Pillai Cricket Trophy.
  - b) Gulam Ahmad Cricket Trophy - Captain.
4. Praveen Barde, represented Goa State at the Inter - State.
- a) Patta B. Raman Cricket Trophy - Captain
  - b) Gulam Ahmad Cricket Trophy
  - c) Chinnaswamy Cricket Trophy
  - d) Played Vijay Hajare Cricket Trophy as the Member of West Zone Team.
5. Miss Meghana Mahambre :
- a) Member of the West-Zone team.
  - b) Captain of Jr. West-Zone Team.
  - c) Member of the Sr. West-Zone Team to play Polson Trophy at Poona.

**N.S.S. :** NSS activities of the college as usual were conducted with zest and zeal. The enrolment for NSS was 32. various activities were conducted throughout the year under the Regular and Special Camping.

The activities conducted under the Regular Camping were as follows :

- A. Construction Projects : Various construction activities under-taken at different places.
  - 1. At Chikhalim Colvale - Rods were repaired.
  - 2. At Dhargal - Pernem - A road was repaired alongwith the cleaning of the temple area.
  - 3. Construction work was also done at Assagao Bardez.
- B. O.P.D. Project : As usual a batch of ten girls visited regularly the OPD of Asilo hospital rendering the services to the patients and hospital staff.
- C. Home for the Aged : A batch of girls visited the Home for the Aged of Provedoria at Mapusa rendering their services to the old patients.
- D. Adult Education Project : They actively participated in the National Programme of Adult Education. A survey of illiterate was conducted to identify the illiterate learners and motivate them to learn. About 60 adult illeterate learners are being taught by NSS Volunteers under Each-one, Teach one programme.

Two Adult Education Centres : are being run by

our volunteers at Canca - Parra., to make 35 adults literate.

- E. Other activities : Various other activities undertaken were :
  - 1. AIDS awareness activities.
  - 2. Collection of fund for Goa Cancer Socceity.
  - 3. Various training programmes and leadership training to our students.

**SPECIAL CAMPING ACTIVITES :** The Special camp was held at Chikhalim - Colvale during 18th Dec., 1992 to 27th Dec., 1992. The activities undertaken during the special camp were :

- 1. Repairs of Dams : As a follow-up of last year's work, this year too we repaired the other side of the dam at Chikhalim. Approximately 400 mts. dam was repaired while raising its height to arrest the rush of sea water in the agricultural fields.

We are glad to state that the repair of the one side of the dam done last year has proved fruitful, because the farmers could cultivate their lands after the gap of 18 years, taking a bumper crop out of our efforts.

- 2. Various Competitions : For the benefit of villagers various competitions for children and adults were conducted. The prizes were given to the winners.
- 3. A velidictory function was held on 26th Dec., 1992. prizes were given to the Winners of the competitions at the hands of the Guests.

An entertainment programme was presented, which was appreciated by the huge audience. The best boy - NSS Volunteer - award for the year 1992-93 is awarded to Mr. Sagar Lingudkar of T.Y.B.Com. and the best girl - NSS Volunteer - award is awarded to Miss Suvarna Tendulkar of T.Y.B.Com.

**Statistical details regarding the teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	Commerce	B.Com.	3 years			
			Boys	330	335	254
			Girls	241	198	171
			Total	571	533	425

Results of the College percentage-wise.

	Appeared	Passed	Percentage
April, 1992			
Fin. Accts & Auditing	269	63	23%
Business Management	123	40	33%
Cost Accountancy	50	18	36%
October, 1992			
Fin. Accts & Auditing	194	45	23%
Business Management	67	23	34.33%
Cost Accountancy	33	05	15.15%
April, 1993.			
Fin. Accts & Auditing	230	98	42.61%
Business Management	80	27	34%
Cost Accountancy	68	21	31%

**Information about campus development, construction of new buildings, etc.:**

The University Grants Commission's sanction of Rupees eight lakhs to the College for various development schemes like an independent library building, book-bank and equipments, faculty improvement programmes for teachers, remedial courses and material for the students belonging to weaker sections etc. was the significant achievement of the year. This year the college received Rupees one lakh fifty seven thousand as the first instalment which was spent for the earmarked purpose. This is an addition to the already acquired complete set of T.V., Video cassette Player/recorder and educational Video cassettes etc.

**A-9 GOA VIDYAPRASARAK MANDAL'S COLLEGE OF COMMERCE & ECONOMICS PONDA - GOA**

The College was established in January, 1986 to impart instruction in the approved subjects leading to B.Com. degree. The Institution is run by the Goa Vidyaprasarak Mandal. Shri Ashok G. Jumde is the Principal of the College.

**Teaching and Research Staff :**

1. Shri A.G. Jumde, M.Sc. Principal.
2. Mrs. Gulab A. Borkar, M.A. Lecturer.
3. Mrs. Sheila S. Pereira, M.A. Lecturer.

4. Shri Sanjay L. Singbal, B.Com., A.C.A. Lecturer.
5. Shri Chandrakant N. Phadte, M.Sc., M.Phil. Lecturer.
6. Shri Gurudev S. Badiger, M.A. Lecturer.
7. Shri Umesh M. Bhende, M.Com, LL.B. Lecturer.
8. Shri Makarand M. Chikodikar, M.A. Lecturer.
9. Shri Prabhuling G. Dandin, M.Com. Lecturer.
10. Shri Ganesh V. Khandeparkar, B.A., LL.B. Lecturer.
11. Ms. Ana Andrade, M.Sc., M.Phil. Lecturer.
12. Shri Raghupati G. Bhatt, M.A., M.Phil. Lecturer.
13. Shri Suhas B. Desai, B.Com., A.C.A., LL.B. Lecturer.
14. Shri Shridhar P. Bhat, B.Com., A.C.A., LL.B. Lecturer.
15. Shri Pradip N. Maske, B.Sc., M.A. Lecturer.
16. Ms. Meera V. Naik, M.Com. Lecturer.
17. Mrs. Betty D'Silva, B.Com., M.P. Ed. Director of Physical Education.

**Library:**

Total number of text books - 1369;  
Total No. of Reference books - 2578;  
Periodicals - 13, Academic journals - 19.

**Information about the Research Projects Completed by the teachers and seminars/workshops held by the College:**

- a) Shri U.M. Bhende, Ms. Ana Andrade and Shri R.G. Bhatt, Lecturers in our college, have attended orientation Programme from 21st May to 17th June, 1992 at Goa University.
- b) Shri P.G. Dandin, Lecturer in Commerce, attended Refresher Course in Commerce from

19th October 1992 to 7th November, 1992 organised by Goa University at Bambolim.

- c) Shri U.M. Bhende and Shri M.M. Chikodikar, Lecturer in our College participated in the two day workshop on "Evaluation for the Sr. College teachers" organised by Goa University.
- d) Shri M.M. Chikodikar attended "skills training for NSS Personnel on Transfer of Technology for water Conservation" from 13th November to 18th November 1992 at Dapoli organised by Tata Institute of Social Sciences, Bombay.

#### **N.C.C., Sports, Debates, Cultural Activities, NSS, Educational and Extension Works, etc. :**

##### **Sports :**

During the year 1992-93 the College teams have participated in various Inter-Collegiate tournaments organised by Goa University such as Table-Tennis, Badminton, Volley-ball, Football, Kabaddi, Kho-kho, Cross - Country, Cricket, etc. The Kabaddi team secured runner-up place in inter-collegiate tournaments. Shri Prashnat Naik of T.Y.B.Com. class has bagged third place in All Goa Power-lifting competition organised by Goa Power lifting Association.

##### **N.S.S.**

During the year 1992-93 the college had enrolled 217 volunteers under NSS Unit. Under Regular Activities, the Volunteers have done Campus Cleaning Programme, implementation of M.P.F.L. programme, work in I.D. Hospital, etc. workshop on Adult education, to train Secondary School teachers was conducted in the college in collaboration with A.D.E.I. Three of the College teachers and one from P.E.S. College gave guidance and lectures on "Adult Education" to Secondary School teachers. About 60 school teachers from Ponda Taluka attended the workshop. Golden Jubilee of Quit India Movement was celebrated by the NSS Unit. Poster competition on "Communal Harmony" was organised on the same day. The NSS Volunteers were trained this year also by the teachers, who were trained as Master Trainers at the training camp held under M.P.F.L. programme organised by Directorate of State Literacy Mission, to implement Each one Teach One Programme. The volunteers have implemented the programme. Quami Ekta Week was

also celebrated by the NSS Unit. On this occasion an Elocution competition and Traditional Indian Dress Competition were organised. Special NSS camp of the college NSS Unit was held from 12th Oct., to 21st Oct., 1992 at Satode - Keri, Ponda. Camp was attended by 80 volunteers. They did the work of levelling and repairing of road near Shri. Sateri Temple of about 200 mts., cleaning of premises of Panchayat, Betal temple and Primary school. Apart from field work the campers took active part in lectures and discussion sessions. The NSS volunteers also participated in Vivekanand Parikrama Programme. Two of the volunteers attended Leadership training programme for NSS Volunteers organised by Goa University. 4 NSS Volunteers participated in VYOMANI Shibirs at Bombay and Bangalore organised by Vivekanand Kendras.

##### **Cultural Activities:**

1. As a part of celebration of "World Brotherhood Day" a poster competition was organised on 18th Sept., 1992.
2. All Goa Inter-Collegiate Elocution Competition for late Shri Tukaram Ramchandra Prabhu Memorial Trophy was organised on 22nd Sept., 1992.
3. A singing competition in Konkani, Marathi, English and Hindi was held on 26th Sept., 1992.
4. Poet's Meet in Konkani and Marathi was organised on 27th Nov., 1992, in the presence of Shri Sudesh Lotlikar, a poet & a writer.
5. Rangoli and flower arrangement competitions were organised for the students on 11th Dec., 1992.

##### **ACHIEVEMENTS:**

1. Shri Arjun Naik of F.Y.B.Com, won the first prize in Rangoli competition organised by Ponda Junior Chamber as a part of Jaycee week celebration.
2. Shri Ratish Pawar of S.Y.B.Com. won second prize for Poster competition on AIDS organised by Jaycees' Club, Ponda.
3. Shri Ganadhish Prabhudessai secured third prize in Konkani Poetry Reading Competition organised by Damodar College, Margao. He also won the first prize in Konkani Poetry Reading Competition organised by Govt. College, Khandola, 1st Prize in Konkani Poetry Reading

Competition organised by C.E.S. College, Cuncolim.

4. Following students secured prizes in competitions for Jubilations '92 organised by Govt. College, Khandola.
  - a) Ms. Veronica Fernandes & Party - 1st prize in Arty Eats.
  - b) Shri Yeshwant Gauns - 1st Prize in Colour Clash.
5. Following students secured prizes in various competitions for 'UTSAV' 92 organised by Govt. College, Sanquelim.
  - a) Shri Sagar Haldankar and Ms. Suchita Bakhale - 2nd prize in Sare Gama.
  - b) Shri Savio Pereira, Edwin Dias, Uday Naik, Menino Fernandes and Edwin David secured 3rd prize in 'MUBANDH KAAM CHALU' competition.
  - c) Shri Rätish Pawar - 2nd prize in 'CHITRAKAR'.
  - d) Ms. Melse Fernandes and Ms. Vidya Naik secured 1st prize in 'pretty petals' competition.
  - e) Shri Arjun Naik and Shri Umesh Kerkar won 1st prize in 'Heavenly Colours' Competition.
  - f) Ms. Smitha Sarjyotishi, Shri Sameer Kapdi and Shri Nishad Bakhale secured 2nd prize in 'Spell-o-fun'.
6. Shri Yeshwant Gauns of the college participated in west zone Inter-University Youth festival held at Bhavanagar University, Gujarat, on behalf of Goa University.

#### **Educational & Extension Work :**

1. The Commerce Association of the College has successfully conducted the various activities by inviting experts to deliver talks on different fields.
  - a) Mr. A. M. Karnik, Labour Consultant, Panaji, delivered a talk on "Labour and Implications on the small scale industries".
  - b) Mr. Pranabkumar Mukherjee, Mines Manager, Chowgule Group of Companies, Pale, Spoke on "Future of Mining in Goa".
  - c) Mr. Dipak Kudalkar, Personnel Executive, MERCK India Let., Usgao, delivered a talk on "Interview Techniques".

2. The College students' Council was inaugurated by Shri M.S. Kamat, Principal, M.E.S. College Vasco.

Under the programme 'Editor Month',

1. Shri Raju Nayak, Editor of 'Sunaparant' gave a talk on the issues connected with Journalism.
2. Adv. Uday Bhembre, a Journalist & Writer, delivered a talk on "Language Disputes in Goa".
3. A lecture on "Commercial Aspects of a Newspaper" was delivered by Shri Ajay Ambekar, Sr. Asstt. Director, Maharashtra Parichaya Kendra & Former Editor of 'Lokmat'.
4. A lecture & discussion session was arranged in the presence of Shri Vishnu Wagh, Editor, Aapale Vartaman.

Students' Council for the first time, successfully organised an Educational Tour to South India.

Fun Week was organised with enthusiasm by Students' Council. Bazaar Day and Social Gathering, both annual activities, were organised in December, 1992.

3. "Literary Association" was inaugurated by Shri Arun Heblekar, Principal of PES College, Farmagudi, on 7th December, 1992. A Renowned Marathi writer Shri V.A. Buva was present for the 'Story Telling' programme organised by this College in collaboration with Maharashtra Parichaya Kendra on 18th January, 1993.

#### **Statistical details regarding the teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students In 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	Commerce	B.Com.	3 years	1st yr.	2nd yr.	3rd yr.
			Boys	196	143	101
			Girls	126	100	067

Results of the College percentage-wise.

April, 1992	....	58.04 %
October, 1992	....	35.16 %
April, 1993	....	61.93 %



**A-10. PONDA EDUCATION SOCIETY'S COLLEGE OF ARTS & SCIENCE, PONDA - GOA.**

Established in June, 1986, the college is run by the Ponda Education Society. The College imparts instruction in the approved subjects leading to B.A. & B.Sc. degrees. Dr. A.K. Heblekar who is also a lecturer in Physics is the Principal of the College.

**Teaching and Research Staff :**

1. Dr. A.K. Heblekar, M.Sc.; Ph.D.  
Principal.
2. Dr. A.S. Dinge, M.Sc.; Ph.D.  
Vice-Principal
3. Mr. B.V. Apte, M.A.; D.H.E.  
Lecturer
4. Mr. A.V. Bhandiwad, M.A.  
Lecturer
5. Mr. M.V. Dixit, M.Sc.; D.H.E.  
Lecturer
6. Ms. K.N. Desai, M.Sc.,  
Lecturer.
7. Dr. A.V. Deshpande, M.Sc.; Ph.D.  
Lecturer
8. Mr. S.D. Gokakkar, M.Sc.  
Lecturer.
9. Dr. P.R. Hede, M.A.; B.Ed., Ph.D.  
Lecturer
10. Mr. S.S. Hinde, M.Sc.  
Lecturer
11. Ms. S.V. Kamat, M.Sc.  
Lecturer
12. Ms. V.V. Kamat, M.A.  
Lecturer
13. Mr. G.V.S. Kundaikar, M.Sc; M.Phil.  
Lecturer
14. Mr. M.N. Kulkarni, M.Sc.  
Lecturer
15. Mr. S.H.P. Keluskar, M.Sc.; M.Phil.  
Lecturer.
16. Dr. (Ms.) K.R. Kunkolienkar, M.A;Ph.D.  
Lecturer
17. Mr. B.L. Malik, M.Sc.  
Lecturer
18. Ms. Susan Marcos, M.Sc.  
Lecturer
19. Ms. V.V. Prabhudesai, M.A; M.Phil.  
Lecturer
20. Ms. S. Ramaswamy, M.A.  
Lecturer.
21. Mr. R.G. Shetker, M.Sc.; B.Ed.  
Lecturer
22. Ms. V.S. Samant, M.A.  
Lecturer
23. Mr. V.D. Vaze, M.Sc.  
Lecturer
24. Dr. P. Bhattacharya, M.Sc; Ph.D.  
Lecturer
25. Dr. S.H. Bhosale, M.Sc.; Ph.D.  
Lecturer
26. Ms. S.R. Borker, M.Sc.  
Lecturer
27. Shri J.G.R. Monteiro, M.A.  
Lecturer
28. Ms. M.V. Rane, M.Sc.  
Lecturer
29. Mr. B.V. Bhave, M.A.  
Lecturer
30. Ms. A.M. Rao, M.A.  
Lecturer
31. Mr. Badruddin, M.A.; M.Phil.  
Lecturer
32. Mr. G.P.P. Khanolkar, M.Sc.  
Lecturer
33. Ms. C.F.E. Fernandes, M.Sc.  
Lecturer
34. Mr. V.J. Pissurlekar, M.Sc.  
Lecturer
35. Ms. M.M. Kelkar Barve, M.Sc.  
Lecturer
36. Ms. Flavia M. Noronha, M.A.  
Lecturer
37. Mr. B.G. Kanolkar, M.A; B.Ed.  
Lecturer
38. Ms. S.G. Kavlekar, M.Sc.  
Lecturer
39. Mr. D.M. Desai, M.A.;M.P.Ed.  
Physical Education Director.

40. Mr. R.R. Mardolkar, M.A.  
Lecturer
41. Ms. M.F. Albuquerque, M.Sc.  
Lecturer.
42. Ms. N.G. Kamat, M.A.  
Lecturer

**Library :**

1. Total number of books ..... 5161
2. Total number of text books ..... 1584
3. Total number of reference books ..... 1941
4. Total number of general books ..... 1636
5. Total number of periodicals ..... 13
6. Total number of academic journals .....32

**Information about the Seminars/Workshops attended by the teachers and their academic achievements:**

A one day Seminar on Parent - Teachers Association was held on 18th April, 1993. This Seminar was organised by P.E.S. College of Arts & Science, Farmagudi, as a annual activity.

This Seminar was inaugurated by Hon'ble Vice-Chancellor of Goa University Dr. P.R. Dubhashi, Shri Dubhashi in his inaugural speech emphasized the need of the Parent - Teacher Association and appreciated the efforts of P.E.S. College.

The Seminar was held in three sessions.

**Session I :** Topic of this session was 'Expectations from Graduates'. This session was chaired by Dr. A.S. Dinge, Vice - Principal.

Miss Renuka Dharmadhikari, Miss Anupa Desai, Mr. Harish Korde and Mr. Bhikaji Majik, spoke on behalf of the students. They requested to improve the Library and Laboratory facilities in the Colleges. They also demanded the clear-cut definition of the term 'Vocationalisation' of education.

Prof. Ms. Caroline Fernandes, Mr. Vishwa Prabhu Gaonkar and Prof. Baddrudin presented their papers on the topic 'Expectations from Graduates'. Prof. Ms. Caroline Fernandes suggested that the students should be supportive through observance of discipline, conduct by sense of maturity and active participation.

Mrs. Revathi Ramachandran, a parent also spoke on the occasion.

**Session II :** The topic of the second session was 'Parent - Teacher - Association. This session was chaired by Dr. (Mrs.) Bharati Kunkolienkar.

Shri Ramesh Sapre, Principal, Mustifund High School, Panaji and Stephen Mathunny, Principal, A.J. de Almeida High School, Ponda were the speaker.

Shri Sapre presented his paper on the topic 'Role of Parents in Parent Teacher Association'. In his hour long speech he remembered his experiences in this field and expressed his views. He also presented a model of the P.T.A.

Shri Stephen Mathunny emphasized the need of constant Raport between parents and Teachers.

The Third Session was held under the Chairmanship of Dr. A.K. Heblekar, Principal.

Dr. Jagdish Surlekar, Principal, Peoples high School, Panaji sent his paper on the topic 'Working Model of Parent Teacher Association. Dr. A. K. Heblekar addressed the audience in the concluding session. He appealed to the teachers commuity to work hard to make the P.T.A. successful.

The Seminar was attended by nearly 60 teachers, Parents and Students Representatives from P.E.S. College.

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

**Sports:**

Under the table and enthusiastic guidance of Prof. D.M. Desai Director of Physical Education and Prof. G.V. Kundaiker, Chairman of Department of Physical Education other members of the Committee started its activities in the first week of July, 1992.

To select various teams participating a various Inter-Collegiate tournaments like Table Tennis, Badminton, Chess, Judo, Football, Kabaddi, Kho-Kho, Volleyball, Cricket, Swimming, Atheletics and get valuable experience and enriched their skills and talents.

**ACHIEVEMENTS IN INTER-COLLEGIATE:**

1. Judo (Men) lift up the Inter - Collegiate Championship continuously for the last four years organised by Goa University.

2. Our Kho-Kho (Men) team won runners up title in Inter-Collegiate Championship organised by Goa University.

#### INDIVIDUAL ACHIEVEMENTS:

1. Mr. Naik Sagar, F.Y.B.A. Roll No. 299 selected to represent Goa at the National Championship in Kho-Kho at Bangalore (Karnataka).
2. Mr. Gaude Ramdas B., S.Y.B.A., selected for Goa State Kabaddi team to participate in National Tournaments.
3. Mr. Virendra Kenkre from S.Y.B.A., Roll No. 1083, won Gold medal in Judo Inter-Collegiate Championship organised by Goa University.
4. Mr. Clement Jerome Gilfred from S.Y.B.A., Roll No. 1136, won Gold Medal in Judo Inter-Collegiate Championship organised by Goa University.
5. Mr. Gramopadhye Sanjay V. from F.Y.B.A., Roll No. 231, won Gold Medal in Judo Inter-Collegiate Championship organised by Goa University.
6. Mr. Naik Nityanand D. from S.Y.B.A., Roll No. 1084, won Silver Medal in Judo Inter-Collegiate Championship organised by Goa University.
7. Mr. Umarye Jayant D. from S.Y.B.Sc. Roll No. 2647, won Silver Medal in Judo Inter-Collegiate Championship organised by Goa University.
8. Miss Prashanti Tilve from S.Y.B.A., Roll No. 1018, won silver and Bronze medal in Long Jump and short put at Inter-Collegiate Athletic Championship organised by Goa University.
9. Mr. Prabhu Pradeep C. From S.Y. B.A., Roll No. 1071, won Silver medal at Inter-Collegiate Athletic Championship organised by Goa University.

The VIIIth Annual College Athletic meet was organised on 26th January, 1993 on our College ground successfully.

#### Cultural Activities :

- A. The cultural activities conducted by the College for the year 1992-93 were as follows:—

Activity ..... Date

1. Rangoli Competition ..... 14.08.1992
2. Flower arrangement Competition .. 15.08.1992
3. Painting competitions ..... 15.08.1992
4. Patriotic Singing Competition (solo)14.08.1992
5. Marathi Singing Competition(Group)14.08.1992
6. Patriotic Singing (Hindi) ..... 14.08.1992  
Group Competition
7. Singing competition (Konkani) ..... 14.08.1992
8. Singing competition (Marathi) ..... 14.08.1992
9. Singing competition (Hindi) ..... — do —
- 10.Hindi Poetry competition ..... — do —
- 11.English Poetry competition ..... — do —
- 12.Marathi Poetry competition ..... — do —
- 13.Konkani Poetry competition ..... — do —
- 14.College Social gathering 1992-93 ..... — do —

- B. Our students participated in the various cultural activities and other activities conducted by the other institutions in the year 1992-93.

1. All Goa Konkani Poetry Competition - Third Prize Organised by Damodar College, Margao
2. All Goa Inter-College & Higher Secondary Konkani Poetry Competition 1993. Organised by Gomantak Kala Association, Margao, Goa on 26.01.1993 Mr. Harsh H. Borkar - T.Y.B.Sc. - Third Prize.
3. Essay Competition - First Prize. Organised by Vivekanand Bharat Parikrama.
4. Essay Competition - Second Prize Organised by Goa University.
5. Essay Competition - First Prize organised by Mangirish Youth Club Miss Renuka Dharmadhikari - S.Y.B.A.
6. Marathi Elocution Competition - Third Prize Organised by Gomantak Vidhya Niketan, Margao. Mr. Pradeep Dessai - F.Y.B.A.
7. All Goa Marathi Poetry Competition - First Prize - Organised by Damodar College, Margao.
8. Marathi Poetry Competition - First Prize organised by C.E.S. College, Cuncolim.

9. Marathi Poetry Competition - First Prize Organised by 'Rasik Ranjan' Vasco.
10. Marathi Poetry competition - Consolation Prize - Organised by 'College Vishwa' - Tarun Bharat.
11. Konkani Poetry Competition - Second Prize Organised by 'Rasik Ranjan', Vasco.
12. Konkani Poetry Competition - Consolation Prize - Organised by 'Udenteche Vangadi', Dicholi Mr. Rajay R. Pawar -S.Y.B.A.
13. Konkani Poetry Competition - Consolation Prize - Organised by 'Apurbai Prakashan', Volvoi.
14. Konkani Poetry Competition - Third Prize Organised by 'Udenteche Vangadi', Dicholi - Ivy Mascarenhas - S.Y.B.A.
15. Marathi Poetry Competition - First Prize. Organised by 'College Vishwa', Tarun Bharat Miss Pratibha Naik - T.Y.B.A.
16. Hindi Essay Competition - First Prize Organised by 'Prayas' Miss Kuldeep Kumar - F.Y.B.A.
17. Marathi Poetry Competition - Third Prize organised by Government College, Khandola Miss Ratan K. Chodankar - F.Y.B.A.
18. Marathi One Act Play Competition - 1992-93 - Third Prize. Organised by Kala Academy, Panaji Mr. Avinash Modak & Group.
19. Marathi One Act Play Competition - 1992-93 Organised by Kala Academy, Panaji ('R' for Ragging) Mr. Avinash Modak - Certificate for Acting (T.Y.B.A.)

#### N.S.S.

This year 174 students joined National Service Scheme. Adult Literacy was the major project undertaken during the year 1992-93. It was prepared to extend full cooperation to Govt. of Goa's resolve to achieve 100% literacy by the end of the May, 1993. Under Each One Teach One component of the Literacy programme 54 volunteers are imparting literacy to 92 adult in various villages of Ponda Taluka. Our N.S.S. unit had the distinction of starting two adults education centres at Kurti and Marcaim with 18 & 16 illiterates respectively.

Our N.S.S. students rendered valuable assistance during Vivekanand Parikrama's stay in Goa in the month of October. They collected a fund of Rs.2500/- for the Parikrama and provided organisational assistance for the same.

Bharat Jan Gyan Vigyan Jatha -92 was organised by our college in eleven villages of Ponda Taluka. Through this unique programme our students created awareness among villages about science, environment, health and literacy.

The other regular N.S.S. activities conducted were coaching to SC/ST and poor students, service to orphans, work in slums, Shramadaan and AIDS awareness, The annual blood donation camp was held on 19th January, 1993. 40 students donated blood.

#### N.S.S. SPECIAL CAMP:

The annual special camping programme of our N.S.S. unit was organised at Marcaim, Ponda from 23rd December, 1992 to 1st January, 1993. There were 77 participants in this camp. It was inaugurated by the village Sarpanch Mr. Bholu Naik in the presence of the local panch Mr. Raghu Naik, Prin. Heblekar and college teachers. Under the Shramadaan project our volunteers repaired a road at Karanzalem waddo. Two enlightening lectures were delivered by Shri K.D. Sadhale (President Nirmal Vishwa) and Prof. Bhushan Bhave on water conservation & Swadeshi movement respectively. Group discussions were held on AIDS awareness, Relevance of N.S.S. and various N.S.S. projects undertaken by the students.

The most important project of the camp was the organisation of Bharat Jan Gyan Vigyan Jatha at Adanwada, Wadaliwada and Axonwada areas of Marcaim village. The programme made a tremendous impact on the villagers. A grand cultural programme was organised for the villagers on 31st December, 1992. The local people also participated.

The villagers extended full cooperation for the camp.

#### Statistical details regarding the teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students		
				1st yr.	2nd yr.	3rd yr.
1.	Arts	B.A.	3 years			
			Boys	81	100	42
			Girls	90	72	59
			Total	171	172	444

2.	Science	B.Sc.	3 yrs.			
			Boys	79	55	28
			Girls	56	50	33
			Total	135	105	61

### Results of the College:

**April, 1992**

**T.Y.B.A. : College Result : 50.81%**

Politics (6 units)	84.61%
Politics (3 units)	58.13%
Economics (3 units)	43.75%
Philosophy (3 units)	62.50%
Psychology (3 units)	10.52%
Konkani (3) units)	81.25%
Hindi (3 units)	90.32%
Marathi (3 units)	93.33%
History (3 units)	68.57%

**April, 1992**

**T.Y.B.Sc. : College Result : 71.21%**

Botany (6 units)	80.00%
Chemistry (6 units)	72.40%
Chemistry (3 units)	100.00%
Physics (6 units)	77.77%
Physics (3 units)	80.00%
Maths (3 units)	16.66%
Zoology (3 units)	100.00%
Microbiology (3 units)	100.00%
Zoology (3 units)	62.50%

**October, 1992**

**T.Y.B.A. : College Result - 37.83%**

Economics (3 units)	18.18%
History (3 units)	50.00%
Psychology (3 units)	00.00%

Hindi (3 units)	33.33%
Politics (3 units)	100.00%
Philosophy (3 units)	42.85%
Marathi (3 units)	100.00%
Konkani (3 units)	100.00%

**T.Y.B.Sc. College Result : 41.66%**

Chemistry (6 units)	25%
Physics (3 units)	100.00%
Zoology (6 units)	66.66%
Physics (6 units)	50.00%
Maths (3 units)	33.33%

**April, 1993**

**T.Y.B.A. : College Result : 58.47%**

Economics (3 units)	59.09%
Politics (6 units)	93.75%
Philosophy (3 units)	52.38%
Marathi (3 units)	38.88%
Hindi (3 units)	78.57%
Politics (3 units)	83.33%
History (3 units)	78.57%
Psychology (3 units)	33.33%
Marathi (6 units)	60.00%
Konkani (3 units)	92.85%

**T.Y.B.Sc. — College Results : 73.91%**

Physics (3 units)	100.00%
Physics (6 units)	62.50%
Chemistry (6 units)	71.05%
Zoology (6 units)	85.71%
Maths (3 units)	50.00%
Chemistry (3 units)	90.90%
Botany (6 units)	66.66%
Microbiology (3 units)	90.90%

### Information about campus development :

During the academic year 1992-93: our college has started imparting education in additional subject viz. Marathi (6 units) at /T.Y.B.A. level.

## A-11 NAVAL ACADEMY I.N.S. MANDOVI, VEREM - GOA

The Naval Academy is a Defence Service Establishment administered by the Naval Headquarters, New Delhi. The Academy started imparting training to the (10+2) 'X' cadets for B.Sc. (Special Degree Course commencing from August, 1987. The Goa University has now granted permanent affiliation to the Naval Academy with effect from the academic year 1993-94.

the Naval Academy has exclusive buildings for conducting training classes and for accommodating cadets as well teaching staff. The academic wing has a total of 16 classrooms. It houses the staff rooms, the laboratories for physics, Examination Cell, Draughtsman room and a drawing bay.

### Teaching and Research Staff:

1. Cdr. L. Rdhakrishnan, M.Sc. (Maths)  
Principal M.Sc. (Defence Studies)
2. Lt. Cdr. K.B. Mehta, M.Sc. (Physics)  
Vice Principal/  
Controller of Examinations.
3. Lt. K.S. Venugopal, M.Sc. (Applied Maths)  
Registrar.
4. Lt. G. Ojha, M.Sc. (Chemistry)  
Head of the Chemistry Faculty.
5. Lt. H.N. Satish, M.Sc. (Physics)  
Head of the Met & Oceanography Faculty.
6. Lt. G. Varughese, M.Sc. (Physics)  
Member of the Physics Faculty.
7. Lt. G. Varughese, M.Sc. (Physics)  
Member of the Physics Faculty.
8. Lt. R. Giridharan, M.Tech (Atmospheric  
Member of Science & Technology)  
the Physics Faculty
9. Lt. V.S. Kumar, M.Sc. (Operation Research)  
Head of the Maths Faculty
10. Lt. K.M. Ajay, M.Sc. (Maths)  
Member of the Maths Faculty
11. Lt. Rajvir Singh, M.Sc. (Maths)  
Member of the Maths Faculty
12. Lt. Simon Xavier, M.Sc. (Maths)  
Member of the Maths Faculty.
13. S. Lt. Ben H. Berson, B.E. (Mech.)  
Member of the Physics Faculty
14. S.Lt. P. Goel, M.Sc. (Physics)  
Member of the Physics Faculty.
15. Shri K.F. Joy, B.Sc; B.Ed.  
Demonstrator in Physics Laboratory.

### Library:

A Well stocked library is available for use by the cadets. Each cadet is issued with a set of standard text books for study.

Adquate number of reference books, periodicals and journals of academic and general interest are available in the Library. The Total number of books and periodicals are as follows:—

Text books	6866
Reference books	4539
Periodicals	33
Academic Journals	536

### N.C.C., Sports, Debates, Cultural Activities,

### N.S.S., Educational and Extension Works, etc.:

#### Sports :

A Gymnasium has been set up inside the Academy campus.

The Naval Academy participated in the Inter-Collegiate Football, Cross Country, Basketball and Aquatics Championships conducted by the University for the year 1992-93.

The Academy has following sports facilities for the training of cadets:—

- (a) Football ground ..... Two
- (b) Hockey ground ..... One
- (c) Basketball courts ..... Three
- (d) Volleyball ground ..... Three
- (e) Swimming Pool ..... One
- (f) Badminton Court ..... One
- (g) Squash Court ..... One
- (h) Tennis Court ..... One
- (j) Cricket (Net Practice only) ..... One
- (k) Boat Pool with a number of boats for training in water sports.

**Reprographic Cell :** The Reprographic Cell has xeroxing, cyclostyling, spiral binding and electronic stencil cutting facilities. These facilities are extensively used for preparing instructional support materials, question papers and issuing of weekly training programmes.

**Training Design and Evaluation Cell:** The Training Design and Evaluation Cell monitors the progress of classroom instructions, syllabus, Teaching schemes, Lessons plans and question banks for each subject are made available to assist the instructors in executing their tasks effectively. Training aids such as Overhead Projectors, Slide projectors and Audio Visual Aids are utilised to assist the trainees in quick learning.

**Training Evaluation and Monitoring Cell (TEAM):**

In order to have an internal feedback system, a Training Evaluation and Monitoring Cell (TEAM) has been set up. Data collection, evaluation (Processing) and decision making on the basis of the processed data are the key functions of the internal feedback system.

**University Cell :** The University Cell liaises with Goa University in conducting the B.Sc. (Special) Degree course.

**Examination Cell :** The Examination Cell located in the academic wing plans, programmes and conducts mid-semester examinations and final semester examinations. It also maintains records of results.

**Computer Centre :** The academy Computer Centre is located in the Administrative Block. 14 PCs are available for training.

**Laboratories :** Electronics, Electrical, Optics and Head and General Physics Laboratories are located in the academic wing.

**Meteorological Observatory:** A Surface Meteorological Observatory has been set up to impart practical training in meteorology for third semester cadets.

**Teaching Courses and Students:**

The Academy conducts 3 years B.Sc. (Special) Degree Course for the 10+2 (X) cadets of the Indian Navy. The details of cadets admitted for this course as on 31st May, 1993 are as follows:—

S.No.	Semester .....	No. of cadets
1.	Sixth (46 NAC) .....	34
2.	Fifth (47 NAC) .....	29
3.	Fourth (48 NAC) .....	40
4.	Third (49 NAC) .....	29
5.	Second (50 NAC) .....	24
6.	First (51 NAC) .....	23

**Results of the Academy**

Results of the examinations conducted during the academic year 1991-92 are as follows:

Month	Passing our term	No. of students appeared	No. of Students passed	Percentage of pass
May 92	44 NAC	33	33	100%
Nov. 92	45 NAC	23	23	100%
May 93	46 NAC	35	35	100%

**Information about campus development, construction of new buildings, opening of new subjects, course programmes:**

**Office for Teaching and Non-Teaching :**

Offices for teaching and non-teaching staff are located in the Academic Wing and Administrative Block respectively.

**Lecture-cum-Assembly Hall :** A centrally air-conditioned 456 seat Lecture - cum - Assembly Hall is available for the training purpose. Regular guest lectures by eminent speakers from various walks of life are organised in this hall. Facility also exists for screening of training / instructional films in this hall. Quiz, Debate, Elocution, dramatic competitions and cultural programmes are organised in this hall.

**A-12 CUNCOLIM EDUCATION SOCIETY'S COLLEGE OF ARTS & COMMERCE, CUNCOLIM - GOA.**

The College is run by the Cuncolim Education Society. It was established in August, 1987. Shri Dinkar L. Naik is the Principal of the College. The College, however does not provide any hostel facility.

**Teaching and Research Staff:**

1. Shri Dinkar L. Naik, M.A.  
Principal.
2. Shri Laximan G. Naik, M.Com.  
Lecturer
3. Smt. Flavia Dias e Colaco, M.A.  
Lecturer
4. Smt. Savita S. Nadkarni, M.Com.  
Lecturer
5. Smt. Sarala V. Katageri, M.A.  
Lecturer.
6. Smt. Apoorva A. Marathe, M.A.  
Lecturer
7. Shri Augusto J. Pinto, M.A., B.Ed.  
Lecturer.
8. Shri Avinash V. Raikar, M.A.  
Lecturer
9. Shri Anand S. Dessai, M.Sc.  
Lecturer.
10. Ms. Teja N. Usgaonkar, M.A.  
Lecturer.

11. Smt. Tolentina Xavier, B.Sc., LL.B.  
Lecturer.
12. Shri Pravin P. N. Gaonkar, M.Com.  
Lecturer
13. Shri Sandeep Patil, M.A.  
Lecturer
14. Ms. Chatura R. Shirwaiker, M.A.  
Lecturer
15. Shri Remy Dias, M.A.  
Lecturer.
16. Shri Argemiro Rodrigues, M.Com.  
Lecturer.
17. Shri Prakash R. Morakar, M.A.  
Lecturer.
18. Ms. Sunetra P. Narvekar, M.A.  
Lecturer
19. Shri Mohammad Mushahidullah Khan,  
Lecturer M.A., M.Phil.
20. Ms. Anupa A. Naik, M.A.  
Lecturer.
21. Ms. Maria Fatima Monteiro, M.A.  
Lecturer
22. Shri Nelson Rebello, M.A.  
Lecturer
23. Shri Ramlal S. Vernekar, M.P.Ed.  
Director of Physical Education
24. Shri Gaus Khan Usman Khan, B.A, B.Lib.Sc.,  
Librarian M.Lib.I.Sc.

**Library :** Total No. of text books - 1109;

Reference Books -	799;
Maps and Atlases -	25;
Academic Journals -	60;
Periodicals -	22;

**Information about the Research projects completed by the teachers, and seminars/Workshop held by the college:**

**Following teachers are engaged in doing M.Phil.**

1. Shri Augusto J. Pinto and Shri Laximan G. Naik have completed their M.Phil. Part I and are engaged in writing the dissertation part of the same.
2. Shri Morakar Prakash R. has completed M.Phil.
3. Smt. Savita S. Nadkarni has registered for M.Phil.

The College staff and students held workshops on (1) Economic Liberalisation (2) Stock Market SCAM (3) State of the Nation.

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

The students' Council, the college Gymkhana and the College NSS Unit which together conduct most of the college Extra - Curricular activities were inaugurated by Shri Francisco Sardinha, Hon'ble Minister for Agriculture.

**Cultural Activities :** The students' Council chaired by Prof. (Smt.) Flavia E. Colaco conducted the following competitions: Elocution competition, Essay competition, English, Hindi, Konkani and Marathi Singing Competitions, Inter-class Quiz Competitions and Wall paper competitions. The Council also conducted the 3rd Annual Inter-College Kavi Sammelan in English, Hindi, Konkani and Marathi languages in which 12 colleges participated.

At the Kala Academy One Act Play competition Rufa Gonsalves and Ilston Afonso won prizes. Prizes were also bagged by Savita Cardozo at Goa University's History Department's Essay Competition, Dulcina Vaz at Margao Vivekananda Kendra's Elocution Competition and Kennedy Rebello at the Poet's Meet of Govt. College, Khandola. Apart from this, the College team consisting of shefali Vaidya, Daulatrao Rane Sardessai, and Rupa Falgaonkar won the second prize in the Qiz Competition organised by Shree Damodar College, Margao.

This year's outstanding performer in Extra-Curricular Activities was shefali Vaidya. She won the first prize in the elocution competition organised by Sarvajanic Ganeshotsav Mandal, Margao and Special Prizes in Competition arranged by the Vivekananda Kendra, Goa, and Anti-Dowry Movement, Bombay. She represented Goa University in the National Debating Competition and also in the Inter-University Youth Festival. Among the most prominent Visitors who were invited to talk to the Faculty and students on topics of current interest were the noted Freedom Fighter Shri Prabhakar Vaidya on the Freedom Movement of Goa, Dr. Savio Rodrigues and Dr. Anil Pai Rakikar on AIDS and Mr. Tony Correia Afonso on 'SWAMI VIVEKANANDA'.



**N.S.S. :** The NSS activities were inaugurated with the Vanamahotsav celebration. Seedlings obtained from the Govt. Agriculture Department were distributed to all. A workshop organised over a period of 5 weeks was conducted by the workers of the Association of Social Health of India to educate them on the dangers of Drug and Alcohol addiction. Volunteers were trained in methods of identifying and Rehabilitating such addicts.

The NSs Unit organised a function to welcome the Vivekanand Bharat Parikramah on the campus. They collected a sum of Rs.2000/- for the Parikramah. Talks were also held on the Philosophy of Swami Vivekanand.

The NSS volunteers undertook Cleanliness Campaign in Cuncolim Municipal Area. A talk was delivered by Dr. Jorson Fernandes to the volunteers to create Awareness about Blood Donation. A debate was organised by the unit to alert students to the dangers of Tobacco consumption. Many of the Volunteers undertook voluntary service to hospitals, Rural Health Centres, Primary Schools and Old Age Homes in Cuncolim, Balli and Canacona and other areas.

The Unit very actively participated in the Mass Programme for functional literacy. Adult Literacy classes started the previous year at Tamnem and Loliem in Canacona Taluka were continued and the progress observed there was very satisfactory.

Annual NSS Special Camp was held at Naquerim Betul. During the camp, NSS volunteers improved the Village Road by clearing the encroaching Shrubbery, Levelling the ground and cleaning the Road-side drains.

**Sports:** Department of Physical Education and Sports prepared students for participation in the various sports activities organised by Goa University.

College teams participated in Badminton, Football, weight Lifting, Body Building and Power lifting competitions and Volley-Ball, Kho-Kho and Cricket tournaments organised by Goa University.

In Weight Lifting, Body Building and Best Physique Competition, Shri Samit Shirodkar won the Bronze Medal in the Best Physique Group.

In Volleyball, the College team qualified for the Inter-Zonal Competition. The College women Kho-Kho team put up a good show. They were runners-up in All Goa Inter-Collegiate Kho-Kho Championship organised by Goa University. Miss Roshan Naik participated in 29th Kho-Kho National Championship held at Bangalore.

#### Statistical details regarding teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93	
				Boys	Girls
1.	Arts	B.A.	3 years 1st yr.	23	53
			2nd yr.	41	57
			Thtrd yr.	17	39
2.	Commerce	B.Com.	3 years 1st Yr.	88	45
			2nd Yr.	75	42
			3rd Yr.	36	21

#### Results of the College percentage-wise:

	April'92	Oct.'92	April'93
<b>T.Y.B.A.</b>			
Economics	46.15%	22.22%	50%
Sociology	87.83%	71.42%	46.15%
Hindi	82.60%	42.85%	100%
History	91.30%	83.33%	43.47%
Political Science	94.20%	100%	63.63%
<b>T.Y.B.Com.</b>			
Com.& Mktg. (Ind. Org. & Mngt.)	18.18%	22%	41.53%
Paper I	39.77%	28.57%	30.30%
Paper II	35.22%	100.00%	72.72%
Paper III	36.36%	40.54%	43.93%
Sociology	63.63%	58.82%	68.18%
Export Management	68.18%	63.63%	76.92%

#### Information about campus development, construction of new buildings, opening of new subjects, course programme:

Library building is under construction; A few classrooms are also under construction and the subject GEOGRAPHY was introduced at A.Y.B.A.

**A-13 GOVT. COLLEGE OF ARTS, SCIENCE & COMMERCE, SANQUELIM - GOA.**

This is a first Government College, which was established in June, 1988 to impart instruction in the approved subjects leading to B.A., B.Sc. and B.Com. degrees. The institution is run by the Government of Goa in the Government owned building. Dr. B.A. Gomes, who is also a lecturer in Economics is the principal of the College. The College however does not provide hostel facilities as there is no demand for it.

**Teaching and Research Staff:**

1. Dr. B.A. Gomes, M.A., LL.B., D.H.E., Ph.D.  
Principal.
2. Mr. P.N. Thomas, M.Sc., B.Ed.  
Lecturer.
3. Mr. J.P.P. Pacheco, M.Sc., B.Ed., D.H.E.  
Vice-Principal & Lecturer in Chemistry  
(Physical)
4. Mr. D.G. Bandiwadkar, M.Sc.  
Lecturer
5. Ms. Lucy James, M.A.  
Lecturer.
6. Mr. N.B. Bhat, M.Sc.  
Lecturer.
7. Mr. K.R. Badiger, M.A., M.Phil.  
Lecturer Dip in Gandhian Studies.
8. Mr. D.B. Arolkar, M.Sc.  
Lecturer.
9. Mr. C. Rao, M.Com.  
Lecturer.
10. Mr. K.K. Bable, M.P.Ed.  
Physical Education Director.
11. Mrs. Sowmini Thomas, M.Sc., D.H.E.  
Lecturer.
12. Mr. Anil Karambelkar, M.Sc.  
Lecturer.
13. Mrs. Maria Helena Souza, M.A., B.Ed.  
Lecturer.
14. Mr. Sayed Abdullah, M.A., M.Phil.  
Lecturer.
15. Mr. Tensing Rodrigues, M.A.  
Lecturer.
16. Mr. R.K. Tari, M.Sc., B.Ed.  
Lecturer.
17. Mr. Ashok Chodankar, M.Sc.  
Lecturer.
18. Ms. Rekha Mishra, M.A.  
Lecturer.
19. Mr. Joydeep Bhattacharjee, M.Sc.  
Lecturer.
20. Ms. Rosalina Pereira, M.Sc.  
Lecturer.
21. Mrs. Shubhada M. Joshi, M.A.  
Lecturer.
22. Mr. M.B. Ghosarwadkar, M.Com.  
Lecturer.
23. Mrs. Sunita Kanekar, M.A., B.Ed.  
Lecturer.
24. Mr. Ramrao S. Wagh, M.C.A.  
Lecturer.
25. Ms. Anjana Raju, M.Com.  
Lecturer.
26. Mr. G.A. Konesar, M.Com., D.B.M., B.Ed.  
Lecturer.
27. Ms. Maria Imelda Braganza, M.Sc., M.Phil.  
Lecturer.
28. Mr. Gervasio Mendes, M.A.  
Lecturer.
29. Dr. K.S. Muralidhar, M.Sc., Ph.D.  
Lecturer
30. Ms. Agnela Dias, M.A.  
Lecturer
31. Mrs. Sneha Mahambre, M.A., M.Phil.  
Lecturer.
32. Mr. Shirish D. Kamat, M.Sc.  
Lecturer.
33. Ms. Rufina Borges, M.A.  
Lecturer.
34. Mr. Sharat N. Jamkhandi, M.A.  
Lecturer.
35. Ms. Sujata Sail, M.C.A.  
Lecturer.
36. Ms. Norma Menezes, M.A.  
Lecturer.
37. Mr. Sanjay Jahagirdar, M.Sc., M.Phil.  
Lecturer.

**Library :**

Total No. of Text books - 982; Reference books - 6259; Total No. of periodicals 12; Academic Journals - 34.

**Research Projects completed by the teachers and Seminars/Workshops held by the College :**

1. N.B. Bhat, Department of Physics submitted dissertation for the award of M.Phil. degree to Goa University. The Project being "X-ray diffraction studies of some coloured glasses".
2. Joydeep Bhattacharjee, Department of Chemistry submitted his thesis for the award of Ph.D. degree in Chemistry to Goa University. The title being "Studies in Natural Projects".
3. A Faculty Improvement Programme of 3-days was held in the College on "Teaching and Learning Skills" - Management and Mastery conducted by Prof. K.C. Peter, Consultant, Portable Universities; and by Mr. Krishna Lawande, Personnel Manager, C.M.M. Group of Companies, Panaji, on "Attitudes and performance", from 11th to 13th November, 1992.
4. Day long Conference of English teachers from Goa University and its affiliated colleges held on 30/1/1993. Three papers were presented : (1) "The Prison House of History: Understanding the making of literature" by Prof. K.S. Bhat, Goa University; (ii) Life and Literature - "The inevitable equation" by Prof. Kiran Budkuley, Goa University; and (iii) Reframing the syllabus at the Undergraduate level - Prof. Ramola Antao, Dhempe College. Dr. A.K. Joshi, Prof. and Head, Department of English, Goa University chaired the Conference.

**N.C.C., Sports, Debates, Cultural Activities, N.S.S., Educational and Extension work, etc.**

**Sport :** The College has a very impressive playground. The College conducted various sports activities throughout the year to bring about all around development of the students. The College participated in inter-collegiate Badminton, Table-tennis, Chess, Foot-ball, Kabaddi, Volley-ball, Tennikoit, Weight lifting, Kho-Kho, Cricket and Athletics. The men's Kabaddi team won the inter-collegiate Kabaddi Championship, 1992-93, and the women's Kabaddi secured 2nd place in North Zone Inter-Collegiate Kabaddi Tournament, 1992-93. Two students of the College won bronze medals in Discus Throw and High Jump in the Inter-Collegiate Athletics Meet, 199-93. The Tennikoit and Kho-kho (Women) teams reached upto quarter fi-

nals in Inter-Collegiate Tournaments. The College held the V Annual Sports Meet, 1992-93. Independence Day, Goa Liberation Day and Republic Day functions were celebrated with flags hoisting and various competitions were also held in these days.

**Debates:**

1. An All Goa Inter-Collegiate Debating Competition for the ACGL Shield was held on 11/12/1992. It was sponsored by ACGL, Honda.
2. A Debate was held on 12/08/92 for the college students. The theme of the Debate was "we should have nuclear power".

**Cultural Activities :**

Written and enacted plays by the students were held on 15/12/92. The one Act Play were in Hindi, Konkani & Marathi. College Annual Social Gathering was held on 21/12/1992.

**N.S.S.:**

Special Camp was held for 10 days in October, 1992 at Kopardem, Sattari. Literacy week for adults, Vanamahotsava, Sadbhavana Diwas, Quami Ekta Week, National Youth Week, Campus Cleaning, Symbolic Cleaning of Sankhali Market, Blood Donation Camp, personality development programme and some of the activities done by N.S.S. some projects were also undertaken by volunteers.

**Education and Extension Work :**

Dr. B.A. Gomes, Principal of the College gave talks on :

1. Talk on "Discipline in the Campus" at a function of Lions Club of Bicholim on 1/7/1992.
2. A talk on "Youth Leadership" at the Leadership Development Programme for the benefit of N.S.S. Leaders held on 6/8/1992 by the Directorate of Sports and Youth Affairs, Panaji.
3. Two talks on the "Need for Environmental Education" for School teachers on behalf of State Institute of Education held on 24/2/1993 and 27/3/1993.
4. Talk on "Dr. Ambedkar - From Depths of Depression to Collussus" held on 14/4/93, at the Bharatratna, Dr. Babasaheb Ambedkar Vocational Centre, M.P.T. Vasco.

Mr. R. K. Tari, Botany Department participated in an expedition team which was sent to Mount Everest base camp at Nepal. The trekking was from 3rd May to 21st May, 1993. The team was sent through Youth Hostels Association of India, Goa State Unit.

Mr. Sunita Kanekar, Konkani Department attended seminar on "R.V. Pandit and his poetry" at Goa University in November, 1992. She also participated in All India Konkani Sahitya parishad from 16th to 17th January, 1993 in Margao. She participated in the Get together of Konkani teachers in the Goa University on the topic "Syllabus and teaching methods of Konkani at undergraduate level in January, 1993.

Mr. J.P.P Pacheco attended the first need-based refresher course in Chemistry, held at Goa University in March, 1993.

Inter-Class Science Quiz Competition was held on 21st January, 1993.

Elocution competition for college students was organised on 26th January, 1993. The prizes were donated by the Directorate of Health Services, Bicholim Branch. Another Elocution competition was held in August, 1992 by the English Literary Association. Other competitions that were held are English solo Singing competition. Poetry Recital Competition.

#### Statistical details regarding teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93			
				1st yr.	2nd yr.	3rd yr.	
1.	ARTS	B.A.	3 years	Boys	45	33	11
				Girls	50	44	27
				Total	95	77	38
2.	Commerce	B.Com.	3 years	Boys	59	24	14
				Girls	38	28	9
				Total	97	52	23
3.	Science	B.Sc.	3 years	Boys	42	24	19
				Girls	32	21	6
				Total	74	45	25

#### Results of the College percentage-wise :

April 1992		Oct/Nov.1992	
T.Y.B.A.	83.88%	T.Y.B.A.	50%
T.Y.B.Sc.	100%	T.Y.B.Sc.	—
T.Y.B.Com.	88.37%	T.Y.B.Com.	50%
Overall	88%	Overall	50%
April 1993			
T.Y.B.A.	70.27%		
T.Y.B.Sc.	100%		
T.Y.B.Com.	66.66%		
Overall	77.50%		

#### Publications/Paper presented :

- Ms. Maria Imelda Braganca, Mathematics Department presented the following papers : a) Paper on Nonlinear Variation of Parameters Techniques at the Indian Science Congress held in Jan., 1993 at Goa University. (b) Paper entitled "On Variation of Parameters Techniques (a linear case), published in UGC sponsored Journal Mathematics Education.
- Economics Association has published two monographs.
  - Child and Adult employment in Keri and Amona Villages.
  - Market penetration and Market shares of selected brands of consumer goods.

#### Information about campus development, Construction of new buildings, opening of new subjects, course programmes:

Basement of the Commerce Block was developed and rooms were provided to College office, N.S.S., Sports, Examination and Audio-visual programmes.

Tree plantation was done on the side of the College ground.

Six units at Third Year level were introduced in Economics for T.Y.B.A. and Physics for T.Y.B.Sc.

#### A-14 GOA COLLEGE OF HOME SCIENCE, PANAJI-GOA.

The Goa College of Home Science is run by the Government of Goa. It was established in the year 1988. Kum. Z. Pabani is the principal of the College.

### Teaching and Research Staff :

1. Dr. Zahira Pabani, Diploma in Home Science, D.H.E., M.A., M.Phil, Ph.D.
2. Smt. Daisy John, B.Sc., M.Sc. (H.Sc.).
3. Smt. Parvathi Rao, M.Sc., (H.Sc.), M.S. (Nutrition), Diploma in Dietetics.
4. Smt. Rajal Shinkre, B.Sc. (H.Sc.), M.Sc. (H.Sc.).
5. Smt. Singuella de Cunha, B.Sc. (H.Sc.), M.Sc. (H.Sc.).
6. Kum. Rita Godinho, B.Sc., M.Sc.,

**Library:** Text books - 823; Reference books - 295; Periodicals 9; Academic Journals - 23;

### NCC, Sports, Debates, Cultural Activities, NSS, Educational and extension works etc.:

Students make use of the Campal Sports ground, Youth Hostel, with coaching facilities provided by Directorate of Sports & Youth Affairs and Sports Authority of India. Table Tennis, Carrom and Chess are provided in the College premises.

### Statistical details regarding teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	Home Science (Home Sc.)	B.Sc.	3 years	50	24	18

### Results of the College percentage-wise

March - April, 1992	March-April, 1993
F.Y.B.Sc. — 78.6%	F.Y.B.Sc. — 78.5%
S.Y.B.Sc. — 94.7%	S.Y.B.Sc. — 94.7%
T.Y.B.Sc. — 92.8%	T.Y.B.Sc. — 93.3%

**Publication :** NIL

### Information about campus development, construction of new building, etc.:

The College building is at Campal, Panaji.

### A-15 GOVT. COLLEGE OF ARTS, SCIENCE & COMMERCE, KHANDOLA, MARCELA-GOA.

Govt. College of Arts, Science & Commerce, Khandola, Marcela - Goa is established in June, 1989. The College is affiliated to Goa University and imparts instruction in courses leading to B.A., B.Com. & B.Sc. degrees. It is run by Directorate of Education, Govt. of Goa. Dr. John B. Fernandes is the Principal of the College.

### Teaching and Research Staff:

1. Dr. John B. Fernandes, B.Sc., M.Sc., Principal Dip. H.Ed., Ph.D. (USA)
2. Mrs. Seema P. Rath, B.A., M.A. Lecturer.
3. Mr. Prabir Kumar Rath, B.A. (Hons.), Lecturer M.A. C.P.S.
4. Mr. S.M. Tatkodkar, B.A., B.Ed., M.A. Lecturer.
5. Dr. Jivexa Bhattacharji, B.Sc., M.Sc., Ph.D. Lecturer.
6. Ms. Ivone De Menezes, B.Sc., B.Ed., M.Sc. Lecturer.
7. Ms. Fatima D'Souza, B.Com, M.Com. Lecturer
8. Dr. Bibial G. Dias, B.A., M.A., B.Ed., Ph.D. Lecturer.
9. Dr. Usha Bhende, B.Sc., M.A., Ph.D. Lecturer.
10. Ms. Christine D'Souza, B.A., M.A., B.Ed. Lecturer.
11. Mr. Vithal Sukhthankar, B.Sc., M.C.A. Lecturer.
12. Dr. Tara Shankar Dey, B.P.E., M.P.E., D.Y.Ed., Physical Education Directory M.Phil., Ph.D.
13. Mr. Miguel A.B.P.C. Martins, B.Sc., M.Sc. Lecturer.
14. Mr. Jaison Joseph, B.Sc., M.Sc. Lecturer.
15. Mr. Prakash Vazrikar, B.A., M.A. Lecturer.
16. Ms. Sharmila Kelekar, B.A.M.A. Lecturer.
17. Ms. Asha Gawas, B.A., M.A. Lecturer.

18. Mr. Aureliano Fernandes, B.A., B.Ed.,  
Lecturer. B.PH., M.A.
19. Mr. Artemio Fernandes, B.Com. M.Com.  
Lecturer.
20. Mr. P.V. Chodankar, B.Sc., M.Sc.,  
Lecturer.
21. Mr. Sitaram Sukhthankar, B.Com., M.Com,  
Lecturer M.B.A.
22. Mr. Mahesh Pai, B.A., M.A.  
Lecturer.
23. Ms. Dilecta Colaco, B.Sc., M.Sc.  
Lecturer.
24. Ms. Anita Jacob, B.A., M.A.  
Lecturer.
25. Mr. Shridhar M. Gurav, B.Sc., M.Sc.  
Lecturer.
26. Ms. Isabel Dennis, B.A., M.A. Lecturer.

**Library :** Text books + Reference books - 9747; Periodicals - 17, Journals - 10. The College has 9747 reference books as on 30 March, 1993 to cater to 578 students. Besides there are 10 journals on various subjects, 17 popular and scholarly magazines and 16 newspapers.

**Seminars :** The first and second year students of all three streams present seminars using audio-visual media under the guidance of Lecturers teaching Foundation Course and other subjects. Facilities in the Audio-Visual room include an over head projector, slide projector, 16mm film projector, music system, T.V. + VCR, Music and video encyclopaedia.

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

**Sports :** Students of the College participate in all competitions organised by Goa University. They reached the semi-final stage in the North Zone Inter Collegiate football competition and were runners up at Inter Collegiate men's hockey tournament.

**N.S.S. :** N.S.S. Volunteer Hitendra Volvoikar was chosen to participate at the Republic Day celebrations at New Delhi in January, 1993. The N.S.S. Unit undertook the work of cleaning the campus and community development activities. The other Associations in the College include Science Association, "Save Our Soul", Nature Club, Psychology-Political Science Association (PPSA), Geography Association,

Economics Forum, Abhyas Mandal, Commerce Department and English Department which organised guest lectures, study tours and seminars for the students.

**Cultural Activities :** Under the banner of the students' Council the College organised the Prestigious annual, inter collegiate (Cultural) festival jubilations'92 on 10th, 11th and 12th December, where eleven colleges participated. A group of students represented Goa University at the Inter University Youth festival organised by West Zone Cultural Centre, at Gujarat in the traditional folk dance category.

The Annual College Day held on 20th December'92 was a colourful display of students' talent and creativity.

**College Magazine :** The annual college magazine Mahashala '92-93 was released by Principal Dr. John B. Fernandes. The magazine features students' concerns like Global warming, building India for the 21st century, Liberalisation Policy and Religious Conflict. Prof. Aurelian Fernandes is the Editor.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	Commerce	B.Com.	3 years			
			Boys	93	65	31
			Girls	47	29	13
				140	94	44
2.	Arts	B.A.	3 yrs.			
			Boys	41	32	18
			Girls	60	47	14
				101	79	32
3.	Science	B.Sc.	3 yrs.			
			Boys	40	2	4
			Girls	27	11	4
				67	13	8

**Results of the College percentage-wise: March/April 1993**

Arts	53.5%
Commerce	37%
Science	100%

**Information about campus development, construction of new buildings, opening of new subjects, course programmes:**

New Courses introduced.

Degree course in Computer Science at F.Y.B.Sc.

## **A-16 GOVERNMENT COLLEGE OF ARTS, SCIENCE & COMMERCE, QUEPEM - GOA.**

Established in 1989, the Government College of Arts, & Commerce, Quepem, is run by the Govt. of Goa. The College imparts instruction in the courses leading to B.A. and B.Com. degree. Shri P.N. Timble who is also a lecturer in Economics is the Principal of the College. No hostel facilities are provided by the College.

### **Teaching and Research Staff:**

1. Shri P.N. Timble, M.A., LL.M.  
Principal.
2. Shri S. N. Patil, M.A. B.Ed.  
Lecturer
3. Shri Oscar de Noronha, M.A.  
Lecturer.
4. Shri Lucas Miranda, M.Sc., M.Phil.  
Lecturer.
5. Smt. Sushila S. Mendes, M.A., B.Ed., LL.B.  
Lecturer.
6. Smt. Vidya R. Dalvi, M.Com.  
Lecturer.
7. Shri Renji George Amballor, M.A., M.Phil.  
Lecturer.
8. Smt. Asha A. Mangutkar, M.A., B.Ed.  
Lecturer.
9. Miss Bharati K. Parab, M.A., B.Ed.  
Lecturer.
10. Shri Anthony Sathish, M.Com.  
Lecturer.
11. Miss Linda M. Fernandes, M.A.  
Lecturer.
12. Shri Brijpal Singh Galloth, M.A.  
Lecturer.
13. Smt. Purva G. Hegde Desai, B.Com., C.A.  
Lecturer.
14. Miss Seema M. Kulkarni, M.A.  
Lecturer.
15. Miss Ermelinda Dias, M.A.  
Lecturer.
16. Shri Ashok D. Mangutkar, M.A.  
Lecturer
17. Shri Constancio Fernandes, M.A., B.Ed.,  
Lecturer. LL.B.
18. Miss Amrita R. Dessai, M.A.  
Lecturer.

19. Miss Bernadette Gomes, M.A.  
Lecturer.
20. Miss Elizabeth Henriques, M.A.  
Lecturer.
21. Smt. Pramada U.G. Dessai, M.A., B.Lib.  
Librarian.
22. Shri Rajan Mathew, M.P.E.  
Director of Physical Education.
23. Shri K. Hegde Dessai  
Lecturer.

**Library :** Total No. of books - 6850; Magazines - 36; Journals - 15; Video Cassettes - 70; Audio Cassettes - 69; Newspapers - 14.

**Information about the Research Projects completed by the teachers, and Seminars/Workshops held by the College:**

### **OPEN FORUMS :**

1. "Free Port in Goa" organised by the Economics and Environment Study Circle.
2. "Regional Political Parties - understanding their role and relevance" organised by the Political Science Study circle.
3. "Konkani in the Eighth Schedule" organised by the Student Council in Collaboration with the Literary Study Circle.

### **SEMINARS:**

1. "Konkani language syllabus for students of BA" organised by the Literary study circle.
2. "Employment Opportunities in Goa" organised by students Consumer Co-operative Society.
3. "Biodiversity" organised by Economics and Environment study Circle in collaboration with the Block Development Office, Quepem.

### **WORKSHOP:**

1. "Public Speaking" and "Leadership" organised by the Communication study circle in collaboration with the Chandor Jaycees.

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

**NSS :** Total enrolment - 133; Boys - 92 and Girls 41. Two orientation programme were held for NSS students for the year 1992-1993. Students were engaged in various activities like tree plantation and campus work, Literacy programme

and participation in various competitions. Youth week celebrations took off, with a talk on 'Swami Vivekananda' by Madhav Pandit. Among the programme that followed were, a hike to Siddhath Parvat, Literacy campaign and blood donation. 36 volunteers donated blood. The ten-day special camp was held at Kurpem, Sanguem. 66 volunteers participated in addition to 3 teachers and 2 locals. The following projects were undertaken:

1. Construction of Community Stage.
2. Trekking to Vichudrem.
3. Clearing the premises of Kurpem Church and the approach road to Kurpeshwar Temple.
4. Literacy programme for the villagers.
5. Cultural activities for the locals.
6. Talks by experts in different fields.

**Cultural Activities :** The Cultural Union of the College conducted various competitions throughout the year. Essay, elocution, singing, rangoli competitions and debates were held. 'Kala Sangam' an intercollegiate Youth Festival was also organised by the Cultural Union.

Students participation in inter-collegiate competitions was laudable. They bagged prizes in a variety of competitions. The college cultural group was awarded the 2nd prize at the Kala Academy's inter-collegiate One-Act-Play competition. In addition to individual prizes were bagged by Umesh Naik (Best Actor Award), Mita Shastri (Consolation prize for Best Actress Award) Michael Fernandes (For Best Lighting) Miss Bernadette Gomes (Best Directors' Award). 'The Bench', an adaptation of E. Albee's 'The Zoo Story', was bagged in the college, by the theatre group "Khell".

**Sports :** The Sports council organised a Physical Fitness Programme for a period of 10 days. Students participated in inter-class as well as inter-collegiate tournaments and fetched medals at both the state and University levels.

**Study Circles/Associations :** All the associations/Study circles were active throughout the year. Seminars, Workshops, Symposiums, talks, study tours were conducted which helped in supplement class-room teaching with current information and develop the analytical ability of the student.

The History study circle, in collaboration with the Department of Archeology and Archives organised a tour to some of the historical sites of Goa. Students of commerce undertook a visit to Agro Chemicals as part of the study programme.

**Guest Lecturers :** The following guest lecturers were invited under the auspices of various study circles/association to address the students.

Dr. Robert Newman — 'Observations on Goan/Indian Society over the last two decades'.

Prof. Devendra Bale — 'Share Market Scan'.

Prof. R. Bhalerao — 'Life of Vivekananda'.

Prin. Gopalrao Mayenkar - 'Dnyaneshwari' Ek Chirantan Prerana'

Shri Anshu Prakash, IAS - 'District Administration'.

Shri P.V. Salelkar, Director of Education - Youth & Education.

Prin. D.V. Borkar — Reading habits among students.

Shri D.A. Hawaldar, Director of Employment and Shri N.N. Phadte, Industrial Consultant - 'Employment Opportunities in Goa'.

Dr. Manjit Singh — 'the Punjab Problem'.

Shri D.N. Hemmady — 'Consumer Protection and role of NSS Volunteers'.

Shri. Prabhakar Rane — 'Responsibility Accounting'.

Shri Ajit Raut Desai — 'Role of Students in Literacy Programme'.

Shri Raman — 'Entrepreneurship Development'.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	ARTS	B.A.	3 years			
			Boys	43	15	13
			Girls	31	35	18
			Total	74	50	31
2.	Commerce	B.Com.	3 yrs.			
			Boys	77	41	26
			Girls	41	26	15
			Total	118	67	41



### Results of the College Percentage-wise:

	April, 1992	April, 1993
T.Y.B.Com.	38%	64.86%
T.Y.B.A.	64.29%	76.00%

### Information about Campus development, construction of new buildings, opening of new subjects, course programmes :

The college is now housed in its own premises constructed at a cost of Rs.50.00 lakhs. There is provision for a spacious library, laboratories, college canteen and rest rooms for students and staff. The college has approached the University for starting new courses and mainly the science stream. For development of campus to provide sport facilities have been submitted to the Govt. of Goa.

### A-17 ROSARY COLLEGE OF COMMERCE, & ARTS, NAVELIM - GOA.

This College, established in June, 1990 is run by the Diocesan Society of Education. It imparts instruction in the approved subjects leading to B.Com. and B.A. degrees. Prof. Inacio Piedade Newman Fernandes is the Principal of the College. The College, however, does not provide any hostel facilities.

### Teaching and Research Staff:

1. Prof. Newman Fernandes, M.A., LL.B. Principal.
2. Mr. Savio Falleiro, M.A. Lecturer.
3. Ms. Neeta Mazumdar, M.Sc. Lecturer.
4. Ms. Smita Naik, M.A. Lecturer.
5. Mr. Presley Rebello, M.A. Lecturer.
6. Ms. Anna Rodrigues, M.A. Lecturer.
7. Mr. Filipe Rodrigues, M.Com. Lecturer.
8. Mr. Balchandra Gaonkar, M.A. Lecturer.
9. Mr. Francis X. Lobo, M.P. Ed. Director of Physical Education.

10. Ms. Immaculada Gonsalves, M.A. Lecturer.
11. Ms. Layla Mascarenhas, M.A. Lecturer.
12. Mr. Edwin Cotta, M.A. Lecturer.
13. Ms. Fatima Monteiro, M.A. Lecturer.
14. Ms. Derina Dourado, M.Com. Lecturer.

**Library :** Total number of text books and reference books are 1541; Periodicals - 12; and Academic Journals - 11.

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

**N.S.S. :** Altogether 134 students enrolled themselves as N.S.S. volunteers. This is against the total strength of 100 which has been allotted to the college by the Goa University. The College N.S.S. unit concentrated mainly on the 'Adult Literacy Drive'. 118 N.S.S. student volunteers opted for the 'Each One Teach One' project. Besides the Literacy drive, some N.S.S. volunteers are helping in Government Libraries, public hospitals, old aged homes, etc. The N.S.S. volunteers were also involved in various campus related activities including campus cleaning.

Two NSS student volunteers of the college were sent to attend and participate in a three day 'Leadership Training Programme'. Prof. Savio Falleiro, the college NSS programmer Officer, attended a 11 day Orientation Course for NSS programme Officers at TISS, Deonar, Bombay. The valedictory function of the NSS unit of the Rosary College is to be held on 5th March, 1993. 139 students have successfully completed over 120 hours of work under NSS during this year.

**Sports :** The Department of Physical education was inaugurated at Rosary College of Commerce & Arts, Navelim, at the hands of Mr. Kennedy D'Silva, Director of Sports, Goa University. Rosary College is the first college in Goa to introduce physical Education as an academic discipline for all its students. The following topics were covered during Physical Education Certificate Course - Introduction to Physical

Education; Basic & Systemic Anatomy; Physiology of exercise; Components of fitness; First Aid and Safety Education; Sports psychology; Health programme; Nutrition and Yoga.

**The rosary College organised various programme for its students in the academic year 1992-93:**

**A. Intramural Programme for Men**

1. The Inter-Class football tournament.
2. The Inter-Class Basketball tournament.
3. The Inter-Class Volleyball tournament
4. The Inter-Class Cricket tournament
5. The Inter-Class Athletic Meet
6. The Inter-Class Tug-of-war Competition

**B. Intramural Programme for Women.**

1. The Inter-Class Basketball tournament
2. Inter-Class Tug-of-War for Women
3. Inter-Class Athletics Meet.

**C. Extramural Programme (Inter-Collegiate Competition (Boys Section))**

1. Rosary College Navelim participated in the Inter-Collegiate Badminton tournament for Boys held at Campal Indoor Stadium.
2. The College participated in the Inter-collegiate chess tournament for boys at Pharmacy college, Panaji.
3. The College participated in the Inter-Collegiate Football tournament at Navelim, 2STC grounds.
4. The College participated in the Inter-Collegiate Cross Country Race at Goa University, Taleigao.
5. The college participated in the Inter-Collegiate Cycling Competition.
6. The College participated in the Inter-Collegiate Basketball competition at Rosary College grounds.
7. The College participated in the Inter-Collegiate Kabaddi tournament held at Fatorda stadium.

8. The college participated in the Inter-Collegiate Kho-Kho tournament for boys held at Fatorda grounds.

9. The College participated in the Inter-Collegiate Cricket tournament at Chowgule College ground.

10. The College participated in the Inter-Collegiate Volleyball tournament held at Ponda, Municipal Court.

**Girls Section:** The College participated in the Inter-Collegiate Basketball tournament for girls. The College also participated in the Inter-Collegiate Kabaddi tournament for girls. Melania Coutinho won the 1st place in 800 mts. She also won 1st place in 1500 mts. and second place in 400 mts. She broke 2 Goa University records in 800 and 1500 mts. Miss Jessy Gomes won 3rd place in 400 mts.

The first Annual Sports Meet was held at Rosary College grounds. At the end of the year, Physical Education Certificate Course exam was conducted. 250 students appeared for exam out of which 39 passed. They were awarded certificates.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	3rd yr.
1.	Commerce	B.Com.	3 years			
			Boys	77	32	14
			Girls	49	22	10
			Total	126	54	24
2.	Arts	B.A.	3 years			
			Boys	19	8	—
			Girls	44	29	—
			Total	63	37	—

**Results of the College percentage-wise:**

T.Y.B.Com. Examination of April, 1993 - 27.27%

**Information about campus development, construction of new buildings, opening of new subjects, course, programmes.:**

In the course of the first year of College, a provisional building was put up and was occupied in January, 1991. The College Office, Principal's Office, Library, Faculty Room, Men's Common Room, Women's Common Room, Sports Room, Audio-Visual Room, some Classrooms were

housed in this building. In August, 1991, the foundation stone of the New College Building was laid. The ground floor is ready and the work is in progress.

**A -18 FR. AGNEL COLLEGE OF ARTS & COMMERCE, PILAR - GOA.**

This College, established in June 1991, is run by the Xaverian Educational Society. It imparts instruction in the approved subjects leading to B.A. and B.Com. degrees. Dr. Cajetan Fernandes is the principal of the College. The College, however, does not provide any hostel facilities.

**Teaching and Research Staff:**

1. Dr. Cajetan Fernandes, M.A., Ph.D.  
Principal.
2. Mr. Mario D'Souza, M.A., M.B.A.  
Lecturer.
3. Ms. Annie Shakoor, M.A.  
Lecturer.
4. Mr. Agnel Dias, M.P.Ed.  
Director of Physical Education.
5. Mr. Pankaj Parekh, M.Com.  
Lecturer.
6. Ms. Biula D'Cruz, M.A.  
Lecturer.
7. Ms. Soraya Sa, M.A.  
Lecturer.
8. Mr. Shailendra Mehta, M.A.  
Lecturer.
9. Mr. Dilip Borkar, M.A.  
Lecturer.
10. Ms. Magdalena D'souza, M.A.  
Lecturer.
11. Ms. Asha Panandikar, M.Sc.  
Lecturer.
12. Mr. B. Ingalhalli, M.A.  
Lecturer.
13. Mr. Somnath Patil, B.com., LL.B.  
Lecturer.

**Library :** Total No. of text books & reference books - 1189; Academic Journals - 22; Periodicals - 6.

Seminars/Workshop held by the College : The Col-

lege conducted a faculty Improvement Workshop for teaching & non-teaching staff.

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

**N.S.S.:** The College N.S.S. Cell held its Annual Special Camp at Kalay Farm. The activities undertaken in the camp were as follows:

1. Cleaning of Kalay Farm.
2. cleaning of access road leading to the farm house.
3. socio-Economic survey of the people living in Kalay village.
4. Afforestation drive in the Kalay farm belonging to Pilar Fathers.
5. Literacy survey of the villagers.
6. Cultural programmes for the children of the villagers.
7. Construction of a brick house for a tenant residing in the farm.
8. Cleaning of chapel and temple surroundings.

**Social Activities:** The College conducted the Inter-Collegiate Carol Singing Competition on 18th of December. Nine Colleges participated in the competition. The 1st prize was begged by Nirmala Institute, 2nd by Carmel College and the 3rd was begged by Rosary College. The College had its Annual College Day function on 19th of December, 1992.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	
1.	Commerce	B.Com.	3 years			
				Boys	38	36
				Girls	41	24
			Total	79	60	
2.	Arts	B.A.	3 Years			
				Boys	16	16
				Girls	20	29
			Total	36	45	

**Information about campus development, construction of new buildings, etc. :**

The Plan of the new college building is being considered.

**A-19 SARASWAT VIDYALAYA'S COLLEGE OF COMMERCE & MANAGEMENT STUDIES, KHORLIM, MAPUSA - GOA.**

The College was established in July, 1991 to impart instructions in the approved subjects leading to B.Com. degree. The College is run by Saraswat Vidyalyaya, Telang Nagar, Khorlim, Mapusa - Goa. Shri Bhaskar G. Nayak is the Principal of the College. The College, however, does not provide hostel facilities.

**Teaching and Research Staff:**

1. Shri Bhaskar G. Nayak, M.A. Principal
2. Shri Sukhaji Naik, M.Com., B.Ed. Lecturer.
3. Shri Jayesh Churi, B.A.; M.P. Ed. Director of Physical Education
4. Mrs. Laximi V. Kamat, M.Sc. Lecturer.

**Library:**

Text books - 292; Periodicals - 02; Reference books - 276; and Academic Journals - 02.

**Information about the Research projects completed by the teachers and seminars/workshops held by the College:**

Workshop on "Agenda for Excellence" held by the College on 2nd March, 1993.

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

**N.C.C.:** The College does not have a separate N.C.C. wing, however it accommodates the deserving students in N.C.C. units of other colleges.

**Sports :** The College participated in different event conducted by Goa University. In Athletics at Inter Collegiate level two of the athletes could secure positions.

**Cultural Activities:** The College participated in youth festivals organised by Govt. College of Arts, Science & Commerce, Khandola and Govt. College of Arts, Science & Commerce, Sanquelim. At Sanquelim, the College secured 2nd place. The College also participated in One-Act-Play competition organised by Kala Academy, Panaji. There were a number of competitions organised by Inter-Class level wherein there was active participation of students.

**N.S.S.:** The college has a NSS Unit of 100 volunteers. A number of projects in Health, Education, Social forestry and Rural development were undertaken by the College. The College undertook Goa University Campus development project which was well appreciated by the University Authorities. The annual NSS Camp was held at Keri (Pernem). The group of 36 volunteers completed a road joining a hamlet at Keri. In addition to this, the campers completed construction of a Volleyball Court for the Local High School.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93		
				1st yr.	2nd yr.	
1.	Commerce	B.Com.	3 years			
				Boys	167	41
				Girls	102	16
			Total	269	57	

**Information about Campus development, construction of new buildings, etc.:**

The Management of the College proposed to construct a College Complex at a cost of seventy five lakhs on the land owned by the Society. The necessary formalities are being taken care of. The College also proposed to launch a degree programme in Management Science (BMS). The arrangements are being made to get a specific approval for the same from AICTE, Directorate of Education and Goa University.

**B-1. GOA MEDICAL COLLEGE, BAMBOLIM - GOA.**

The Goa Medical College is run by the Government of Goa. It was established in the year 1963. Dr. V.J. Monteiro is the Dean of the College.

**Hostel facilities :** There are 2 hostels available for girls and 3 hostels available for boys.

**Teaching and Research Staff :**

- a) DEPARTMENT OF ANATOMY:
  1. Dr. G.J. Bhandari, M.B.B.S., M.Sc. (Med) Professor.
  2. Dr. R.B. Desai, Medico Surgeon Associate Prof. Lic. in Med (Coimbra) M.Sc. (Med)

3. Dr. A.V. Mainker, MBBS, M.S.  
Asstt. Professor.
4. Dr. M.V. Bargi, MBBS, M.S.  
Asstt. Professor
5. Dr. A.A. Nagarsenker, M.B.B.S. M.S.  
Lecturer.
6. Dr. U.P. Bhate, M.B.B.S., M.S.  
Demonstrator
7. Dr. P.R. Pai, MBBS., M.S.  
Demonstrator.
8. Dr. M.P. Dias, MBBS., M.S.  
Demonstrator
9. Dr. R.N. Dubhashi, MBBS., M.S.  
Demonstrator
10. Dr. P.E. Natekar, MBBS., M.S.  
Demonstrator

b) DEPARTMENT OF PHYSIOLOGY

1. Dr. J.F. Mascarenhas, MBBS. (Bom),  
B.Sc. (Med) (Bom) M.Sc. (Med) (Bom)  
Professor.
2. Dr. R.A. Dhume, Medico Cirurgiao Goa,  
MBBS., (Bom), M.D. (Bom), M.A.M.S.,  
Associate Prof. F.A.M.S.
3. Dr. M.E. Abraham, MBBS. (Andhra), M.D.  
Asstt. Professor (Bom)
4. Dr. V.K. Mulgaonkar, MBBS (Poona),  
Professor M.D.
5. Dr. A.S. Borker, MBBS.(Bom) M.D. (Bom)  
Lecturer
6. Dr. Frida Monteiro, MBBS.(Bom)  
Lecturer M.D. (Bom)
7. Dr. A. Noronha, MBBS (Shivaji), M.D.(Bom)  
Demonstrator
8. Dr. S.D. Sahakari, MBBS (Bom),  
Deomonstrator M.D. (Bom)
9. Dr. M.D. Nagvekar, MBBS (Karnataka)  
Demonstrator M.D. (Bom)
10. Dr. J.P. Pednekar, MBBS (Bom),  
Demonstraor M.D. (Bom)
11. Dr. S.R. Sardessai, MBBS (Bom),  
M.D.(Goa)

c) DEPARTMENT OF BIOCHEMISTRY

1. Dr. Shanti Pamnani, M.D.  
Professor

2. Dr. S. Chakrabarti, M.D.  
Associate Professor
3. Dr. Mrs. P.P. Nadkarni, M.D.  
Lecturer
4. Dr. Mrs. Asha A. Naik, M.D.  
Lecturer
5. Dr. R.B. Shah, M.D.  
Domonstrator

d) DEPARTMENT OF PATHOLOGY

1. Dr. Suzette Menezes, Medico-Cirurgiao  
Goa MBBS, M.D. (Path. & Bact.)  
Prof. & Head.
2. Dr. Nisha S. Nadkarni, MBBS., M.D.  
Associate Professor (Path. & Bact.)
3. Dr. Roque G.W. Pinto, MBBS., M.D.  
Asstt. Prof. (Pathology) D.N.B.  
(Pathology)
4. Dr. M.V. Mallya, MBBS, M.D. (Pathology),  
Lecturer D.N.B. (Pathology)
5. Dr. Avril I. Dias, MBBS., M.D. (Pathology)  
Lecturer.
6. Dr. Francisco Couto, MBBS, M.D.  
Lecturer (Pathology)
7. Dr. Mohan Pai Raikar, MBBS, M.D.  
Demonstrator (Pathology)
8. Dr. Premila D'Souza, MBBS,  
Demonstrator M.D. (Pathology)

e) DEPARTMENT OF MICROBIOLOGY

1. Dr. Inderjit Singh, MBBS (Punjabi),  
Prof. & head M.D. (Micro) Delhi.
2. Dr. Mrs. M.P. Verenkar, MBBS (Bom.)  
Asstt. Prof. M.D. (Path & Bact) Bom.
3. Dr. Savio Rodrigues, M.B.B.S (Bom),  
Asstt. Prof. M.D. (Micro.) Bom.
4. Dr. V.A. Naik, MBBS (Bom), M.D.  
Demonstrator (Micro) Bom.
5. Dr. N.V. Kharangate, MBBS (Bom.),  
Demonstrator M.D. (Micro) Bom.
6. Dr. Jose M.W. Pinto, MBBS (Bom), M.D.  
Demonstrator (Micro) Bom.
7. Dr. Ranjani Narayan, MBBS (Bom),  
P.G. Student
8. Dr. Ramona D'Souza, MBBS (Bom)  
P.G. Student
9. Dr. Mavis Vaz, MBBS (Bom)  
P.G. Student

f) DEPARTMENT OF PHARMACOLOGY

1. Dr. V.G. Dhume, MBBS (Bom), M.D.  
Professor (Pharmacology)
2. Dr. N.V. Agshikar, MBBS, M.D.  
Assoc. Prof. (Pharmacology)
3. Dr. (Mrs.) R.S. Diniz, MBBS, M.D.  
Asstt. Prof. (Pharmacology)
4. Dr. (Mrs.) S.S. Hede, MBBS., M.D.  
Lecturer (Pharmacology)
5. Dr. J.S.C. Pereira, MBBS, M.D.  
Lecturer (Pharmacology)
6. Dr. (Mrs.) S.A. Bhounsule, M.BBS, MD  
Demonstrator (Pharmacology)
7. Dr. (Mrs.) P.N. Bhandare, MBBS, D.G.O.,  
Demonstrator M.D. (Pharmacology)
8. Dr. P.V. Rataboli, MBBS, M.D. -  
Demonstrator (Pharmacology)
9. Mr. V.R. Naik, M.Pharm.  
Senior Pharmaceutical Chemist.

g) DEPARTMENT OF FORENSIC MEDICINE

1. Dr. B.N. Reddy, M.D., D.F.M.  
Professor (Forensic Med.)
2. Dr. P.S. Audi, Medico-Cirurgiao,  
Asstt. Prof. M.D. (Path & Bact.)  
D.P.B. (C.P.S.),  
M.D. (Forensic Med.)
3. Dr. M.S. Usgaonkar, M.D., D.F.M.  
Lecturer. (Forensic Medicine)
4. Dr. E. Rodriguese, M.D. (Forensic  
Demonstrator Medicine)

h) DEPARTMENT OF PAEDIATRICS

1. Dr. H.B. Rao, MBBS., M.D.,  
Prof. & Head Paediatric Resident -  
State University of  
New York - U.S.A.,  
Post Doctoral Fellow  
in Paediatric  
Endocrinology - State  
University of New York  
- USA.
2. Dr. Philomena Pereira D'Souza,  
Asstt. Prof. MBBS., M.D.
3. Dr. Maria Piedade Rego Silveira,  
Lecturer MBBS., M.D., D.C.H.  
(C.P.S.)

4. Dr. Kiran P Sawardekar, MBBS.M.D.D.C.H.  
Lecturer (C.P.S.), DNB (Ped)
5. Dr. Ameeta Mascarenhas, MBBS.,  
Sr. Resident M.D. (Ped)
6. Dr. Sushma Dukle, MBBS, M.D.,  
Sr. Resident D.C.H. (C.P.S.)  
DNB (Ped)

i) DEPARTMENT OF DERMATOLOGY

1. Dr. V.L. Rege, D.V.D, M.D.  
Professor & Head.
2. Dr. Maria Flora Mascarenhas, D.D.V.,  
Lecturer. Diplomat N.B.

j) DEPARTMENT OF T.B. & CHEST DISEASES

1. Dr. A.S. Bagga, M.D., T.D.D.  
Prof. & Head
2. Dr. A.m. Mesquita, M.D.  
Assoc. Prof.
3. Dr. Durga Lawande, MD.  
Asstt. Prof.
4. Dr. A.L. Da Costa, M.D.  
Lecturer
5. Mrs. Milan Saudagar, M.Sc. (Paly)  
Palynologist

k) DEPARTMENT OF SURGERY

1. Dr. W.K. Belokar, MBBS., MS, FICS,  
Prof. & Head. M.Ch. (Urology)
2. Dr. Vasco D'Silva, MBBS., MS., FICS  
Assoc. Prof.
3. Dr. Oswald DeSa, MBBS., MS.,  
Assoc. Prof.
4. Dr. A.N. Jadhav, MBBS. MS.  
Asstt. Prof.
5. Dr. D. Amonkar, MBBS, MS  
Asstt. Prof.
6. Dr. F.P. Noronha, M.B.B.S., M.S.  
Lecturer.

l) DEPARTMENT OF ORTHOPAEDIC SURGERY

1. Dr. U.G. Nachinolcar, M.B.B.S., M.S.,  
D.Ortho., F.A.C.S., F.I.C.S.  
Prof. & Head.
2. Dr. Carlos Barreto, M.B.B.S., M.S. (Orth.)  
Asstt. Prof.
3. Dr. S.M. Bandekar, M.B.B.S., M.S. (Orth.)  
Lecturer.

- m) DEPARTMENT OF OPHTHALMOLOGY
1. Dr. Pradeep G. Naik, M.S. (Ophth) Bom. Professor Uni., DOMS(CPS), FICS
  2. Dr. Ugam P.S. Usgaonkar, M.S., DOMS. Lecturer.
- n) DEPARTMENT OF PREVENTIVE AND SOCIAL MEDICINE
1. Dr. S.B. Dixit, M.D. (SPM), F.I.A.P.S.M. Prof. & Head F.R.S.H.(London)
  2. Dr. R.K. Samal, M.D. (PSM), D.N.B.E., Assoc. Prof. C.H.E.
  3. Dr. Agnelo Ferreira, M.D. (PSM), D.N.B.E. Asstt. Prof.
  4. Mr. Vidal D'Souza, M.A., D.P.E., D.P.H.Ed., Lecturer C.H.E.
  5. Mr. Harikumar P., M.Sc. Lecturer.
  6. Dr. Shivanand Priolkar, D.P.H., M.D., Demonstrator. D.N.B.E., D.H.A.
- o) INSTITUTE OF PSYCHIATRY & HUMAN BEHAVIOUR.
1. Dr. Joao Maria Fernandes, MBBS., M.D. Director & Prof. F.I.P.S.
  2. Dr. (Kum) Pushpabai J. Dukle, MBBS., Medical Supdt. & M.D., D.P.M. Asstt. Prof.
  3. Dr. Damodar S. Kukalekar, MBBS., M.D. Community Psychiatrist. D.P.M.
  4. Shri P.K. Chakraborty, M.A., Dip. in Medical and social Psychiatry. Clinical Psychologist.
  5. Dr. Medhavini Sawardekar, MBBS., M.D., Lecturer. D.P.M.
- p) DEPARTMENT OF MEDICINE
1. Dr. C.P. Kapoor, MBBS., M.D. Professor.
  2. Dr. N.G. Dubhashi, MBBS., M.D. Assoc. Prof.
  3. Dr. (Mrs) Lata Kamat, MBBS, M.D. Assoc. Prof.
  4. Dr. Rufino Monteiro, MBBS, M.D. Asstt. Professor.
  5. Dr. Edwin Gomes, MBBS., M.D. Lecturer.
- q) DEPARTMENT OF ANAESTHESIOLOGY
1. Dr. Ramakant Nagesh Shetti, MBBS., D.A.
- Prof. & Head. M.S., F.I.C.S.
2. Dr. (Mrs) Marilyn P. Nazareth, MBBS., D.A., Asstt. Prof. M.D.
  3. Dr. (Mrs) Dalia D. Bhandare, MBBS., D.A., Asstt. Prof. M.D.
  4. Dr. Sitaram V. Korgaonkar, MBBS., D.A., Lecturer. M.D.
  5. Dr. (Mrs.) Shaila Kamat, MBBS., D.A., Lecturer M.D., Dip. in Accupuncture.
- r) DEPARTMENT OF OBST. & GYNAECOLOGY
1. Dr. M. N. Pal, M.D., D.G.O., M.N.A.M.S., Prof. & Head. F.I.C.S.
  2. Dr. D.N. Buhariwalla, M.S. Assoc. Prof.
  3. Dr. Prasad Nevrenkar, M.D., D.G.O. Assoc. Prof.
  4. Dr. (Mrs.) Milan Bhandare, M.D., D.G.O. Asstt. Prof.
  5. Dr. (Mrs.) Anjali Kamat M.D., D.G.O. Asstt. Prof.
  6. Dr. (Mrs.) Savita Chandra, M.D., D.G.O. Asstt. Prof.
  7. Dr. Nimish Pillai, M.D., D.G.O. Lecturer.
- Senior Residents (OBG)**
1. Dr. Asheesh Gude, M.D., D.G.O. Senior Resident
  2. Dr. Luis Dias, D.G.O. Senior Resident
  3. Dr. Manjusha Jindal, M.D. Senior Resident
  4. Dr. Ratnavati Stanley, D.G.O. Senior Resident
  5. Dr. Mini Chacko/Roy, M.D., D.G.O. Senior Resident
  6. Dr. Michael Menezes, D.G.O. Senior Resident.
- Details of Research/Masters students:**
- a) DEPARTMENT OF ANATOMY
- | Name of the teacher | No. of students Full-time |
|---------------------|---------------------------|
| Dr. G.J. Bhandari   | 2                         |
| Dr. R.B. Dessai     | 4                         |

**Following Students have completed M.S.:**

Dr. R.N. Dubhashi; Dr. A.K. Mukherjee; Dr. U.P. Bhate; Dr. P.E. Natekar; Dr. P.R. Pai; Dr. (Mrs.) Dipti

**b) DEPARTMENT OF PHYSIOLOGY**

Name of the teacher	No. of students Full-time
Dr. J.F. Mascarenhas	1
Dr. M.E. Abraham	2

**c) DEPARTMENT OF BIOCHEMISTRY**

Name of the teacher	No. of students Full-time
Dr. S. Pamnani	2

**d) DEPARTMENT OF PATHOLOGY**

Name of the teacher	No. of students Full-time
Dr. Suzette Menezes	2
Dr. Nisha S. Nadkarni	4

**Dissertations :**

1. "Fine Needle Aspiration Cytology of Thyroid Lesions and its histopathological Correlation". By Dr. Suresh R.S. Mandrekar.
2. "Fine Needle Aspiration Cytology of Lymph Nodes and its histopathological correlation" by Dr. Sanjyot Nadkarni.

Dr. Suresh R.S. Mandrekar has been declared successful in M.D. Pathology examination.

**e) DEPARTMENT OF MICROBIOLOGY**

Name of the teacher	No. of students Full-time
Dr. Inderjit Singh	2
Dr. (Mrs.) M.P. Verenkar	3

Following students have completed their thesis:

Dr. Abhaya Korgaonkar : A Study of Hepatitis B surface antigen in different groups by RPHA and ELISA test techniques.

Dr. Kavita Kamath : Mycobacteriological study of fine needle aspirates of cervical Lymphadenitis.

Dr. Ranjani Narayan : In vitro antimicrobial susceptibility testing of *S. typhi* isolated from cases of POU by Disc diffusion and tube dilution.

Following students have been declared successful in M.D. Examination:

Dr. Kavita Kamath; Dr. Abhaya Korgaonkar

**f) DEPARTMENT OF PHARMACOLOGY**

Name of the teacher	No. of students Full-time
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Dr. V.G. Dhume	2
Dr. N.V. Agshikar	1

Dr. Sunita De Sa has completed her dissertation on "Anticholinergic action of Nefopam : Comparison with atropine".

**g) DEPARTMENT OF FORENSIC MEDICINE**

Name of the teacher	No. of students Full-time
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Dr. B.N. Reddy	2
Dr. P.S. Audi	2
Dr. M.S. Usgaonkar	2

**h) DEPARTMENT OF MEDICINE**

Name of the teacher	No. of students Full-time
---------------------	------------------------------

Dr. C.P. Kapoor	3
Dr. N.G. Dubhashi	3
Dr. (Mrs.) L. Kamat	2
Dr. S.Y. Natekar	2

Dr. V.N. Savoikar has completed his dissertation.

Following students have already declared successful in Masters degree examination :

Dr. Vinay priolkar, Dr. Rama Bhat;

Dr. Neville Alberto and Dr. Mahesh Amonkar.

**i) DEPARTMENT OF PAEDIATRICS**

Name of the teacher	No. of students Full-time
---------------------	------------------------------

Dr. H.B. Rao	4
Dr. P. Pereira	2

Following students have completed their Master Dissertation or thesis:

1. Dr. Sucheta Sardesai - Submitted a dissertation entitled 'Intermittent short Term Chemotherapy for Tuberculosis'.

2. Dr. Beryl Maria Antao - 'Aetiopathogenesis of PEM in Goa'.

3. Dr. Swati S. Naik - 'Typhoid Fever in Paediatrics - Clinical & Microbiological Profile'.



j) DEPARTMENT OF DERMATOLOGY

Name of the teacher	No. of students Full-time
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Dr. V.L. Rege	3
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k) DEPARTMENT OF T.B. & CHEST DISEASES

Name of the teacher	No. of students Full-time
---------------------	------------------------------

Dr. A.S. Bagga	2
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Dr. A.M. Mesquita	2
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Dr. Cherylann Zuzarte and Dr. Lalita Fernandes has been declared successful in M.D. degree.

l) DEPARTMENT OF SURGERY

Name of the teacher	No. of students Full-time
---------------------	------------------------------

Dr. W.K. Belokar	3
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Dr. Vasco D'Silva	3
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Dr. Oswald De Sa	4
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Dr. A.N. Jadhav	2
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Following students have passed their M.S.

1. Dr. Prashant Lawande. Thesis - single Dose Antimicrobial Prophylaxis of surgical wound infection.

2. Dr. Celso Dias.

m) DEPARTMENT OF ORTHOPAEDIC

Name of the teacher	No. of students Full-time
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Dr. U.G. Nachinolcar	6
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Following students have already declared successful in Masters degree :

Dr. Dinesh Kamath, Dr. Zelio D'Mello; Dr. Rajendra Bhandankar

n) DEPARTMENT OF ANAESTHESIOLOGY

Name of the teacher	No. of students Full-time
---------------------	------------------------------

Dr. R.N. Shetti	10
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Dr. (Mrs.) Marilyn P. Nazareth	4
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Following students have passed their M.D. (Anaesthesiology)

Dr. Sanjay Bhandankar; Dr. Anand Sagar;

Dr. Pratima Prabhu Dessai and Dr. Maria Agnela Gomes.

o) DEPARTMENT OF OPHTHALMOLOGY

Name of the teacher	No. of students Full-time
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Dr. Pradeep G. Naik	5
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Following students have completed Masters dissertation or thesis and have declared successful in the M.S. examination :

Dr. Shamin Kudchodkar. Thesis - Ocular

Mannifestations of diabetes Mellitus;

Dr. Nolan De Souza. Thesis - Clinical evaluation of Post operative results using standard power posterior chamber implants; Dr. Edwin Figueira. Thesis - Compression of post operative astigmatism in IOL surgery using different suturing technique.

p) DEPARTMENT OF OBST. & GYNAEC.

Name of the teacher	No. of students Full-time
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Dr. M.N. Pal	3
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Dr. D.N. Buhariwalla	6
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Dr. Prasad Nevrenkar	6
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Dr. Milan Bhandare	4
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Dr. Anjali Kamat	2
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Dr. Savita Chandra (PPP)	—
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Dr. Asheesh Gude has declared successful.

Following students have completed Master Dissertation :

1. Dr. Luis Dias - 'Review of cases of Dysfunctional Uterine Bleeding'.

2. Dr. Ratnavati Stanley - 'Review of Accidental Haemorrhage'.

q) DEPARTMENT OF PREVENTIVE & SOCIAL MEDICINE

Name of the teacher	No. of students Full-time
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Dr. S. B. Dixit	7
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Following students have completed Masters P. G. dissertation or thesis :

Dr. Nadia Rangel; Dr Vidhya Mandurkar;

Dr Prithviraj Jadhav.

Dr. Nadia Rangel has been declared successful in Masters examination.

r) DEPARTMENT OF PSYCHIATRY & HUMAN BEHAVIOUR

Name of the teacher	No. of students Full time
Dr. J.M. Fernandes	6

Following students have completed Masters dissertation:

1. Dr. Ashutosh Prabhudessai - 'Epidemiologic study of alcohol related admission in a Psychiatric hospital;
2. Dr. M.S. Anand - 'Epidemiological considerations in ECT.

**Library :** Total No. of Books - 12,405; Reference books - 414; Total No. of bound periodicals - 9615; and total No. of current periodicals - 87.

Information about the Research Projects completed by the teachers, and seminars/workshops held by the college:

#### DEPARTMENT OF PHYSIOLOGY:

1. Effect of duration of stress on pain threshold in rats.
2. The rate of degree of food Compensation on alteration of its caloric density in rats.
3. Effect of intensity and duration of stress on male sexual behaviour in rats.
4. Effect of Tulsi leaves ingestion on female reproductive behaviour in rats.
5. Effect of stress on organ weights in rats.
6. Effect of REM sleep deprivation in rats.
7. Role of striatal dopamine in the lordosis behaviour.

#### DEPARTMENT OF BIOCHEMISTRY

1. Biochemical Profile of trained and untrained subjects after controlled exercises.
2. Studies on the effects of under nutrition on protein phosphorylation in developing rat brain.  
The project was financed by Roussel Scientific Institute, India.
3. Oxyhemoglobin induced modifications of human erythrocyte cytoskeletal proteins. The project was supported by R.D. Birla Smarak Kosh, Bombay.

#### DEPARTMENT OF PATHOLOGY

1. Fine Needle Aspiration Cytology of Thyroid lesions and its histopathological correlation.
2. Fine Needle Aspiration Cytology of Lymph Nodes and its histopathological correlation.

3. Role of lung biopsy in Pulmonary lesions.
4. Role of Endoscopic biopsy in upper Gastrointestinal tract lesions.
5. Role of Endoscopic biopsy in lower Gastrointestinal tract lesions.
6. Biopsy of the cervix.
7. Histopathology of brain tumours.
8. Histopathology of Adnexal tumours of skin.

#### DEPARTMENT OF MICROBIOLOGY

1. HIV status of cases of bilateral extensive pulmonary tuberculosis.
2. Incidence of chlamydial infection in women with PID.
3. Study of incidence of Herpes simplex type II
4. Antibiotic sensitivity, Hemagglutination type and hemolysin production in relation to serogroups of uropathogenic Escherichia coli.
5. Clinicobacteriological study of lower respiratory tract infections and antibiotics sensitivity testing of the Pathogen.
6. Serological studies for suspected cases of syphilis using TPHA and VDRL test.

#### Seminars:

1. Transplantation Immunity
2. Problems of Salmonellosis in India
3. Bacterial Genetics
4. Cell Wall
5. Chemical Disinfectants
6. Newer Vaccines

#### Workshop :

2 days workshop on HIV infection - epidemiology management & counseling. Held in 1st & 2nd April, 1993.

#### DEPARTMENT OF PHARMACOLOGY

1. The Department is one of the Centre for an ongoing National project on 'Development of Potential Drugs from the Ocean'.
2. The Department holds monthly seminars meant for the staff and post-graduate students of the Department.

A Clinical Profile of Alopecia area in Goa.

#### DEPARTMENT OF T.B. & CHEST DISEASES

1. Serum Zinc levels and effects of Zinc therapy in patients of Tuberculosis.

2. A comparative Trial of various Anti-biotics in Lower Respiratory Tract Diseases.

#### DEPARTMENT OF SURGERY

1. Diabetic Foot: Conservative & Operative Approach.
2. Diagnostic Aids & Clinical Correlation in Peritonitis.
3. Laparoscopic evaluation of Intra-Abdominal malignancy.
4. Clinico pathiological study of carcinoma penis.
5. Bile culture sensitivity and Gall Stone analysis in patients with cholelithiasis.
6. Gastric outlet obstruction clinicopathological study.
7. Clinicopathology of salivary tumours.
8. Blunt abdominal trauma (early diagnosis Tap v/s ultrasound)
9. Stones in Kidney and ureters with study (clinico pathoic study)
10. AC pancreatitis - apache - II scoring
11. Carcinoma of breast-clinico pathological studies.

#### DEPARTMENT OF ORTHOPAEDIC

Seminars : NTT at Pondicherry - By Dr. C. Barreto (National teaching training)

#### DEPARTMENT OF ANAESTHESIOLOGY

1. Comparative Evaluation of Pre-Anaesthetic Administration of Cimetidine, Ranitidine and Famotidine (in Elective Non-obstetric Patients) on Gastric juice volume and PH.
2. Bupivacaine for spinal Anaesthesia: A comparative study between 0.5% Hyperbaric and Plain Bupivacaine.
3. Evaluation of sedative and Anti-Emetic effects of Trifluoperazine in Preanaesthetic medication.
4. Incidence of Post Spinal Headache in a Teaching Institution.
5. Indo American workshop on Anaesthesiology update was organised from 3rd to 5th March, 1993. 5 American Delegates and 18 Indian Faculty participated. Over 140 Delegates from all over the Country participated. Evaluation was done, certificates were also issued.

#### DEPARTMENT OF OBST. & GYNAEC

1. Dr. M. N. Pal attended a Post Partum Programme Seminar at Kolhapur.
2. Dr. D.N. Buhariwalla attended All India

Anathesia Conference held in Goa.

3. Dr. Prasad Nevrenkar attended All India Anathesia Conference held in Goa.
4. Dr. Anjali Kamat attended Demonstration of MTP, Minilap at FW Workshop in Goa.
5. Dr. Savita Chandra attended seminars & workshop held by the college.

#### N.C.C., Sports, Debates, Cultural activities, N.S.S., Educational and extension works etc.:

**Sports** : Ground facilities : Basket Ball Ground; Volley ball Ground; Two outdoor Badminton Courts; Two T.T.Tables.

The College is conducting and sending team to represent Goa Medical College in Inter-College Tournament and other activities like - Table Tennis; Badminton; Volley ball; Football; Basket ball; Hockey; Cross Country; Cycling; Weight lifting; Power lifting, Swimming and Athletics.

#### Results of the College percentage-wise:

##### April '92

	No. of students APPEARED		No. of students APPEARED		%
	Boys	Girls	Boys	Girls	
I MBBS	12	3	6	1	46
II MBBS	28	27	23	24	85
III MBBS	23	12	9	6	42
M.D.	5	4	3	3	66
M.S.	6	1	6	1	100
Diplomas	1	3	1	3	100

##### October, 1992

	No. of students APPEARED		No. of students APPEARED		%
	Boys	Girls	Boys	Girls	
I MBBS	41	34	34	23	76
II MBBS	14	6	7	4	55
III MBBS	42	27	27	18	65
M.D.	10	9	9	7	84
M.S.	2	1	2	—	66
Diplomas	3	4	2	3	71

#### Publications:

#### DEPARTMENT OF PHYSIOLOGY

1. Differential Role of Ovarian Hormones for Taste

preference in Rats. Indian J. Physio. Pharmacol. Vol. 36(4) Oct. '92.

2. Role of Caudate Nucleus on Modulation of Blood Pressure Responses in cat. Indian J. Physiol pharmacol Vol. 37(1) January, 1993.
3. Effect of interaction between glucose or Sodium Chloride ingestion and ovarian hormones on some endocrine organs in Rats. Indian J. Physiol Vol. 37(1) Jan. '93.
4. Effect of Organ Weight in Rats. Indian J. Physiol Pharmacol Vol. 37(2) April, 1993.

#### DEPARTMENT OF BIOCHEMISTRY

1. Early postnatal under-nutrition impairs protein kinase C-dependent phosphorylation in rat brain synaptosomes.

S. Chakrabarti, B.Sonaya, P.P. Nadkarni and S.V.M. Da Silva. Neuroscience Letters, 150 (1993) 65-67.

#### DEPARTMENT OF PATHOLOGY

1. R.G.W. Pinto, F.Couto, S. Menezes: Idiopathic Eosinophilic Pleural Effusion (A case report) in Indian Journal of Cytology, Vol. 8 & 9, 1991 & 1992 page 22 - 27.
2. R.G.W. Pinto, F. Couto, N.Nadkarni, S. Menezes: FNAC of clear cell carcinoma of lung metastasizing to the inguinal lymph node and subcutaneous tissue (A case report) in Indian Journal of Cytology, Vol.8 & 9, 1991 & 1992, Page 28-31.
3. R.G.W. Pinto, Premila D'Souza, N. Nadkarni, S. Menezes: Fine Needle Aspiration Cytology of Male Breast in Indian Journal of Cytology, Vol. 8 & 9, 1991 & 1992, pages 32 - 34.
4. Rege V.L., Hede R.V., Nadkarni N.S.: Acrokeratosis Verruciformia of Hopf: Indian Journal of Dermatology, Venereol and leprol. 1992: 58: 95-98.

#### Papers presented at Conferences :

1. Indian Association of Pathologists and Microbiologists at AFMC, Pune, 26th to 28th Nov. 1992.
  - i) Acute Infectious Lymphocytosis Masquerading as ALL.
  - ii) Persistent Hyperplastic Primary Vitreous.
2. Indian Academy of Cytology, Conference held

at Pune, 17th to 18th, Jan'93.

- i) Utility of FNAC
- ii) Unusual lesions diagnosed by FNAC.
- iii) Infarction Following Fine Needle Aspiration - A Rare Complications.

#### DEPARTMENT OF MICROBIOLOGY

Cholera epidemic in Goa

Dr. (Mrs.) M.P. Verenkar, Dr. Rodrigues Savio, Dr. Naik V., Dr. M.J.W. Pinto, Dr. Singh Inderjit.

HIV, Hepatitis B & Syphilis among sex workers of Goa, presented at the 2nd International Congress on AIDS in Asia & the Pacific, held between 8-12 Nov., '92.

#### DEPARTMENT OF PHARMACOLOGY

1. Bhandare, P.N.; Rataboli, P.V.; Diniz D'Souza, R. S.; Dhume, V.G. Aggravating action of hydralazine on ethanolinduced gastric lesions. Indian J Physiol Pharmacol, 36/2, 130-132.
2. Bhounsule, S.A.; Diniz D'Souza, R.S. and Dhume V.G. (1992). Protective effect of morphine on ethanol-induced gastric lesions in rats: are ATP-dependent K channels involved? Arch. Int. Pharmacodyn. Ther. 318 (July-Aug) 116-123.
3. Audi M.G.; Hede, S.S.; Diniz D'Souza, R.S. and Dhume, V.G. (1992). A profile of adverse drug reactions to antimicrobials. The Indian practitioner, XLV (II), 899-902.
4. Dhume, V.G. (1992) (in Hindi) 'Experiences of the Department of Pharmacology, Goa Medical College, in Marine Pharmacology research: PP 69 to 73 in 'Drugs from the Sea' ed. Abidi, S.A.H; Dhawan, B.N.; Garg, H.S., Mantri G; and Sharma; published by Department of Ocean Development, Government of India, New Delhi.
5. Rataboli, P.V.; Diniz D'Souza, R.S. and Dhume, V.G. 1993 - Effect of antihypertensive drugs on ethanolinduced gastric lesions: is there a correlation with mucosal blood flow? Indian J. Physiol. Pharmacol, 37(1), 88-90.

#### DEPARTMENT OF DERMATOLOGY

1. Acrokeratosis Verruciformis of Hopf-IJDVL- Published in April, 92.
2. Pemphigus in Goa - sent for publication in Oct.

92 for Journal of Dermatology, Venereology & Leprology.

3. Profile in Genital Sores in Goa - Published in Indian Journal of sexually Transmitted Diseases in May'93.

#### DEPARTMENT OF T.B. & CHEST DISEASES

1. Spontaneous pneumo-mediastinum published in Lung India in 1992.
2. Bilateral spontaneous pneumothorax in a case of osteogenic sarcoma published in Lung India in 1992.

#### DEPARTMENT OF OBST. & GYNAEC.

1. Dr. M.N. Pal : 1) Stuma ovarii - Indian journal of Obst. of Gynaec., Oct. '92. 2) Case report on uterus Diadelphus - Indian Journal of Obst. & Gynaec., April '93.
2. Dr. D.N. Buhariwalla: 1) Three publications in Indian Journal of OBG Gynaecology
3. 2) June'92, Two rare retroperitoneal tumours simulating ovarian tumours. 3) Oct. '92 - Familial occurrence recurrent Propholastic disease.
3. Dr. Anjali Kamat
4. Dr. Prasad Nevrenkar - A case report on uterus Didelphus. The Indian Journal of Obst. & Gynaecology Vol. 43/No.2/April / Pg 301.
5. Dr. Savita Chandra - Demographic features of Tubectomy Acceptor in Goa Chorio Adenoma Destuens.
6. Dr. Milan Bhandare - Review of 140 cases of pre-aclampsia

#### **Information about campus development, construction of new buildings, opening of new subjects :**

The twin objective of academic excellance (at under-graduate/post-graduate medical courses) and administrative satisfaction was achieved for the year 1992-93. A one time increase of 5 seats at MBBS Course was ordered by High Court of Bombay, Goa Bench in the Common judgement in a number of writ petitions against admissions of candidates qualifying the CBSE examination in 1992. It was averred and held that the CBSE had awarded standardisation marks to its candidates giving them an undue advantage over students qualifying the examination of Goa Board. The wave of resentment against CBSE

students still reverbrates throughout the State. The post-graduate teaching programme in various specialities is satisfactory. This has resulted in the recognition of three additional post-graduate degrees of M.D. Obst. & Gynaecology, M.D. T.B. & Chest Disease and M.D. Physiology awarded by Goa University. The Medical Council of India has recommended to the Government of India to include these qualifications in the 1st Schedule of Medical Council of India Act, 1956.

The Affiliation Inquiry Committee of Goa University inspected the College and Department of Obst. & Gynaecology for extension of affiliation to the Diploma in Obst. & Gynaecology and permitted the college to admit 8 candidates in an academic year. Earlier, the Institute of Psychiatry and Human Behaviour was inspected by Affiliation Inquiry Committee of Goa University with a view to extend affiliation to the Institute. Stiff competition in academic pursuits has not dampened the spirit of Goa Medical College students towards extra-curricular activities at the intra or inter-collegiate level. Their performance is commendable especially in Chess and quiz competition.

The MBBS graduates of the College have now been provided an opportunity to register with Goa Medical Council beginning with the batch passing out Final MBBS examination in April'93. This will spare them efforts and money to obtain their registration from Maharashtra Medical Council. The new medical complex now houses most specialities like surgery, Medicine, neurosurgery, Orthopedic Surgery, Ophthalmology, ENT, skin & V.D., Radiology, Anaesthesiology, Blood Bank and clinical Biochemistry. With this relocation, the Panaji hospital is shared by Obstetrics & Gynaecology and Paediatrics. The services at Ribandar hospital are thus discontinued and the building is now given to Goa Dental College & Hospital. The year has also seen the opening of out patients Department of the above specialities at the Rajiv Gandhi Medical Complex at Bambolim.

#### **B - 2 GOA COLLEGE OF PHARMACY, PANAJI - GOA.**

The College was established in the year 1963. It is managed by the Government of Goa to impart instruction in the subjects leading to B.Pharm degree. Post graduate degree and

diploma courses are also conducted by the College. Prof. J. Emmanuel who is also the Professor of Technology is the Principal of the College. As regards hostel facilities, there is one hostel for boys and one for girls.

### Teaching and Research Staff

1. Prof. J. Emmanuel, B.Sc.; M.Pharm.  
Professor & Ag. Principal.
2. Dr. R.V. Gaitonde, M.Pharm; Ph. D.  
Professor.
3. Dr. B.S.Nath, M.Pharm.; Ph.D.  
Professor.
4. Dr. R.V. Tamba, M.Sc.; Ph.D.  
Professor.
5. Shri R.G. Bhatkar, B.Pharm.; M.S.  
Asstt. Prof.
6. Shri D.M. Shingbal, M.Pharm.  
Asstt. Prof.
7. Shri S.D. Phadnis, M.Pharm.  
Asstt. Prof.

**Library :** Text and Reference books - 4137;  
Periodicals - 06; Journals - 35.

### Statistical details regarding the teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93				
				1st	2nd	3rd	4th	
1.	Pharmacy (Technology)	B.Pharm.	4 years	Boys	11	14	08	20
				Girls	18	18	14	14
				Total	29	32	22	34

### Results of the college percentage-wise:

March-April, 1992 (Main Exam)	—	71%
July, 1992 (Supplementary Exam)	—	83%
March-April, 1993 (Main Exam)	—	77%

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

The College, established in 1967, is managed by the Government of Goa to impart instruction in the approved subjects leading to the degree of Bachelor of Engineering (B.E.) in Civil, Mechanical, Electrical, Electronics and Tele-Communications branches. Shri A.K. Srivastava is the principal of the College. The Institute has 4

boys and 1 girls hostel each looked after by a Hostel Superintendent and adequate subordinate staff. The students capacities are 120, 120, 112, 120 & 90 respectively. Students have been actively participating in the hostel affairs. Each of the hostels have elected representatives in the form of General Secretary, Hostel mess Secretary and wing prefects. Hostels II, III & IV and Girls Hostel have messes run on no profit no loss basis by the students and are assisted by one mess superior each.

### Teaching and Research staff:

1. Shri A.K. Srivastava  
Principal.

### Staff of Mechanical Department

1. Prof. G.K. Pacholi, BE(Hons), Dr. Tech. (Badapest) FIE(India) (MIS. M.E.) (MIS T.E.)  
Professor.
2. Dr. R.L. Shanbhag, B.E. (Mech); M.E.; Ph.D.  
Professor.
3. Dr. B.L.N. Shastry, B.E.; M.E. (Mech), Ph.D.  
Professor.
4. U.M. Prabhudessai, B.E.; M.E.(Mech); Auto-  
mobile; M.Sc.; M.Tech.  
Workshop Superintendent.
5. A.R. Naik, B.E.; M.Tech (Mech)  
Assistant Professor.
6. C.S. Hadimani, B.E., M.E. (Mech.)  
Asstt. Prof.
7. A.M.K. Poduval, B.E.(Mech).; M.Sc. (Engg.)  
Asstt. Prof.
8. A.D. Telang, B.E. (Mech); M.Tech.  
Asstt. Prof.
9. U.A. Amonkar, B.E. (Mech); M.E.  
Asstt. Prof.
10. M.G. Kulkarni, M.Sc.  
Lecturer.
11. J.J. Goliwadekar, B.Sc., B.E. (Mech); M.Tech.  
Lecturer.
12. M.H. Dani, B.E. (Mech), M.E.  
Lecturer.
13. V.Mariappan, B.E. (Mech), M.E.  
Lecturer.
14. George Easaw, B.E. (Mech),  
Lecturer.

15. P.M. Bhandankar, B.E. (Mech), M.E. (Mech)  
Lecturer.
16. D.V. Shirodkar, B.E. (Mech)  
Asstt. Workshop Suptd.
17. A.A. Siddiqui, B.E. (Elect)  
Lecturer.

#### Staff of Electrical Engineering Department

1. S. N. Lal, B.E.; M.E.; Ph.D.  
Professor & Head.
2. R. T. Bhagwat, B.E. (Elect); M.E.; Ph.D.  
Professor
3. K.R. Pai, B.E. (Elect), M.Tech.  
Asstt. prof.
4. V.N. Shet, B.E. (Elect).  
Lecturer.
5. V.K. Joseph, B.E. (Elect)  
Asstt. Prof.
6. D.N. Habbu, M.Sc., M.Tech.  
Lecturer.
7. F.A. Rodrigues, M.A.; B.Ed.  
Lecturer.
8. T. Krishnakumari, B.E. (Tech) (Elect)  
Lecturer.
9. G.R. Kunkolienkar, B.E. (Elect)  
Lecturer.
10. Chanda Pathak, B.Sc. (Engg.)  
Lecturer.
11. Jyostna Kamal, B.E. (Elect.)  
Asstt. Prof.

#### Staff of ETC Department

1. K. J. Khatwani, B.E., (M.Tech.), Ph.D.  
Prof. & Head.
2. P. Raja, B.E. (Elect)  
Asstt. Prof.
3. Krishnamurthi Bendre, B.E. (ETC)  
Lecturer.
4. Gurudatta Sardessai, B.E. (E & T.C.)  
Lecturer.

#### Staff of Computer Engineering Department

1. R.P. Adgaonkar, B.E.; M.Tech.; Ph.D.  
Prof. & Head.
2. Laximanarayana J. A., B.E. (Computer Sc.)  
Lecturer.

3. Sanjay A. Bakal, B.E. (ETC)  
Lecturer.
4. Umesh Bapat, B.E. (Computer Sc.)  
Lecturer.
5. Pradosh Dessai, B.E. (ETC); M.M.S.  
Lecturer

#### Staff of Civil Department

1. R.S. Karmarkar, B.E.; M.E. (Civil); Ph.D.  
Prof. & Head.
2. A.M. Deshmukh, B.Sc.M.E. Civil; Ph.D.  
Professor.
3. S.V. Ramachandran, B.E. Civil; M.Sc. (Struc.  
Engg.); Ph.D. Engg. Mech.  
Asstt. Prof.
4. R. Vellingiri, B.Sc.; B.T.; M.Sc.; Ph.D.  
Asstt. Prof.
5. P.D. Pai, B.E. (Civil); M.E. (Civil)  
Asstt. Prof.
6. P.R. Mutgi, B.E.; M.E. (Civil)  
Lecturer.
7. C.S. Gokhale, B.E. (Civil)  
Lecturer.
8. J.P. Bhat, M.A.; Ph.D.  
Lecturer.
9. S.N. Betagiri, B.E. (Civil)  
Lecturer.
10. Roy Charian, B.E. (Civil); M.E. (Civil)  
Lecturer.
11. M. Ramachandran, B.E. (Civil); M.E.  
Lecturer
12. Sreekumar S., B.E. (Civil); M.D.  
Lecturer.
13. K.G. Gupta, B.E. (Civil); M.E. (Civil)  
Lecturer.
14. N.D. Goswami, M.A. (Economics)  
Lecturer.
15. S.B. Sheldarkar, B.E. (Civil); M.Tech.  
Asstt. Prof. in Engg. Sc.
16. Ujwala Padke, M.Sc. (Maths)  
Lecturer.
17. Jaimol Thomas, B.Sc. (Engg.) M.E. (Engg.)  
Lecturer.

**Details of Research/Master students :**

Name of the Research Guide	No. of students Part time	Semester
Dr. B.L.N. Sastry	5	Sem. I
Uday Amonkar	5	Sem. III
Dr. B.L.N. Sastry	5	Project Sem. V.

**List of the students completing Dissertation:**

Guide	Name of student
Dr. B.L.N. Sastry	Shri A. Ferrao
	Shri George Easaw
	Shri N.V. Pednekar
Co-Guide	
Uday Amonkar	Shri Vivek Kamat

**List of passed out students**

- Shri M.H. Dani
- Shri Raghuraman
- Shri S. Acharya
- Shri C.S. Dharey
- Shri V. Marriappan
- Shri Uday Amonkar
- Shri D.V. Shirodkar

**Library:** Total number of text books, reference books, Academic Journals - 36242; Journals - 49.

**Information about the Research Projects completed by the teachers and seminars/workshop held by the College:**

1. Simulation of sequencing Models under the guidance of prof. Uday Amonkar.
2. Process Variability of Banner Cutter (Quality Control) under the guidance of Prof. E. George.
3. Parameter programming of the side structure of bus moving Autolisp by prof. E. George.
4. Mechanical ore handling and transportation through inland waterways by Prof. U.M. Prabhudesai.
5. Inspection and predictive maintenance of pressure vessels and pipings by Prof. U.M. Prabhudesai.
6. Analysis of bucket wheel reclaimer by Prof. U.M. Prabhudesai.
7. Study and design of variable speed drives by

Prof. R. L. Shanbhag.

8. Design for mechanical seals for mechanical machinery and its design aspects by Prof. R.L. Shanbhag.
9. Computer simulation and modelling of a refrigeration unit by Prof. A.M.K. Poduval.
10. Analysis and simulation of I.C. Engine processes by Prof. A.M.K. Poduval.
11. Installation and testing of marine engines and installation of 2 cyl. Kirloskar Diesel Engg. on UTE and its testing by Prof. C.S. Hadimani.
12. Loading in EMS under the guidance of Prof. Uday Amonkar.
13. Analysis of mechanism using DADS by Prof. A.D. Telang & Prof. P.M. Bhandankar.
14. Metal Hydride-An Automotive Fuel by Prof. V. Mariappan.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Course	No. of Students in 1992-93			
				Boys	Girls	Total	
1.	Civil, Mech., Electrical, ETC & Computer	B.E.	4 years	146	29	175	
				S.E.			
				Boys	Girls	Total	
				Civil	27	15	42
				Mechanical	46	—	46
				Electrical	14	05	19
				Electronics & TC	19	04	23
	Computer	23	12	35			
	T.E.						
	Boys	Girls	Total				
	Civil	19	07	26			
	Mechanical	53	—	53			
	Electrical	16	05	21			
	Electronics & TC	19	04	23			
Computer	20	12	32				
B.E.							
Boys	Girls	Total					
Civil	26	05	31				
Mechanical	25	—	25				
Electrical	10	03	13				
Electronics & TC	20	01	21				
Computer	27	07	34				



### Results of the College percentage-wise:

#### July, 1992

	Appeared	Passed	Percentage
B.E. (Civil	47	38	80.85%
(Mechanical)	41	37	90.02%
(Electrical)	21	19	90.04%
(Electronics & TC)	21	19	90.04%

#### December, 1992

B.E. (Civil)	25	18	72.00%
(Mechanical)	07	04	57.1%
(Electrical)	02	02	100%
(Electronics & TC)	03	02	66.66%

#### July, 1993

B.E. (Civil)	40	37	92.55%
(Mechanical)	38	35	92.01%
(Electrical)	17	13	76.00%
(Electronics & TC)	25	23	92.00%
(Computer)	30	30	100%

#### June, 1992

M.E. (Foundation Engg.) Sem. III	10	10	100%
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#### Jan, 1993

M.E. (Industrial Engg.) Sem IV	01	01	100%
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#### July, 1993

M.E. (Foundation Engg.) Sem. III	08	08	100%
M.E. (Industrial Engg.) Sem. IV	04	03	75.00%

**Publications :** Dr. A.M. Deshmukh published following papers :

1. Deshmukh A.M., Rambabu, K.V. (1992) - interaction Analysis of Plane frames by FEM, Indian Ceotechnica FEM, Indian Geotechnical Conference, Feb, 1993 - Calcutta.
2. Deshmukh A.M., Padmokumar (1992) - Influence of Geotextile on strength of Marine Clay-Geosynethetics & Reinforced Earth National Seminar, August, 1992 M.S.U. Baroda.

### B4- NIRMALA INSTITUTE OF EDUCATION, ALTINHO, PANAJI - GOA.

The Nirmala Institute of Education was established in June, 1963. The College is affiliated to Goa University and imparts instruction in courses leading to B.Ed. and M.Ed. degrees. The Institute is run by the Nirmala Education Society. Dr. (Miss) Jennifer Fonseca is the Principal of the College. Hostel facilities for students (only girls) have been provided within the campus by an arrangement with the said society of the Daughters of the Heart of Mary.

#### Teaching and Research Staff:

1. Dr. (Miss) Jennifer Fonseca, B.A., B.Ed., M.Ed., M.A., Ph.D. in Education. Principal.
2. Dr. Valikkodath Verghese Chacko, B.Sc., B.T., M.A., Ed. D, Professor.
3. Mr. Vasant G. Prabhu Lawande, B.A., Dip. Ed., B.Ed., M.Ed., M.A. Lecturer.
4. Mr. Gil Raul Do Rosario Alberto, B.Sc., B.Ed., M.Ed. Lecturer.
5. Miss Beulah Mendez, B.Sc., B.Ed., M.Ed. Lecturer.
6. Miss Sharmila Francisca Veloso, B.Sc., B.Ed., M.Ed., M.A. Lecturer.
7. Mrs. Rhoda Ferrao Almeida, B.A., B.Ed., M.Ed., M.A. Lecturer.
8. Mr. Sergio Carvalho, B.A., B.T., M.Ed. Lecturer.
9. Mr. Nicholas Francis D'Souza, B.A., B.Ed., M.A., M.Ed. Lecturer.
10. Dr. (Miss) Sugandhi Rasquinha, B.A., B.Ed., M.Ed. M.A., Ph. D. in Edun. Lecturer.
11. Mrs. Kunda A. Borde, B.A., M.A., B.Ed., Sahitya Sudhakar M.Ed. Lecturer.
12. Miss Vida Sequeira, B.A., M.A., B.Ed., M.Ed. Lecturer.
13. Mr. Denzil F.M. Martins, B.Sc., B.Ed., M.Ed. Lecturer.

### Details of Research students :

Name of the Teacher	No. of students	
	Jr. M.Ed. + Full-Time	Sr. M.Ed. Part-time
—	5	1

Name of students who have already been declared successful in the Masters examination.

1. Miss Freeda Andrade;
2. Fr. Augusthy M.M.
3. Miss Kathleen Celestine Gomes;
4. Mr. J. Selvens
5. Miss Elizabeth Mascarenhas;
6. Mrs. Tresa A.
7. Mr. Prasad Sawant.

**Library:** Total No. of books - 9972, Periodicals - 24.

Information about the Research Projects completed by the teachers and seminars/workshops held by the College:

A three day workshop on Futuristic Education was organised for the faculty members of our college and three other colleges from the neighbouring States. It was conducted by Dr. B.K. Passi, professor & Head of Department of Education of Devi Ahilya Vishvavidyalaya, Indore.

A one day seminar on 'Goals and Quality in Higher Education' was organised by the college for the Deans, Heads of Department, principals & Lecturers of Colleges of Goa University. Dr. P. R. Dubhashi, Vice-Chancellor of Goa University gave a talk on Goals of Higher Education and Dr. Rama Joshi, former vice-chancellor of the University of Bombay spoke on Quality in Higher Education.

Courses in Konkani Language were conducted for Primary school teachers in collaboration with Thomas Stephen Konkani Kendra, Miramar.

A paper reading seminar was held for the M.Ed. students during which Miss Eutemia Fernandes dwelt upon the topic - Evaluation of the Department of Extension Services of Nirmala Institute of Education 1991-92.

A two day workshop on Effective Communication was conducted for the students by Miss Beulah Mendez.

The Principal, Dr. J. Fonseca and Dr. Sugandhi

Prabhu participated in a workshop on 'Effective Communication' conducted by Dr. Emma Gonsalves at Bangalore.

Mrs. Rhoda Almeida and Miss Vida Sequeira participated on a workshop on 'Women' at Bangalore.

Mrs. Rhoda Almeida and Mr. Gil Alberto gave a lecture at the Academic Staff College. Miss Sharmila Veloso gave lectures to the students of Master of Computer Applications at Goa University.

Dr. Jennifer Fonseca and Mr. Nicholas D'Souza were involved in the revision of the curriculum for students of classes V to VII of Goa. Miss Sharmila Veloso is involved in the activities of the Board of studies (English) for the Goa Board of Secondary and Higher secondary education.

Mr. Gil Alberto conducted a workshop for Mathematics Teachers of Standards VIII to X for the Department of Extension Services; acted as resource person for a workshop on "Refinement of Question Papers for Vocational Teachers of Higher Secondary schools, conducted a one day workshop on "setting on Ideal Question Paper" for teachers of St. Joseph's High School, Arpora.

Mr. Nicholas D'Souza conducted seminars on Interpersonal relationships for four schools. Mr. V.G.P. Lawande, Mr. Gil Alberto, Miss Sharmila Veloso, Mrs. Rhoda Almeida, Mr. Nicholas D'Souza and Mr. Kunda Borde acted as resource persons at a workshop on 'Assignments' and Mr. Sergio Carvalho acted as a resource person at a workshop on Environment, conducted by the Department of Extension Services of the College.

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

**Orientation Day:** At the beginning of the academic year the B.Ed. students participated in a one day programme which was an imitation into effective leadership and team work. The students also drew up the vision of Nirmala Institute of Education for 1992-93.

**Spiritual Programmes :** The Eucharistic celebration and a prayer service were conducted almost every month. A one day Self-Renewal programme was organised for the Catholic students. We were privileged to honour our Lady and deepen the devotion to her when the Statue of our Lady of Fatima was brought to Nirmala

Institute of Education in the month of November.

The following were some of the activities carried out by the students:

1. Classroom Research Studies
2. Street plays in Pernem on ill effects of tobacco and dowry.
3. Visit to Sanjay School for the handicapped.
4. Naming of trees on the Campus
5. Live-in session for inter-religious studies.

**Curricular Activities:**

The students visited four Homes for the Aged where they served and entertained the inmates. They also entertained the inmates of the Department of Psychiatry and Human Behaviour, Panaji.

Dr. Ashwin Kumar and his team and Mr. Jovito Lopes gave a session on Malaria as well as arranged an exhibition on the same.

Celebrations were held on various occasions such as Independence Day, Teachers Day, Ganesh Chaturti, Women's Day, Liberation Day, Republic Day, Christmas Day and Nirmala Day. The highlight of the Christmas celebrations was the live crib competition which brought out the true meaning of Christmas in the Indian setting or otherwise. Our students won the first prize at the Carol Singing Competition organised by Fr. Agnel College, Pilar.

**Women's Cell 'Shakti'** : The Women's Cell Shakti was inaugurated by His Lordship, Archbishop Raul Gonsalves on 22nd August, 1992. The Cell organised the following activities:

1. Talk on Women and Law by Advocate Subhalaxmi Naik.
2. Visit to St. Bridget's Institute which caters to the development of Women mainly through a formal system of education.
3. Talk on AIDS by Dr. Jose D'sa.
4. Two day seminar on 'Problems faced by women and measures to overcome them'.

**Statistical details regarding teaching course and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93	
1.	Education	B.Ed.	One Year	Boys	14
				Girls	83
				Total	97

					Jr.	Sr.
2.	Education	M.Ed.	Two year	Boys	1	2
				Girls	—	—
		M.Ed.	One year	Boys	1	
				Girls	2	
				Total	3	
				Grand Total	4	2=6

**Results of the College percentage-wise:**

April, 1992	Appeared	Passed	Percentage
B.Ed.	99	94	95%
M.Ed.	4	4	100%
April, 1993	Appeared	Passed	Percentage
B.Ed.	97	96	99%
M.Ed.	7	7	100%

**B-5 GOA COLLEGE OF FINE ART, ALTINHO, PANAJI - GOA.**

This is a Government of Goa Institute established in June, 1972 and imparts instruction in approved subjects leading to B.F.A. (Paintings) an B.F.A. (Applied Art) degrees. Prof. A.S. Deo is the Principal of the college. The college provides hostel facilities in 'D' type Govt. flat at Altinho, Panaji for boys students and girl students have been accommodated in Govt. Polytechnic and Pharmacy College Girls Hostel.

**Teaching and Research Staff:**

1. Prof. A.S. Deo, G.D.Art  
Principal
2. Shri S.R. Borkar, G.D. Art (Ptg. & Com.)  
Lecturer A.M.D.
3. Shri A.H. Faroqui, G.D. Art  
Lecturer
4. Smt. Rohini Kakode, G.D. Art  
Lecturer
5. Shri D. Harihar, G.D. Art; A.M.D.  
Lecturer & Incharge of Painting Dept.
6. Shri K.S. Viswambhar, Diploma in Art & Craft;  
Diploma in Music.  
Lecturer.
7. Shri S. P. Chendvankar, G.D. Art, A.M.D.  
Lecturer.
8. Shri H.R. Kambli, B.F.A. Ptg; M.F.A.  
Lecturer.

9. Sri M.M. Chodankar, B.F.A. Ptg; M.F.A. Lecturer.
10. Shri D.G. Singbal, B.F.A. Ptg. Lecturer
11. Shri D.V. Navelkar, G.D. Art (Ptg. & Com.) Sr. Lecturer & Head of Applied Art Department
12. Shri A.R. Shirodkar, B.A., G.D. Art Lecturer
13. Shri Anthony D'Souza, B.F.A. Applied Art Lecturer
14. Shri M. Vengurlekar, B.F.A.; Applied Art. Lecturer
15. Shri Rajeev Shinde, B.F.A. Applied Art Lecturer.
16. Shri Domnic Cordo, B.F.A. Applied Art Lecturer.
17. Smt. S. Prabhudesai, B.F.A. Applied Art Lecturer
18. Shri Willy Goes, B.F.A. Applied Art Lecturer

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

College actively participated in Inter-Collegiate sports, cultural activities, etc.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students				
				1st	2nd	3rd	4th	5th
1.	Bachelor of Fine Art and Applied Art.	B.F.A. Painting/	5 years (Boys)	28	27	28	15	22
		Applied Art.	(Girls)	12	12	10	14	11

**Results of the College percentage-wise.:**

Course	Oct-Nov. 1992		March-Apr. 1993		%ge
	Appeared	Passed	Appeared	Passed	
B.F.A.					
Painting	Nil	13	13		100%
B.F.A.					
Applied Art	Nil	20	18		90%

**Publication : Nil.**

Information about campus development, construction of new buildings, opening of new subjects, course programmes:

Implimentation of academic programme as per Goa University syllabus. Encouraged students and staff for active participation in academic and curricular activities. Staff and students are also actively participating in various open art exhibitions. The staff is invited to give lectures on art to other co-educational institutions. Thus overall performance of the college is promising and growth of the institution.

**B-6 MAHADEVRAO SALGAOCAR COLLEGE OF LAW, MIRAMAR, PANAJI - GOA.**

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

The College is managed by the Devi Shreevani Education Society, Vasco-Da-Gama. Shri Moreshwar Narayan Samant is the Principal of the College.

**Teaching and Research Staff:**

1. Moreshwar N. Samant, B.A., LL.M. Principal.
2. Shri Leonido Rodrigues, B.A. LL.B. Professor
3. Amrut Shivram Kansar, B.A., LL.M. Professor
4. Suresh Dinanath Lotlikar, B.A., LL.M. Professor
5. Gurudas K. Tamba, B.A., LL.B. Professor
6. Ravindranath V. Kunkolikar, M.A. (double), LL.M. Professor.
7. Shashank A. Samant, B.A., LL.M. Professor.
8. Ranjit D. Satardekar, B.A., LL.B. Professor.

**Library:** Total number of text books - 2390; Reference books - 5000; Periodicals - 2479; Academic Journals; Legal Foreign - 09; General Periodicals - 13.

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

**Achievement in Sports :** This College won the Championship in Inter Collegiate Volley Ball.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree	No. of Students in 1992-93			
				1st yr.	2nd yr.	3rd yr.	
1.	Law	LL.B.	3 years	Boys	167	46	5
				Girls	80	36	9
				Total	247	82	60

**Results of the college percentage-wise:**

April, 1992-50%

October 1992 56.66%

April, 1993 - Not yet declared.

**B - 7 VIDYA VIKAS MANDAL'S GOVIND RAMNATH KARE COLLEGE OF LAW, MARGAO - GOA.**

The College was established in June, 1979. It is run by Vidya Vikas Mandal and imparts instruction in the approved subjects leading to LL.B. degree. Shri Arun S. Nadkarni is the Principal of the College.

**Teaching and Research Staff:**

1. Shri A.S. Nadkarni, M.A.; LL.M. Principal
2. Shri Carmo D'Souza, B.Sc; M.Sc.; LL.B; LL.M. Lecturer
3. Shri J.G. Prabhudessai, B.A; LL.M. Lecturer (Part time basis)
4. Shri T. Jaques, B.Sc.; LL.B. Lecturer (Part time basis)
5. Shri M. J. Antao, B.A; LL.B. Lecturer (Part time basis)
6. Smt. Sarojini Da Costa, M.A.; LL.M. Lecturer (Part time basis)
7. Shri C.A. Couthino, B.Sc; LL.M. Lecturer (Part time basis)
8. Shri Amarao Henriques, B.A; LL.M. Lecturer (Part time basis)

**Library :** Total number of text books, reference books, periodicals and academic journals in the Library as on 20.4.1993.

Library Books -	3,646
Reference Books -	1,005
Periodicals —	17
Journals —	4

Information about the Research Projects completed by the teachers, and Seminars/Workshops:

A seminar was held on Ayodhya Issue.

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

The College participated in various inter-collegiate sports like:

Badminton Tournament, Table Tennis Tournament, Football Tournament, and our student NAIK DESAI SURENDRA won SILVER MEDAL in Power Lifting Championship.

**Statistical details regarding teaching programme and students :**

Sr. No.	Branch of study	Degree to be awarded	Duration of Course	No. of Students in 1992-93			
				1st yr.	2nd yr.	3rd yr.	
1.	Law	LL.B.	3 years	Boys	101	22	20
				Girls	40	19	8
				Total	141	41	28

**Results of the College percentage-wise.:**

April/May, 1992

	Appeared	Passed	Percentage
1st LL.B.	86	31	36%
2nd LL.B.	37	18	49%
3rd LL.B.	28	11	39

October/November, 1992

	Appeared	Passed	Percentage
1st LL.B.	56	19	33.93%
2nd LL.B.	19	5	26.32%
3rd LL.B.	15	5	33.33%

April/May, 1993

	Appeared	Passed	Percentage
1st LL.B.	92	28	30.43%
2nd LL.B.	32	11	34.37%
3rd LL.B.	Not yet declared.		

## **B-8. GOA DENTAL COLLEGE & HOSPITAL, BAMBOLIM.**

The Goa Dental College & Hospital is run by the Government of Goa. It was established in June, 1989. Dr. K.P. Kamat is the Dean as on 1-7-1992 and Dr. R.K. Singh, Dean as on 20-4-1993.

Hostel facilities: The Institution does not have its own hostel facilities. However, the hostel facilities of Goa Medical College are being availed for accommodating students, boys and girls requiring hostel accommodation of this college.

### **Teaching & Research Staff:**

- I. Department of Prosthodontics and Dental Materials:
  1. Dr. R. K. Singh, B.D.S.; M.D.S.  
Dean & also  
Professor of Prosthetic Dentistry.
  2. Dr. Meena A. Aras, B.D.S.; M.D.S.  
Asstt. Professor in  
Prosthetic Dentistry
  3. Dr. Vidya Chitre, B.D.S; M.D.S.  
Lecturer in Prosthodontics
- II. Department of Periodontics:
  1. Dr. C.M.W. Franco, B.D.S.; M.D.S.  
Assistant Professor  
in Periodontia.
  2. Dr. Jyothi R. Rao, B.D.S.; M.D.S.  
Lecturer in Periodontics
  3. Dr. Amita Kenkre, B.D.S; M.D.S.  
Lecturer in Community Dentistry
- III. Department of Conservative Dentistry:
  1. Dr. K.P. Singbal, B.D.S; M.D.S.  
Professor of Operative Dentistry
  2. Dr. Ida de Noronha, B.D.S.; M.D.S.  
Asstt. Professor in Dentistry
  3. Dr. Sanjay Tewari, B.D.S.; M.D.S.  
Lecturer in Operative Dentistry
- IV. Department of Oral & Maxillo Facial Surgery:
  1. Dr. Pascal Pinto, B.D.S.; M.D.S.  
Lecturer in Oral Surgery
  2. Dr. Praveen Sharma, B.D.S.; M.D.S.  
Sr. Resident
  3. Dr. R.B. Kamlakar, B.D.S.  
Demonstrator

- V. Department of Oral Pathology/Microbiology and Dental Anatomy:
  1. Dr. Anita Eillen Spadigam, B.D.S; M.D.S.  
Lecturer in Oral Pathology.
- VI. Department of Oral Medicine and Radiology:
  1. Dr. A.D. Dinkar, B.D.S.; M.D.S.  
Asstt. Professor in Oral Medicine  
Diagnosis & Radiology.
  2. Dr. Seema Angle, B.D.S.  
Lecturer in Radiology
  3. Dr. Ivy Fernandes Coutinho, B.D.S.  
Lecturer
- VII. Department of Orthodontics:
  1. Dr. P.K. Chandra, B.D.S.; M.D.S;  
Professor of M.D.Sc. (Orthodontics &  
Orthodontia. & Preventive Dentistry)
  2. Dr. Nandini Kamat, B.D.S.  
Lecturer in Orthodontia
- VIII. Department of Pedodontia:
  1. Dr. Samir Dutta, B.D.S.; M.D.S.  
Asstt. Professor in Pedodontia.
  2. Dr. Ana Karina Mascarenhas, B.D.S.  
Lecturer in Pedodontia
  3. Dr. Juliana D'Costa, B.D.S.  
Lecturer in Pedodontia.

**Library :** Total number of text books, reference books, periodicals and academic journals in the library as on 20-4-1993:

Total number of text books in Library	711
Total number of reference books	674
Total number of Periodicals	12
Total number of Academic Journals	69

Information about the Research Projects completed by the teachers, and seminars/workshops held by the Colleges:

Various departments have been carrying on different research projects and preparing papers to be presented at the conference. Every fortnight if not weekly seminars, case presentation and paper presentations are held in the college.

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

The Institution participated in inter-collegiate Sports. On the cultural front traditional fresher's

welcome party was organised, Ganesh festival was celebrated with gaiety. Various competition held during Ganesh Festival had good response from the students community. Annual Social Gathering was held in Dinanath Mangeshkar hall at Kala Academy, Campal, Panaji.

**Statistical details regarding teaching programme and regarding students as on 1st October, 1992:**

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students				
				1st yr	2nd yr	3rd yr	Sem. I	Sem. II
1.	Dentistry	B.D.S.	Four yers.					
			M	11	9	11	8	2
			F	15	16	24	7	11
			Total	26	25	35	15	13

**Results of the College, percentage-wise, in respect of the Final Year University Examination :**

(Results of the examination of March-April, 1993):

- 1. March - April 1992 92%
- 2. October-November, 1992 77%
- 3. March - April, 1993 93%

Information about the campus development, construction of new buildings, opening of new subjects, course programme:

Construction of New College Building work has already been commenced and is expected to be completed with in two years period.

**B-9 GOA COLLEGE OF ARCHITECTURE, MIRAMAR, PANAJI - GOA**

This is a Government College, which was established in June, 1982, to impart instruction in the approved subjects leading to B.Arch. degree. Shri S.G. Torney is the Principal of the college. 8 students of IIrd and IIIrd year have been allotted Hostel accommodation in flat at St. Inez, Govt. Quarters.

**Teaching and Research Staff:**

- 1. Mr. S.G. Torney, Principal. G.D. Arch., F.D. Arch., F.I.I.A., Industrial Architecture V.R.C.E. Nagpur, International Course in Development in Housing, C.B.R.I. Roorkee.

- 2. Mr. V.R. Ambatkar, Asstt. Prof. B.Arch. (NGP); M.Arch. I.I.T. (K.G.P.); Course on Pedagogy in Architecture arranged by Council of Nagpur; Course in Air Port Planning Services in multisteried Bldg., and services, vigilance procedure.
- 3. Mr. A.R.A. Antao, Asstt. Professor. Diploma in Architecture
- 4. Mr. V.C. Fernandes, Lecturer. B.Arch.; Course on Planning for the informal sector in Metropolitan Cities. (SPA-New Delhi)
- 5. Mr. Ashish Rege, Asstt. Prof. B.Arch.; M.Planning (Housing)
- 6. Mrs. Madhavi Dixit Navare, Asstt. Prof. B.Arch.
- 7. Mr. Lawrence Rodrigues, Dip. Arch. Lecturer.
- 8. Miss Zeenat Andani, B.Arch. Lecturer.
- 9. Mr. Roy D'Souza, B.Arch. Lecturer.
- 10. Mr. Sanjay Belurkar, B.Arch. Lecturer.
- 11. Miss Salvin Goes, B.Arch. Lecturer.

**Library :** Total No. of text books, reference books, periodicals and academic journals - No. of Books 3600; Journals - 16.

N.C.C., Sports, Debates, Cultural Activities, N.S.S, Education and Extension works etc.:

**Sports:** College participated in inter-collegiated games such as Cricket, Table-tennis, Badminton.

**Cultural Activities:**

- 1. Participated in Allocation Competition organised by G.V.M.S. Ponda and won first prize Mr. Vinayak Bharne and Mr. Gaurish Wagle.
- 2. Students also participated in Razz Matazz Dance Competition.
- 3. Participated in Youth Festival organised by Dhempe College and got IVth place.

4. Participated UNIGO Youth Festival organised by Goa University and got third place.
5. Participated in Happening Cultural Youth Festival activities organised by Goa Engineering College, Farmagudi and got 2nd place.
6. Participated in Quiz Competition organised by Grace Youth Association.
7. Participated in National Orator Context won by Mr. Vinayak Bharne held at Hyderabad.

**NASA:** Deligation of 30 members attended the National Association of Students of Architecture (NASA) convention held at Bhuvneshwar and were awarded 3 citations.

The College also hosted pre Council meeting in December, 1993.

#### Results of the College percentage-wise:

Subjects	March/	Oct/	March/
	April	Nov.	April
	1992	1992	1993
Professional practice	100%	100%	100%
Working Drawing	100%	—	—
Building Services	100%	—	—
Specification & Material	100%	—	—
Elective - I	100%	100%	100%
Elective - II	100%	100%	100%
Design	100%	100%	100%

**Publications :** The College published their Magazine during the year 1992-93.

Information about campus development, construction of new buildings, opening of new subjects, etc.:

The College is functioning in Home Science Building. This College has taken from Government 20,000 Sq. Mtrs. area at Dona Paula where demarkation of Compound hall designed by Chief Architect will be executed shortly and building plan is designed in the office of Chief Architect.

#### B-10. KALA ACADEMY COLLEGE OF MUSIC, PANAJI - GOA.

The Kala Academy College of Music at Campal was established in 1987 by Government of Goa. It is temporarily affiliated to the Goa Uni-

versity to impart instruction in Indian Classical, Vocal and Instrumental Music leading to the degree in Bachelor of Music, which is a five year course of study. Shri C.S. Naringrekar is the Principal of the College. The college does not provide hostel facilities.

#### Teaching and Research Staff:

1. Shri C.S. Naringrekar, M.A. (Philosophy) Principal. M.A. (Sitar)
2. Shri S. S. Karandikar, Sangeet Alankar Lecturer (Vocal Music) (Vocal) ABGMV
3. Shri Manab Das, M.Music (Sitar) Visva Bharati Santiniketan Sangeet Alankar Lecturer (Sitar)
4. Shri H.Burli, Sangeet Praveen (Vocal) Lecturer (Vocal)
5. Shri Ulhas Velingkar, B.Grade of AIR Lecturer (Tabla)
6. Shri P. Chari Lecturer (Tabla) — (on contract basis)

#### Library:

There is no separate library for the College of Music. All the relevant text books/reference books/periodicals/academic journals are provided to the college students by the Kala Academy Library.

#### Statistical details regarding teaching programme and students :

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree Course	No. of Students in 1992-93				
				1st yr.	2nd yr.	3rd yr.	4th yr.	5th yr.
1.	Sitar	B.Music (Sitar)	5 Yrs. Boys	—	—	—	—	—
			Girls	1	2	—	2	1
2.	Tabla	B.Music (Tabla)	5 yrs. Boys	6	4	1	4	1
			Girls	—	—	—	—	—
3.	Vocal Music	B.Music (Vocal)	5 yrs. "Boys	3	—	3	2	1
			Total	14	8	4	8	2

There had been a very good response for the admission in the College of Music compared to last year. Only those students who passed the aptitude test have only been admitted.



Altogether there are four lecturers on regular basis i.e. two for Vocal, one for Sitar and one for Tabla and one Lecturer (Tabla) on contract basis. As usual classes for English, Hindi and Art Appreciation (Painting, Sculpture, Dance and Drama) are being engaged by Visiting Lecturers.

The College of Music had organised Workshop on Dhrupad music which has an ancient tradition in our country. Dhrupad was presented by Gundeachea Brothers from Bharat Bhavan, Bhopal. Dr. Ritwik Sayal's Dhrupad Workshop was also held. Dr. Alka Dev Marulkar of Pune conducted a workshop on classical music for five days. She also presented a concert.

Ms. Vaishali Kagalkar stood first class first and was awarded Vilasini Pundalik Rane Award.

For the academic year 1992-93 2 students appeared for Vth Year (Final) exams i.e. Ms. Vaishali Kagalkar and Ms. Vandana Bhonsle and passed with first class results.

The students of College of Music also presented Choir programme at the time of Prime Minister's visit to Goa University, Taleigao.

Action; Bombay Hospital Journals and the Nursing Journal of India.

Information about the Research projects completed by the teachers and seminars/workshops held by the College:

Conducted one workshop on Communication & Counselling for the B.Sc. Nursing College students.

Results of the College percentage-wise: College started functioning w.e.f. 16/8/93.

Information about campus development, construction of New buildings, opening of new subjects :

New building at Bambolim is under construction.

**B - 11. INSTITUTE OF NURSING EDUCATION, ALTINHO - PANAJI - GOA.**

The institute of Nursing Education, established in August, 1993 is run by the Directorate of Health Services, Campal, Panaji - Goa. Miss Jyoti Tiwari is the Principal of the College. No Hostel facilities are provided by the College.

**Teaching and Research Staff:**

1. Miss Jyoti Tiwari, B.Sc. Nsg., M.Sc.Nsg.,  
Principal M.A.(Sec) (Carbotherecis  
Nsg., P. Graduate Nsg.,  
Adm. Mngt.)
2. Mrs. Carol Noronha, B.Sc., Nsg., M.Sc.Nsg.  
Lecturer.
3. Mrs. Lucy D'Souza, RNRM, Dip. in Sr. Tutor,  
Sr. Tutor P.B. B.Sc.,Nsg.
4. Miss Evita Almeida, B.Sc., Nsg.  
Clinical Instructor

**Library :** Total number of text books - 1420; Periodicals and Academic Journal are Times of India and Navhind Times. Magazines - Care; Health, Family Planning Association of India; Health

**C-1. XAVIER CENTRE OF HISTORICAL RESEARCH, ALTO PORVORIM**

Xavier Centre of Historical Research is an autonomous registered society with its aims and objective of promoting research and publications in history with special emphasis on the Portugues period church in India, and third world issues.

Xavier Centre of Historical Research was established in the year 1978. It is recognised by the Goa University on temporary basis as Post Graduate Institute for historical research and for guiding students for research leading to the degree of Ph.D. in History (GU/EC-LIC/86/37 dated 4th April, 1986). Permanent recognition granted by GU/Recog. Instt/3/93/3943 dated 16/6/93 following clearances by the Academic Council on 29th April and by Executive Council on 28th May, 1993. Rev. Dr. Teotonio R. de Souza has been the Director since 1978. Hostel facilities consist of only three Guest Rooms for Individual scholars working on a specific research project and wanting to consult research material housed at the Institute.

**Research and Library Staff:**

1. Dr. Teotonio R. de Souza, M.A., Ph.D.  
Director
2. Dr. Charles J. Borges, M.A., Ph.D., B.Lib. Sc.  
Assoc. Director
3. Fr. Delio Mendonca, M.A.  
Administrator and Treasurer

4. Mrs. Lilia Maria D'Souza, B.A., B.Lib. Sc.  
Librarian
5. Mr. Alex pires  
Library Assistant
6. Ms. Pratibha Shiv Shanker, M.A.  
Library Assistant
7. Mrs. Teresa Fernandes, B.A.  
Portuguese Tutor (Part time)

#### **Doctoral Research:**

Dr. (Mrs.) Maria Fatima Gracias and Dr. (Miss) Celsa Pinto have obtained their doctorates in history in November 1992 under the guidance of Dr. Teotonio de Souza. Their topics were "Health and Hygiene in Goa, 1510-1961" and "Portuguese India and its country trade in the late eighteenth - early nineteenth centuries", respectively. Mrs. Philomena Antony is yet to submit her thesis.

Mrs. Philomena Sequeira Antony has submitted her synopths on the topic "Relations between Portuguese India and Brazil = Sixteenth to Nineteenth Centurites".

#### **Staff Research Activities:**

Dr. Teotonio R. de Souza, the Director: Delivered a guest lecture on "Church History of Asis from a Third World perspective" at the South Asis Institute of the University of Heidelberg (Sept. 7, 1992) during the course of his five-month study tour in Europe (April - Sept, 1992); Lectured on "Columbus and Discoveries" at the Centre of Latin American Studies, Goa University; presented a paper on "Hajj without spice?: Politics of Religion between Akbar and the Portugues"; spoke to the participants at the Course organised for tour guides in Goa; participated in the seminar on "Europe and its other 1442-1992", and also in a Coloquim organised by the Portuguese Embassy in New Delhi on "Encounter between Portugal and India".

Dr. de Souza is the Convenor of the 7th International seminar on Indo-Portuguese History (ISIPH) slated for January 1994 in Goa. About 50 delegates are to attend the proceedings and 30 will be present as observers. The Fundacao Calousie Gulbenkian, the Fundacao Oriente (Lisbon), and the Portugues National Commission for Commemorating the Portuguese Dis-

coveries are assisting financially. He has been asked by the Heythrop College, University of London, to head the Asis section for the "Dictionary of Christian Biography". Teotonio is co-authoring with three other Latin American scholars a book on a history of Christianity from the Third World perspective to be published in Latin America. Fr. Teotonio will write on the Asian situation. Fr. Teotonio is also collaborating in the project of Biographical Dictionary of Christian Missions, an ecumencial project under general editorship of Gerald H. Anderson in U.S.A.

Dr. de Souza spoke at the Academic Staff College, Goa University; was interviewed by Goa Today for his Comments on the Konkan Railway issue; nominated to the Board of Advisors (Medieval History) of the Indian National science Academy; was nominated Fellow of Institute Menezes Branganza at a ceremony on 16th April, 93. He spent three months in Portugal and Germany on research in the archives three and spoke on "The Portuguese Presence in the Goan Folklore" at an international seminar organised by the Universidade Nova de Lisboa.

Dr. Charles J. Borges took over as Associate Director, XCHR, from May, 1993. He conducted a three-day seminar on "The History of the Society of Jesus in India" for Jesuits at Bangalore. He attended the seminar on "The Political and Administrative Institutions in Goa through the Ages", and read a paper "The Estado da India and its use of the Church as an Administrative Helpmate". Delio Mondonca wrote a dissertation entitled, "The Suppression of the Konkani Language: A study of the Alvara of D. Francisco de Tavora" as part requirement for his M.A. degree in History at the Goa University.

**Library:** The XCHR - Sussen Historical Research Library has now a total of over 13,000 books (housed in 98 steel book-cases), 200 cyclostyled volumes of government reports and seminars papers, and 125 volumes of xeroxed archival material. The section on cartography consists of 25 books and about 150 loose maps. The journal section contains about 200 titles, some of them now out of print, and includes many newsletters.

A special language section consists of dictio-

naries, grammars and readers in Portuguese for the courses held at the XCHR, Computer printouts of Indexes are available to members of the library. The computerisation of books and journals for ready reader reference is in progress. A plain paper copies and a microfilm reader are of use to readers.

Donations of books came from the late Dr. J.A. Ismael Gracias (Lisbon), the Fundacao Calouste Gulbenkian (Lisbon), and the Indian Council of Historical Research (New Delhi). The Centre is indeed grateful to the Instituto Cultural de Macau for publishing the tenth in the XCHR Series Jesuits in India: In Historical perspective (1992). The Jesuit Goa Province and the XCHR Community have financially supported our ventures.

**Seminar:** A national seminar on "Discoveries, Missionary Expansion and Asian Cultures" was organised at Baga Xavier Retreat House from November 18-20, 1992 with participation of 20 scholars and social activists, plus 11 observers. The seminar was held to mark 500 years of "discoveries" and to reflect on its impact on Asia in particular.

#### **Portuguese Language Courses:**

These were held as usual at the basic level in October and May of 1992-93 with Mrs. Teresa Fernandes as tutor. These month-long courses are popular with researchers, teachers and college students.

#### **Publications:**

1. Teotonio R. de Souza and Charles J. Borges (eds.). Jesuits in India : In Historical Perspective. Macau: Instituto Cultural de Macau, 1992.

**De Teotonio de Souza's articles:** "Chruch Card or People's Card in Goan Politics", Boletim do Instituto Menezes Branganza, No. 166 (1992), pp. 41-54.

"500 Years After : From the New World to the New World Order" Boletim do Instituto Menezes Branganca, No. 167 (1993), pp. 135-141.

"Christianization and Cultural Conflicts in Goa 16th - 19th centuries", Missionacao Portuguesa e Encontro de Culturas, Universidade Catalica Portuguesa, Braga, 1993, Vol. IV, pp. 383-393.

**Dr. Charles Borges' articles:** Review of in Quest of Freedom by James Fernandes, and "Sixth International Seminar on Indo-Portuguese History, Macau, 22-26 October, 1991". Indica 29 (no. 1, 1992), p 59-60, 71-72.

Religious Orders and the Estado da India: A Balncing Act". Goa's External Relations. Ed. P.P. Shirodkar, Panaji: Rajhauns, 1992, p 22-31.

#### **C-2 GOA INSTITUTE OF MANAGEMENT STUDIES**

Name of the Affiliated Institution: Devi Shreevani Education Society's Goa Institute of Management Studies.

Name of the Society which runs the Institution: Devi Shreevani Education Society.

Date of Establishment of the Institute: 1977 (June)

Name of the Director in position as on 1-7-1992 and 20-4-1993: Shri S. Narasimha Raj.

#### **Teaching Staff of the Institute:**

Diploma in Administrative Management:

1. Shri Savari Muthu, B.Sc.; D.A.M.; ICWAI
2. Shri Vijay S. Hede, B.Tech; D.S.M.
3. Shri Vinay Raykar, M.S.W; LL.B.
4. Shri Anant Prabhu, B.Sc; A.C.S.
5. Shri S. Narasimha Raj, B.Sc.; B.E: F.I.E.
6. Shri G.B. Halkar, M.S.W.; D.PMIR
7. Shri P.K. Lele, B.A; M.S.W.; LL.B.
8. Shri Arvind Thakar, MBA(NDRI)
9. Shri A.A. Pacheco
10. Shri P.R. Mahambre, M.Sc.
11. Smt. Laxmi Ramaswamy, A.M.I.E.

Diploma in Business Management:

1. Prof. G.G. Bhakle, M.A.; LL.B.
2. Shri S. Narasimha Raj
3. Shri K.N. Lawande, B.A (Hons); M.H.S; IEIW
4. Shri Savari Muthu
5. Shri Vijay S. Hede
6. Shri V.K. Iyengar, B.Com; AICWA; ACS, DMA
7. Smt. P.D. Dhond, B.A; LL.B.
8. Shri P.K. Shetye, B.Tech.;DBM;

9. Shri V.K. Iyengar
10. Shri K.D. Bhat
11. Shri Vaidya
12. Shri Arvind Thakar
13. Shri A.A. Pacheco.

**NOTE:** All the Faculty except Shri S. Narasimha Raj are visiting faculty, We also have distinguished professionals 'coming in' as Guest Faculty.

**Library** - No. of books, periodicals, etc. as on 24.4.1993 around 2,800.

Information of Research Projects, Seminars/Workshops held by the Institute: Four students of D.B.M. Course submitted their Project Reports as part of their course requirement.

During 1-7-1992 to 20-4-1993, six HRD programmes were put through.

Programme/ W.W.	Organisation/ Groups	Levels Covered
1. EDP Officers	Goa Shipyard Ltd.	55 Officers covered in 4 batches
2. Project Appraisal	GDDIDC, Goa	20 Officers
3. Office Management & Secretarial Practice	Heterogenous	14 office and Secretarial personnel.
4. Personality Development & effective communication skills	Heterogenous	13 from industries, Offices/Individuals
5. H.R.D. Programme on Trade Union topics	Hotel LaPaz Gardens	20 office Bearers of Employees Union.
6. Finance for non-finance executives	Heterogenous	16 executive from Industries/ ORGANISATIONS.

**NOTE:** Programme at Sl. No. 1 was of 6 days: Sl. Nos. 2 & 6 were of 2 days each:  
Sl. Nos. 3 & 4 were of 3 days each:  
Sl. No. 5 was of 4 days.

Statistical details regarding teaching programme as on 1-10-92 (No. of participants of course:

D.A.M. - Male : 18, Female : 7 (25)

D.B.M. - Male : 20, Female : 6 (26)

12. Results - percentagewise - of G.U. Examinations held in June, 1993, being the final for 92-93 course :

D. A. M. : 25 %

D.B.M. : 15 %

13. Publications etc. Nil.

14. Information about campus etc:

Good rapport with Industries & Organisation We also conduct Diploma Course in Travel & Tourism Management and in Personnel Management & Industrial Relations.

### C-3 VIDYA VIKAS MANDAL'S INSTITUTE OF MANAGEMENT TRAINING AND RESEARCH

The Institute which was established in June 1981 is run by the Vidya Vikas Mandal. It was recognised by the Goa University for conducting post-graduate part-time one year courses in Management leading to DBM and DAM diplomas. Shri R. Bala Chandran Nair is the Director of the Institute.

#### Teaching and Research Staff:

1. Shri R.B. Nair, M.Com. Director.
2. Shri A.S. Nadkarni, M.A., LL.M. Lecturer.
3. Shri V.D. Bhat, C.A. Lecturer.
4. Shri V.G. Patil, M.Sc. Lecturer.
5. Shri A. Thaker, MBA Lecturer.
6. Shri R.D. Dalvi, M.Com., LL.B. Lecturer.
7. Shri Suresh Rao, MBA., LL.B. Lecturer
8. Smt. G. Philips, M.Com. Lecturer.
9. Miss F. Rebello, M.A. Lecturer.
10. Smt. Susan Joseph, M.Com. Lecturer.

**Library :** Text books, Reference books, periodicals and Academic journals - 515.

Information about the research projects completed by the teachers and seminars/workshops held by the College:

Training in Hospitality Management for Officers of Goa Tourism Development Corporation Sponsored by Govt. of Goa.

Training in Public Distribution System for Officers of Civil Supplies Department sponsored by Ministry of Food Govt. of India.

Sr. No.	Branch of study	Degree to be awarded	Duration of Degree	No. of Students in 1992-93		
				Boys	Girls	Total
1.	Management	D.B.M.	1 year	15	5	20
2.	Management	D.A.M.	1 year	14	3	17

**Results of the college percentage-wise :  
May/June 1992**

	Registered	Appeared	Passed	Percentage
D.B.M. Sem. I	4	2	—	—
Sem. II	14	7	2	28.57%
D.A.M. Sem. I	4	2	1	50.00%
Sem. II	12	10	—	—
Dec./Jan, 1993.				
D.B.M. Sem. I	18	15	3	20.00%
II	4	2	2	100.00%
D.A.M. Sem. I	17	12	4	33.33%
II	6	3	1	33.33%

**C - 5 DIRECTORATE OF ARCHIVES,  
ARCHAEOLOGY & MUSEUM,  
PANAJI - GOA**

**Teaching and Research Staff:**

Dr. P.P. Shirodkar Director  
M.A.;Ph.D.

**Details of Research Students:**

Name of the Guiding Teacher	No. of students Full-time
Dr. P.P. Shirodkar	4

Research Projects: Goa's Through the Ages Project. The Director of Archives is its Editor.

Visitors to the Department : 12 Indians and 12 foreigners

Publications : (i) During the period, the Directorate of Archives brought two issues of six-monthly research journal namely Purabhilekh-Puratatva (Archives - Archaeology)

- (i) Vol. IX No.1. Jan - June 1991.
- (ii) Vol. IX No. 2. July - Dec. 1991, is under Print.

He has also edited and brought out the seminar papers on Goa's External Relation. He has also edited and brought out two volumes 1) Trial of L.V. Bembre and 2) Trial of Rama Hegde at the Gazetted Department.

**Seminars:** (a) The Director participated in the Seminar organised by the Xavier Centre for Historical Research Porvorim and read the paper "Evangelisation by Missionaries - harsh realities".

(b) Delivered a talk on "Disintegration of the Soviet-Union and its impact" organised by the Current Affairs Forum St. Xavier College, Mapusa.

(c) Participated in the Local History Seminar organised jointly by the Directorate and the Goa University and presented a paper 'Evolution of Military Services in Portuguese Regime (1510 - 1750).

(d) Chaired the Medieval History Session at the Second Akhil Maharashtra Itihas Parishad held at Alibag, Maharashtra.

(e) Represented Goa at 54th Session of the Indian Historical Record Commission held in Rohtak, Haryana on 21st - 22nd April, 1992.

**Seminar on Local History of Goa Archives and Goa University :** The Directorate and Goa University jointly organised the Local History Seminar held on 18th & 19th march, 1993. Besides the Director the following staff member of the Directorate presented his research paper on the occasion.

1. Shri V.R. Mitragotri - "Communitade and the Administration of the Bhojas and Konkani Mauryas".

Worked as a Chairman for Board of Studies and organised a Workshop for the History lecture in Goa's College. Held the meeting on syllabus and the other concerned aspects. He also attended the meetings of Board of Studies of Latin American Studies and Latin American Studies Advisory Board. He delivered lectures at the Goa University to the Senior Lecturers attending Refresher Courses from Goa, Maharashtra, Gujarat and Kerala.

**Co-editor of Goa Volume of Archaeological Survey of India:** The undersigned the Volume Goa-People of India Series of the Antropological Survey of India as the Co-Editor. The Volume is in under print.

**ANNEXURE - VIII**  
**LIST OF AFFILIATED COLLEGES**  
**AND RECOGNISED INSTITUTIONS**  
**IN GOA**

**I. Colleges other than Professional.**

- 1.1 Dhempe College of Arts & Science, Miramar, Panaji, Goa 403 001.
- 1.2 Smt. Parvatibai Chowgule Cultural Foundations' College of Arts & Science, Margao, Goa 403 601.
- 1.3 St. Xavier's College of Arts & Science, Mapusa, Goa 403 535.
- 1.4 Srinivasa Sinai Dempo College of Commerce & Economics, Altinho, Panaji, Goa 403 001.
- 1.5 Carmel College for Women, Nuvem, Salcete, Goa 403 601.
- 1.6 Murgaon Education Society's College of Arts & Science, Zuarinagar, Goa.
- 1.7 Shree Damodar College of Commerce & Economics, Margao, Goa 403 601.
- 1.8 V.N.S. Bandekar College of Commerce, Khorlim, Mapusa, Goa 403 529.
- 1.9 Goa Vidyaprasarak Mandal's College of Commerce & Economics, Ponda, Goa 403 405.
- 1.10 Ponda Education Society's College of Arts & Science, Farmagudi, Ponda, Goa 403 405.
- 1.11 Naval Academy, INS Mandovi, Verem, Goa 403 109.
- 1.12 Cuncolim Education Society's College of Arts & Commerce, Cuncolim, Salcete, Goa.
- 1.13 Govt. College of Arts, Science & Commerce, Sanquelim, Goa.
- 1.14 Goa College of Home Science, Campal, Panaji, Goa.
- 1.15 Govt. College of Arts & Commerce, Khandola, Marcela, Goa.
- 1.16 Govt. College of Arts & Commerce, Quepem, Salcete, Goa.
- 1.17 Rosary College of Commerce, Navelim, Salcete, Goa.
- 1.18 The Saraswat Vidyalyaya Society's College of Commerce & Management Studies, Khorlim, Mapusa, Goa.

- 1.19 The Xaverian Educational Society's Fr. Agnel College of Arts & Commerce, Pilar, Goa.
- 1.20 Govt. College of Nursing, Altinho, Panaji, Goa.

**II. Professional Colleges**

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

**III Recognised Institutions**

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



**ANNEXURE - IX**  
**EXPENDITURE OF GOA UNIVERSITY**

(Rs. in lakhs)

	Budget Estimates (1992-93)			Revised Estimates (1992-93)			Actuals (1992-93)			Budget Estimates (1993-94)		
	Recurr- ing	Non- Recurr- ing	Total	Recurr- ing	Non- Recurr- ing	Total	Recurr- ing	Non- Recurr- ing	Total	Recurr- ing	Non- Recurr- ing	Total
Plan	116.44	283.56	400.00	84.96	266.20	351.16	77.02	171.95	248.97	148.80	208.20	357.00
Non-Plan	245.49	14.80	260.29	227.62	17.55	245.17	201.70	09.27	210.97	247.95	19.75	267.70

**ANNEXURE - X**  
**LIST OF THE DEANS OF FACULTIES OF THE UNIVERSITY**

1. Dr. A.K. Joshi — Faculty of Languages  
Professor & Head,  
Department of English  
Goa University
2. Shri C.S. Naringrekar — Faculty of Performing, Fine Art and Music  
Principal,  
Kala Academy's College  
of Music, Panaji, Goa.
3. Dr. A.H. Doctor — Faculty of Social Sciences  
Professor & Head,  
Department of Political  
Science, Goa University.
4. Dr. S.K. Paknikar — Faculty of Natural Sciences  
Professor & Head,  
Department of Chemistry,  
Goa University.
5. Dr. S. Mavinkurve — Faculty of Life Sciences and Environment.  
Professor & Head,  
Department of  
Microbiology,  
Goa University.
6. Dr. V.J. Monteiro — Faculty of Medicine  
Dean,  
Goa Medical College,  
Bambolim, Goa.
7. Prin. A.K. Srivastava — Faculty of Engineering & Architecture.  
College of  
Engineering, Goa,  
Farmagudi, Goa.
8. Shri M.N. Samant, — Faculty of Law  
Principal,  
M.S. College of Law,  
Miramar, Panaji, Goa.

**ANNEXURE - XI**  
**LIST OF OFFICERS OF THE GOA UNIVERSITY**

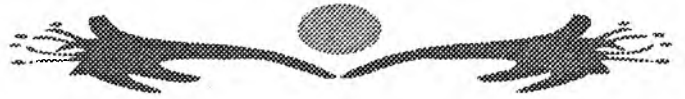
1. Vice-Chancellor Dr. P.R. Dubhashi  
M.A.; Ph.D; D.Litt.
2. Registrar Shri G.V. Kamat,  
M.A.
3. Finance Officer Smt. N.Y. Kapdi,  
B.Sc; LL.B; D.F.M.
4. controller of Examinations Shri U.S. Parab  
M.Com; B.Ed.
5. Deputy Registrar (Academic) Shri G.D. Dangi  
B.A; B.Com.
6. Deputy Registrar (Gen. Admn.) Shri D.P., Pednekar  
M.A.; B.Ed.
7. Asstt. Registrar (Exams) Shri A.G. Khanolkar
8. Asstt. Registrar (Legal) Shri U.V.K. Shankhwalkar  
B.A.; LL.B.
9. Asstt. Registrar (Admn.) Shri V.J. Kamat  
B.Com.
10. Asstt. Registrar (Academic) Shri G.J.S. Talaulikar  
B.Com.
11. Asstt. Registrar (Academic) Shri M.A. Vaidya  
B.A.
12. Asstt. Registrar (Finance) Shri G.D. Nasnodkar  
B.A.
13. Asstt. Registrar (Exams) Shri V.S.N. Alornekar  
B.A.; LL.B.
14. Asstt. Registrar (Admn.) Shri D.G. K. Bambolkar  
M.A.; LL.B.
15. Dy. Librarian Shri V.R. Navelkar  
M.A.; M.Lib. Sc.
16. Director of Student's Welfare Dr. T.D. Halarnkar  
M.A; Ph.D.





17. Director of Sports Shri Kennedy D'Silva  
B.Com.; M.P.Ed.  
18. Systems Analyst Shri D.P. Naik  
M.Sc.  
19. Programmer Shri T.A. Rane  
M.A.  
20. Programmer Shri M.Chakraborty  
M.Sc.  
21. Project Engineer Shri K.R. Puranik  
B.E. (Civil)  
22. Executive Engineer Shri P.V.K. Nair  
B.Sc. (Engg.); LL.B.

23. Garden Superintendent Shri Miguel Branganza  
M.Sc. (Agri).  
24. Asstt. Engineer Shri V.L. Sawkar  
B.E. (Civil)  
25. Asstt. Engineer Shri S. Talaulikar  
B.E. (Civil)  
26. Asstt. Engineer Shri A. Srivastava  
B.E. (Civil)



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## ताळगावच्या पठारावर ज्ञानाची ज्योती

हिरवे हिरवे गार गालीचे लाल लाल माती  
ताळगावचे पठार पसरे डोंगर माथ्यावरी ॥ ६ ॥

संथ झुवारी अथांग सागर सामोरी दिसती  
अनेकरंगी पक्षी आपुली गानसुधा वर्षती ॥ १ ॥

सुंदर परिसर सुंदर वास्तू शोभिवंत दिसती  
अखंड तेथे तेवत आहे ज्ञानाची ज्योती ॥ २ ॥

या ज्योतीला विझवत नाही संतत पाऊसधारा  
नाही विझवत किंवा तिजला भयाण वादळवारा ॥ ३ ॥

युवजन येथे सदैव येती ज्ञानाच्या मंदिरी  
या ज्योतीचे तेज होऊनी विश्वाला उजळती ॥ ४ ॥

- डॉ. पद्माकर रामचंद्र दुभाषी  
कुलगुरु, गोवा विश्वविद्यालय

हिन्द सागरा सह्य पर्वता  
जय जय भारत जय गोमन्ता ॥ ६ ॥  
उदेन्त अस्तम उत्तर दक्षिण  
संगम अप्रुप घडला  
कल्परूखांच्या आशीर्वादान जीवीत आमचे फुललां  
परशुरामा पुण्यभुंय ही क्रांतीवीरांची माता  
नितळ मांडवी आनी जुवारी  
सोबीत सैमा हारसो  
बाराय म्हयने वसंत फुलता दुदसागरा हांसो  
सुर्या घालता शिंवर भांगराचो कुळागरांची ममता ॥ १ ॥  
ललित कलांचे नंदनवन हें दायज पुरातन आमचें  
संवसाराचें सगळें वारें घरान आमच्या थारचें  
हे ज्ञानाचें पवित्र मंदिर विद्या आमची देवता ॥ २ ॥  
तिजे पूजेतून थोडी घडची  
मानवतेची सेवा  
विश्वा हातसून घेतली विद्या भरून ओपची विश्वा  
हेच धर्तरेर सर्ग घडोवया  
प्रिती, शांती, समता ॥ ३ ॥

मनोहरराय सरदेसाई