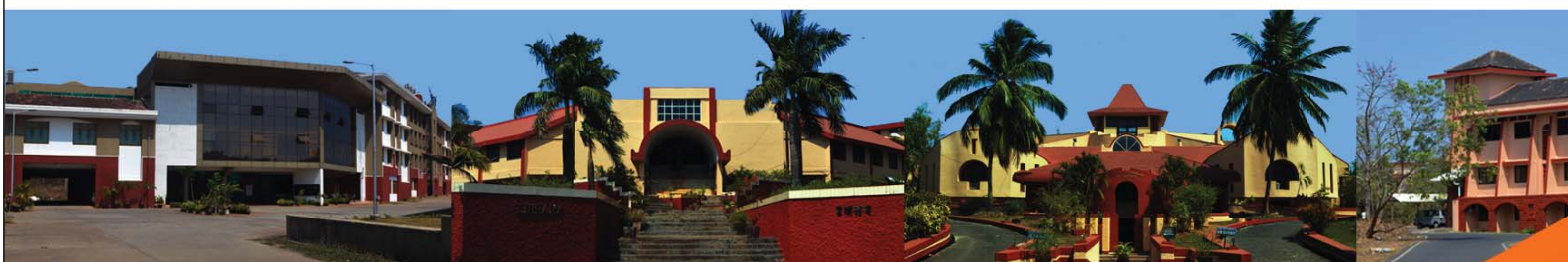


Goa University

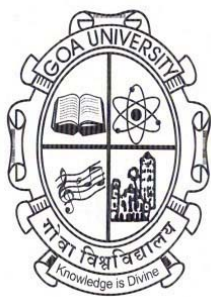
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XXXIInd Annual Report 2016-2017

XXXII ANNUAL REPORT

June 2016– May 2017



GOA UNIVERSITY

TALEIGAO PLATEAU

GOA 403 206



GOA UNIVERSITY

CHANCELLOR
Smt. Mridula Sinha

VICE-CHANCELLOR
Prof. Varun Sahni

REGISTRAR
Prof. Y. V. Reddy

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PREFACE

It gives me immense pleasure to present to you the 32st Annual Report of Goa University for the academic year 2016-17

The Annual Report 2016-17 consists of seven parts: (i) University Authorities and Boards, (ii) University Departments, Centres and Programmes, (iii) Innovative Programmes, (iv) General Administration, (v) Affiliated Colleges and Recognized Institutions, (v) Awardees and Rank holders and, (viii) the student strength. The report largely depicts the profiles and activities of the postgraduate departments of the University and the significant achievements of the members of the faculty and students. The section on the affiliated colleges highlights the major contributions made by the colleges affiliated to this University. In all, the Annual Report provides a bird's eye view of the developments and achievements of Goa University during the reporting period.

There are many teaching and non-teaching staff members involved in the compilation of this Annual Report. I would like to record my appreciation and acknowledgment to all of them. I would also like to appreciate the efforts put in by the Annual Report Editorial Committee in shaping this Annual Report.



Prof. Varun Sahni
Vice-Chancellor

INTRODUCTION

Goa University has maintained a trajectory of steady and sustained growth since its inception in 1985. The Goa University's growth has been stupendous in terms of its infrastructure, Departments, new courses and programmes, the number of affiliated colleges and recognized institutions. The National Institutional Ranking Framework (NIRF), of MHRD, has ranked Goa University as the 64th ranking institution at all India level in 2017.

The Annual Report of the University portrays the wide spectrum of various academic and co-curricular activities at the University and its affiliated colleges. The Editorial Committee has candidly tried to capture the vibrant academic environment that exists in the University Campus highlighting the research projects, research publications, participation in international seminars and workshops, special achievements including awards and honours. The notable contributions made by the faculty members and some of the achievements of the students are also included in the pages that follow. The Annual Report also provides highlights of the activities in the affiliated Institutions. We hope that the Annual Report 2016-17 presents successfully the academic culture of Goa University and its affiliated colleges to its readers.

We thank our Vice-Chancellor Prof. Varun Sahni for his constant support and encouragement in bringing out this report. We are thankful to the Heads of the Departments and Principals of affiliated Colleges for providing the committee with the information included in this report. The Committee would like to express its gratitude to Internal Quality Assessment Cell (IQAC) of Goa University for collecting and compiling the information from the Heads of the University Departments. The Committee thanks all those who have contributed directly or indirectly in preparing and publishing this Annual Report.

Editorial Committee

P. K. Sudarsan	Convenor
R. Fernandes	Member
Jyoti Pawar	Member
A. A. A. Viegas	Member
Nilesh Borde	Member
Maya Sawant	Member
Kalpana N. Walke	Secretary

PART I

UNIVERSITY AUTHORITIES AND BODIES

1.1 MEMBERS OF THE EXECUTIVE COUNCIL

Chairman

Prof. Varun Sahni, Vice-Chancellor(Ex-officio)

Nominees of the Chancellor

Dr. Pramod Kumar Singh, Professor (Retd.) of Hindi, Babasaheb Bhimrao Ambedkar Bihar University, Muzaffarpur-842 002.

Justice (Retd.) Avinash Lavande, St. Inez, Panaji-Goa.

Shri Shivanand Salgaocar, Salgaocar House, Vasco-Da-Gama, Goa.

Shri K. Dwarakanath Row, 55, Samudra Darshan, Near Goa University, Taleigao Plateau, Goa.

Shri A. Venkataratnam, 'Shiv Gauri, 12, Green Hill Society, Porvorim Goa.

Nominees of the State Government

Shri Shrinivas Vasudeva Sinai Dempo, Dempo House, Campal, Panaji-Goa.

Prof. Datta Bhikaji Naik, House No.909, GIRIJA, Alto Porvorim, Bardez, Goa

Dr. Louis Vernal, 4th Floor, Rajmudra Apartment, Near Civil Court, Tisk, Ponda-Goa.

Shri Prakash Shankar Velip, 479-35D, Saraswati Niwas, Quepem-Goa.

Ex-officio Members

The Secretary (Higher Education), Government of Goa, Secretariat, Porvorim, Goa.

The Secretary (Finance), Government of Goa, Secretariat, Porvorim, Goa.

Nominees of the Vice-Chancellor

Prof. Malapati K. Janarthanam, Dean, Faculty of Life Sciences & Environment, Goa University.

Prof. Pradeep Naik, Dean, Faculty of Medicine, Goa Medical College, Bambolim, Goa.

Dr. (Sr.) M. Aradhana A.C., Principal, Carmel College of Arts, Science and Commerce for Women, Nuvem, Salcete Goa.

Prof. Silvia Maria De Mendonca Noronha, Department of Economics, Goa University.

Member Secretary (Ex-Officio)

Prof. Y.V. Reddy, Registrar, Goa University (Ex-Officio)

1.2 MEMBERS OF THE UNIVERSITY COURT

Chairman

Prof. Varun Sahni, Vice-Chancellor(Ex-officio)

Nominees of the Executive Council

Deans of Faculties

Prof. N.S. Bhat, Dean, Faculty of Social Sciences, Goa University.

Prof. A. V. Salker, Dean, Faculty of Natural Sciences, Goa University.

Prof. K.B. Subhash, Dean, Faculty of Commerce and Management Studies, Goa University.

Prof. Rajesh S. Prabhu Gaonkar, Dean, Faculty of Engineering, Goa College of Engineering, Farmagudi, Ponda-Goa

Dr. M.R.K. Prasad, Dean, Faculty of Law, V.M. Salgaocar College of Law, Miramar, Panaji, Goa

University Professors

Prof. G.N. Nayak, Department of Marine Science, Goa University.

Prof. (Smt.) Savita S. Kerkar, Department of Biotechnology, Goa University.
Prof. Koshy Tharakan, Department of Philosophy, Goa University.
Prof. B.R. Srinivasan, Department of Chemistry, Goa University.
Prof. Nina Caldeira, Department of English, Goa University.

Principles of Affiliated Colleges

Prof. Gopalkrishna Rao, Goa College of Pharmacy, Panaji-Goa.
Dr. (Smt.) Radhika S. Nayak, S.S. Dempo College of Commerce & Economics, Altinho, Panaji, Goa
Capt. T.P. Mahato, Officer-In-Charge, National Hydrographic School, Vasco-da-Gama, Goa.
Dr. Surendra Rehmatkar, Shree Rayeshwar Institute of Engineering & Information Technology, Shiv Shail, Karai, Shiroda-Goa.
Fr. Jeronimo D'Silva, St. Xavier's College of Arts, Science & Commerce, Mapusa-Goa.

Elected Members

Dr. Anthony P. Rodrigues, Fr. Agnel College of Arts and Commerce, Pilar-Goa.
Shri S.S. Burye, Dhempe College of Arts & Science, Miramar, Panaji-Goa
Prof. Sanjay Pai P.N., Goa College of Pharmacy, Panaji Goa
Prof. Savio Rodrigues, Dept. of Microbiology, Goa Medical College, Bambolim-Goa.
Shri Audhoot Kashinath Satardekar, Carmel College of Arts, Science and Commerce for Women, Nuvem, Salcete Goa.
Shri Vinod O. Kankonkar, CES College of Arts & Commerce, Cuncolim, Goa
Dr. Sitaram V. Sukhtankar, Govt. College of Arts, Science & Commerce, Khandola, Marcela-Goa
Shri Mahesh R. Nair, St. Xavier's College of Arts, Science & Commerce, Mapusa-Goa
Dr. Rajendra S. Gad, Department of Electronics, Goa University
Dr. Andre Rafael Fernandes, Department of English, Goa University
Shri Parag Porobo, Department of History, Goa University.

Nominees of the Executive Council

President /Chairman, Dnyanprasarak Mandal's College and Research Centre, Assagao, Bardez-Goa.
President / Chairman, Bharateeya Sanskriti Prabodhini Gomantak Ayurveda Mahavidyalaya and Research Centre, Shiroda-Goa.

Ex-officio Members

Chairman, Goa University Student's Council, Goa University.
Chairperson, Post-Graduate Students Union, Goa University.

Nominees of the Chancellor

Admiral (Retd.) Sureesh Mehta, PVSM, AVSM, 164 Campal, Dayanand Bandodkar Road, Opp. Kala Academy, Panaji, Goa – 403 001.
Justice (Retd.) Nelson Britto, Near Hotel Majestic, Alto Betim.
Shri V.K. Jha, IAS (Retd.), Flat No.501, Block-G, St. Francis Xavier Residency, Phase-II, Near Muslim Darga, Old Goa – 403 402.
Shri Srinivas V. Dempo, Dempo House, Campal, Panaji-Goa.

Nominees of the State Government

Shri Shyamsundar M. Kauthankar, Retired Principal, Green Sea Apartment, Shetye Wado, Mapusa-
Shri Dadu B. Mandrekar, “Amrapali” Prabhudh Nagar, Madla Wada, Mandrem, Goa- 403 527.
Sau. Kamal Govind Parsekar, C/o. Shri G.M. Parsekar, Near Post Office, Mandrem-Goa.
Dr. Beena Martins, Modern Clinic, Mapusa Goa.

Representative of Non-teaching Staff

Shri Uttam B. Naik, Finance Officer, Goa University

Member Secretary (Ex-Officio)

Prof. Y.V. Reddy, Registrar, Goa University (Ex-officio)

1.3 ACADEMIC COUNCIL

Chairman

Prof. Varun Sahni, Vice-Chancellor (Ex-officio)

Deans of Faculties

Dean, Faculty of Language & Literature(Ex-officio)

Dean, Faculty of Performing Fine Art & Music (Ex-officio)

Dean, Faculty of Social Sciences (Ex-officio)

Dean, Faculty of Natural Sciences (Ex-officio)

Dean, Faculty of Medicine (Ex-officio)

Dean, Faculty of Engineering (Ex-officio)

Dean, Faculty of Law (Ex-officio)

Dean, Faculty of Life Sciences & Environment (Ex-officio)

Dean, Faculty of Commerce & Management Studies (Ex-officio)

Dean, Faculty of Design (Ex-officio)

Dean, Faculty of Education (Ex-officio)

University Professors

Prof. (Smt.) Savita Kerkar, Department of Biotechnology

Prof. (Ms.) Guntur Anjana Devi Raju, Department of Commerce

Prof. Vrushali Mandrekar, Department of Hindi

Prof. V.S. Nadkarni, Department of Chemistry

Prof. P. K. Sudarsan, Department of Economics

Principals of Affiliated Colleges

Dr. Gopalkrishna Rao, Goa College of Pharmacy, Panaji-Goa

Mrs. Carol Noronha, Institute of Nursing Education, Bambolim, Goa

Dr. Radhika S. Nayak, S. S. Dempo College of Commerce & Economics, Panaji

Mrs. Savita S. Nadkarni, CES College of Arts & Commerce, Cuncolim, Goa

Dr. R. B. Patil, Murgaon Education Society's Coll. Of Arts & Comm., Zuarinagar

Dr. Vikas Pissurlekar, Shri Ravi S. Naik College of Arts & Sc., Farmagudi, Ponda

Dr. Surendra Rahmatkar, Shree Rayeshwar College of Engineering & IT, Shiroda

Dr. M. R. Patil, VP College of Commerce Education, Computer & Mgmt, Porvorim

Dr. Santosh B. Patkar, Sridora Caculo College of Comm. & Mgmt, Mapusa

University Teachers

Dr. (Smt.) Purva G. Hegde, Department of Management

Shri Ramrao S. Wagh, Department of Computer Sc. & Technology

Dr. Sunder N. Dhuri, Department of Chemistry

Shri Parag D. Parobo, Department of History

Dr. Lakshangy Suresh Charya, Department of Microbiology

Representative of SC/ST Category

Shri R. K. Satardekar, Additional Commissioner, Commercial Taxes, Vikrikar Bhavan, MG Road, Panaji-Goa

Elected Members

Dr. Anthony Rodrigues, Fr. Agnel College of Arts & Comm., Pilar, Goa

Dr. Ketan Govekar, T-5, Wadjin Building, St. Inez, Pajai, Goa

Dr. Naguesh Colvalkar, B-22-1, Goa University Quarters, Taleigao Plateau, Goa

Shri. Vasant V. Sail, MES College of Arts & Comm., Zuarinagar, Goa

Dr. Prakash R. Morakar, B/G-4, Mahalaxmi Residency, B/H Don Bosco College, Margao

Dr. Satish Hari Prabhu Keluskar, PES's RSN College of Arts & Sc., Farmagudi, Goa

Dr. Sushila S. Mendes, 4th Floor, C. D. Blue Chip, Pajifond, Margao, Goa

Dr. Teotone Inas M. Vaz, 151, Landscape Pinto Park, Campal, Panaji, Goa

Dr. K. G. Sankaranarayanan, Flat No. B\$/5, Sapana Village, Peddem, Tivim, Mapusa

Nominees of the Chancellor

Prof. Kailash Sodani, Vice-Chancellor, Maharshi Dayanand Saraswati University, Ajmer-305009

Prof. Errol D'Souza, Indian Institute of Management, Vastapur, Ahmedabad-380015, Gujarat.

Dr. V. N. Jindal, Gomeco Housing Society, Bambolim, Goa 403201

Prof. (Dr.) K. Balakrishnan, Director, Goa Institute of Management, Goa.

Dr. Celsa Pinto, H. No. 428/C, Rua de Natal, Fontainhas, Panaji.

The Director, National Institute of Oceanography, Dona Paula, Goa

The Chairman, Goa Board of Secondary & Higher Secondary Education, Alto Porvorim, Goa, Member (Ex-Officio)

The Librarian, Goa University, Member (Ex-Officio)

Registrar, Goa University, Member Secretary (Ex-Officio)

1.4 MEMBERS OF THE PLANNING BOARD**Chairman**

Prof. Varun Sahni, Vice-Chancellor (Ex-officio)

Nominees of the Executive Council

Prof. Talat Ahmad, Vice Chancellor, Jamia Millia Islamia, Jamia Nagar, New Delhi-110025.

Prof. K.B. Subhash, Dean, Faculty of Commerce and Management Studies, Goa University.

Shri Sudesh Gawde, House No.134, Gauthan, Khandepar, Ponda, Goa.

Nominees of the Vice-Chancellor

Shri Shivanand Salgaocar, Salgaocar House, Vasco-Da-Gama, Goa.

Prof. V.S. Nadkarni, Department of Chemistry, Goa University.

Dr. Prita Mallya, Principal, Shree Damodar College of Commerce & Economics, Margao.

Nominees of the Chancellor

Shri Anil N.S.N. Khaunte, Alcon Enterprises, Sukerkar Mansion, Panaji-Goa.

Nominee of the University Grants Commission

Prof. Balu Ananda Chopade, Vice-Chancellor, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431 004.

Ex-Officio Member Secretary

Registrar, Member Secretary (Ex-Officio)

1.5 MEMBERS OF THE FINANCE COMMITTEE**Chairman**

Prof. Varun Sahni, Vice-Chancellor (Ex-Officio)

Nominee of the Chancellor

Shri Jugraj Singh Bedi, C.A., C/o. Budhraj Adlakha & Co., Chartered Accountants, 5/31, W.E.A. Karol Bagh, New Delhi 110005.

Nominees of the Executive Council

Shri A. Venkatratnam, IAS (Retd.) 'Shiv Gauri', 12, Green Hill Society, Porvorim-Goa.

Shri Ashish Verlekar, Chartered Accountant, Govind Building, Panaji

Members

Registrar, Goa University

Secretary, Higher Education, Government of Goa

Secretary (Finance), Government of Goa

Dean, Faculty of Commerce/Management (Ex-Officio)

Finance Officer, Goa University, Member Secretary (Ex-Officio)

1.6 DEANS OF FACULTIES

Prof. Ishrat B. Khan, Languages & Literature, w.e.f. 01/12/2016 for a period of three years or till date of her superannuation 30/09/2018.

Prof. N. S. Bhat, Social Sciences, w.e.f. 01/01/2016 to 31/12/2016, for a period of three years,

Prof. Gourish M. Naik, Natural Sciences, w.e.f. 05/05/2017 for a period of three years or till date of his superannuation 29/02/2020.

Prof. Malapati K. Janarthanam, Life Sciences & Environment, w.e.f. 01/11/2017 for a period of three years 31/10/2020

Prof. K. B. Subhash, Commerce & Management Studies, w.e.f. 13/04/2016 till 12/04/2019

Vice Chacellor, Medicine

Prof. R. S. Prabhu Gaonkar, Engineering, w.e.f. 24/08/2015 till 23/08/2018

Dr. M.R.K. Prasad, Law, w.e.f. 27/01/2016 till 26/01/2019

Shri M.V. Vengurlekar, Performing, Fine Art & Music, w.e.f. 09/01/2012 until further orders Vice-Chancellor, Design, ----

Dr. Allan Abreo, Education, w.e.f. 08/09/2017 for a period of three years or till the establishment of school of behavioural Studies whichever is earlier(07/09/2020)

1.7 OFFICERS OF THE UNIVERSITY

Prof. Varun Sahni	Vice-Chancellor
Prof. Y. V. Reddy	Registrar
Shri Uttam B. Naik	Finance Officer
Dr. Gopakumar V.	Librarian
Shri M. Shreedhara	Joint Registrar (Administration)
Shri Donald A. E. Rodrigues	Joint Registrar (Academics)
Shri Leo V. Macedo	Controller of Examinations
Dr. Patricia Sequiera	Medical Officer
Shri M. Chakraborty	Head, Computer Centre
Shri V. L. Sawkar	University Engineer
Shri Milton Fernandes	Asstt. Director P. E. & Sports
Shri Alberto Fernandes	Asstt. Registrar
Smt. Bertha T. A. D'Mello e Daniel	Asstt. Registrar
Smt. Maya R. Sawant	Asstt. Registrar
Smt. Sita Sara J. Figueiredo	Asstt. Registrar
Shri Ashok J. Nagarsekar	Asstt. Registrar
Smt. Sharayu J. Chari	Asstt. Registrar
Smt. S.S.S. Neurekar	Asstt. Registrar
Shri Amey Verenkar	Asstt. Registrar
Shri Kedar A. Naik	Asstt. Registrar (on lien)
Shri Amit Srivastava	Executive Engineer
Shri Sanjay A. Bandodkar	System Analyst
Shri Anselmo A. T. H. Rosa	System Analyst
Shri Sangam Talaulikar	Asstt. Engineer
Shri Rajnikant Parsekar	Asstt. Engineer
Shri Sachin G. Narvekar	Asstt. Engineer
Shri Damodar M. Manjrekar	Programmer
Shri Abhijit Karpe	Programmer
Shri Sachin Krishna Patil	Assistant Director (Engineering)
Shri Sachin K. Sambhaji	Assistant Director (Engineering)

1.8 OTHER BODIES/ASSOCIATIONS AND THEIR COMPOSITION

Goa University Teachers' Association (GUTA)

Dr. Rahul Tripathi, President	Prof. S.Krishnan, Vice-President
Dr. Nilesh Borde, Jt. Secretary	Dr. Rajendra Gad, Secretary
Dr. Sunder Dhuri, Treasurer	Prof. V. S. Nadkarni, Member
Dr. Dattesh Parulekar, Member	Dr. Purva Hegde Desai, Member

University and College Teachers' Association of Goa (UCTAG)

Dr. Nagesh Colvalkar, President	Dr. Anthony Rodrigues, Vice President
Shri. B. S. Ingalthalli, Gen.Secretary	Dr. C. P. Hiremath, Treasurer
Mrs. Sanchiliana Faria, Jt.Secretary	

Executive Committee of the Association of Officers of Goa University

Dr. Gopakumar V., President	Shri M. Shreedhara, Member
Smt. B.T.A. D'Mello e Daniel, V. President	Shri Leo V. Macedo, Member
Smt. Sita Sara J.Figueiredo, Secretary	Shri Donald A. E. Rodrigues, Member
Shri Amey Verenkar, Treasurer	Smt. Maya R. Sawant, Member

Executive Committee of the Goa University Non-Teaching Employees Association

Shri Nanda Gawas, President	Shri Atchut Naik, Member
Shri Renato Dias, Vice-President	Shri Sunil Naik, Member
Shri Godwin Afonso, General Secretary	Shri Premnand Desai, Member
Shri Krishna G. Pai, JointSecretary	Shri Shaikh Usman Ali, Member
Shri Gajanan Lingudkar, Treasurer	Shri Paresh Naik, Member

University Employees Co-operative Credit Society

Shri Eknath M. Sawant , Chairman	Shri Vasudeo P. Gaonkar, Vice-Chairman
Shri Gangaram Naik, Secretary	Shri Nanda Gawas, Treasurer
Prof. Balkrishna Kanolkar, Member	Shri Vishwasrao D. Sawant , Member
Shri Shaikh M. Aslam, Member	Shri Paresh H. Naik , Member
Shri Babuso C. Velip, Member	

1.9 MEETINGS OF UNIVERSITY AUTHORITIES AND BODIES

Dates of Executive Council Meetings

20th July, 2016
31st October 2016
23rd December, 2016
15th March 2017
13th April, 2017
21st April, 2017
26th May, 2017

Dates of Academic Council Meetings

6th March 2017 AC meeting
7th March 2017 Adjourned AC meeting
14th March 2017 Special meeting of Academic Council
31st March 2017 - Standing Committee of Meeting of Academic Council
22nd May 2017 - Academic Council
21st June 2017 - Standing Committee of Academic Council
10th August 2017 - Standing Committee of Academic Council
4th September 2017 - AC Meeting
13th September 2017 - Adjourned AC meeting
6th December 2017 - Academic Council Meeting

Dates of Planning Board Meeting - 15th December, 2016

Dates of Court Meeting - 30th March 2017

PART 2

UNIVERSITY DEPARTMENTS/CENTRES/PROGRAMMES

2.1: FACULTY OF LANGUAGES AND LITERATURE

Departments and Degrees:

Department of English	(M.A., M.Phil., Ph. D.)
Department of Hindi	(M.A., M.Phil., Ph. D.)
Department of Konkani	(M.A., M.Phil., Ph. D.)
Department of Marathi	(M.A., M.Phil., Ph. D.)
Department of French	(M.A., Ph. D.)
Department of Portuguese	(M.A., Ph. D.)

FACULTY BOARD (From 29/03/2016 to 10/01/2017)

Dean, Faculty of Languages & Literature	Chairman (Ex-Officio)
Head, Department of English	Member (Ex-Officio)
Head, Department of Hindi	Member (Ex-Officio)
Head, Department of Marathi	Member (Ex-Officio)
Head, Department of Konkani	Member (Ex-Officio)
Head, Department of Portuguese	Member (Ex-Officio)
Head, Department of French	Member (Ex-Officio)
Prof. K. Sripad Bhat	Member (Ex-Officio)
Prof. Ishrat Bi Khan	Member (Ex-Officio)
Prof. Sudhir M. Tatkodkar	Member (Ex-Officio)
Prof. Nina Caldeira	Member (Ex-Officio)
Dr. Andre Rafael Fernandes	Member
Dr. (Smt) Anjali Chaubey	Member
Dr. (Smt) Sunita S. Umraskar	Member
Smt. Irene Conceicao Silveira	Member
Mr. Dhruv Sudin Usgaonkar	Member

Faculty of Languages and Literature



Dean's Report

The faculty of languages and literature has six Departments under it, namely, English, Hindi, Marathi, Konkani, French and Portuguese. All Departments conduct M.A and Ph.D Programmes. In addition to that, French and Portuguese Departments conduct certificate courses also. Many eminent scholars in the literary field has visited the Departments during academic year 2016-17.

Faculty of Languages and Literature organised a Research Scholar Workshop, which was based on the following theme - 'New Trends in Literature, Language and Culture' was held on March 27th, 2017 in the Conference Hall of the University. In the Workshop following were the experts : Dr. Nandita Wagle (French, Savitribai Phule Pune University), Prof. Amelia Polonia (Portuguese, Portugal) Dr. Ashish Tripathi (Hindi, Benaras Hindu University), Dr. Shripad Bhat (English, Goa University) and Dr. Narayan Bhaskar Desai (Konkani, Retired Principal of a Higher Secondary School, Canacona,). This programme was presided over by Dean of the Faculty of Social Sciences Prof. Shyam Bhat (History, Goa University).

The Faculty of Languages and Literature under the initiative of the Dean had coordinated with Goa Arts and Literature Festival (GALF) for organizing special lectures. This programme was conducted on December 03, 2016. GALF-2016 has highlighted literature from Australia, Bangladesh, Brazil, Canada, Portugal, Singapore, United Kingdom and United States of America. It also represented a wide spectrum of Indian languages viz. Assamese, Bengali, Hindi, Kannada, Malayalam, and Tamil as well as foreign languages namely English and Portuguese. All the Professors, Associate Professors, Assistant Professors and student community from the Faculty of Languages and Literature participated in the GALF-2016 programme wholeheartedly. This programme was enlightening, appealing and successful.

Prof. Khan, I. B.

Dean, Faculty of Languages and Literature

Department of English

Faculty:

Full-time

- **K. Sripad Bhat**, *Ph.D.*, Professor – Literary theory, Critical Theory and Cultural studies
- **Nina Caldeira**, *Ph.D.*, **Professor and Head** – Goa Cultural Studies, Postcolonial Literature, Linguistics, American Literature
- **Andre Rafael Fernandes**, *Ph.D.*, Associate Professor – Novel, Commonwealth literature, Language laboratory, Tiatr
- **Anjali Chaubey**, *Ph.D.*, Assistant Professor – Indian English Theatre, Diaspora Studies and Gender Studies

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Emeritus Professor Edwin Thumboo	National University of Singapore	Reading of his Poetry	07 Dec 2016
Dr. Isabel Santa Rita Vas	Retired teacher of Dhempe College of Arts and Science, Miramar, Panaji	Creative Writing in English	One Term (Sem-I)

Achievements:

Students:

- Event Pegasus – 5-6 Dec 2016, Chowgule College, Margao: A team of 18 students won the overall trophy and several individual trophies. GU mascot was the second runner up for COSFEST and GU Laureate won the runners up trophy.
- Event wordsup – 10-11 Jan 2017, St. Xavier's College, Mapusa: A team of 30 students representing Goa University won the overall trophy.
- Event Insight – 22-23 Feb 2017 Don Bosco's College, Panaji: The students of the English Dept. were a major part of the team and won the overall trophy.
- Rendezvous – 28 Feb 2017, DM's College, Mapusa: A team of 10 students won the overall trophy.

Incremental Infrastructure:

- Wheel Chair for a physically disabled student

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Shakespeare Festival	14-15 Oct 2016	IMB, Panaji and ICG, Dona Paula
Seminar on Goa Through the Traveller's Lens	30 Mar 2017	Goa University

Research publications:

Book chapter

- Fernandes, A.R. English Literature in the Digital Era. *English Literature in the Digital Era*, Ed. By: Lakhimai Mili. Pondicherry University / Bonfring, Coimbatore, ISBN 978-93-85477-79-9. 2016; 122-128.

PhDs:

Degree Awarded: 1

Submitted: 6

Students on Roll: 12

Conference Presentations, Lectures, etc.

- Bhat, K.S. Theorising Popular Culture (**Keynote Address**). *Nat. Seminar on New Horizons in Linguistic, Literary and Cultural Studies*, 15 Feb 2017. Kisan Veer Vidyalaya, Satara, Maharashtra.
- Bhat, K.S. How to Read a Poem (**Keynote Address**). *Nat. Workshop on Critical Reading*, 6 Apr 2017. Rani Channamma University, Belagavi.
- Bhat, K.S. Listening for the Silences: Reimagining the Subaltern (**Keynote Address**). *Nat. Seminar on Subaltern Reflections in Indian Writing in English and Translation*, 28-29 Apr 2017. Dnyanprassarak Mandal's College, Mapusa.
- Bhat, K.S. Historicising Travel (**Inaugural Address**). *Seminar on Goa through the Travellers' Lens*, 30 Mar 2017. Department of English, Goa University.
- Bhat, K.S. Thou Art Free: The Shifting Dynamics in Shakespeare Criticism. *Nat. Conf. on Revisiting Shakespeare 400 Years After*, 13-14 Jan 2017. K.G. Joshi College of Arts, Thane, Maharashtra.
- Bhat, K.S. Popular Culture in India (**Plenary Talk**). *Nat. Seminar on Cultural Studies*, 24-25 Mar 2017. Padmavati Mahila University, Tirupati.
- Chaubey, A. Translating Desire in Disability. *South Asian Workshop on Translating Disability Across Cultures*, 16-18 Sep 2016. Int. Association for Translation and Intercultural Studies (JNU).
- Fernandes, A.R. Integrate culture in sustainable development frameworks: Role of Tiatr. *Workshop on Promoting the Cultural and Creative Industries in Goa*, 20-21 Aug 2016. UNESCO and Art & Culture Dept, Govt of Goa.
- Fernandes, A.R. The Origins of Tiatr. *Seminar on Tiatr: Yesterday, Today and the Future*, 13 Feb 2017. Tiatr Academy of Goa & St.Xavier's College, Mapusa.
- Fernandes, A.R. Use of ICT. *Seminar on New Trends in Research Language, Literature, Culture*, 27 Mar 2017. Faculty of Languages, & Literature, Goa Univ.

Department of Hindi

Faculty:

Full-time

- **Vrushali S. Mandrekar, Ph.D., Professor and Head** – Short Story, Comparative Literature & Translation
- **Ravindranath S. Mishra, Ph.D., Professor** – Medieval, Modern and Contemporary Poetry, Indian Poetics, Translation & Mass Media and Journalism
- **Ishrat Bi Khan, Ph.D., Professor** – History of Hindi Literature, Functional Hindi & Katha Sahitya
- **Bipin Tiwari, Ph.D., Assistant Professor** – Hindi Story, Hindi Criticism

Contratual

- **Dr. Kapil Kumar, Ph.D., Assistant Professor** – Adhunik Sahitya

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Chandrakala Tripathi	Kashi Vishwavidhyalaya Varanasi	Ajeney ki kavita	28 Sep 2016
Prof. Devendranth Singh	Shakuntala Mishra University Lucknow	Muktibhodh ki kavita Kamayani ka mulyankan	3-5 Jan 2017

Major Thrust Areas and Achievements:

Thrust areas:

- Literary criticism, Functional Hindi, Translation, Mass media, Language and literature

Achievements:

- Five students have passed SET examination this year.

Incremental Infrastructure:

- White boards in class rooms and faculty offices

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Srijanatmakta ke Aayam Evam Amritlal Nagar ka Sahitya	16-17 Mar 2017	Goa University
New Trends in Research: Language, Literature and Culture	27 Mar 2017	Goa University

Research publications:

Articles in journals:

- Desai, R. जीवन का रचाव बसाव वाया कहानी [Jeevan ka Rachav Basaav via Kahani]. *Govapuri*. 11(1); 2016; 78-80.
- Mishra, R.N. कोंकणी साहित्य [Konkani Sahitya]. *Bharatiya Sahitya Sarvekshan*, Kendriya Hindi Nideshalay, New Delhi, Varshiki 2014. 2014 (published in 2016); 82-91.
- Mishra, R.N. हरिश्चंद्र पाण्डे का काव्य : मानवीय सरोकार [Harishchandra Pande ka Kavya: Manaviya Sarokar]. *Govapuri*. 11(1); 2016; 9-14.
- Mishra, R.N. Lokatantra aur Media ki Bhasha ke Roop mein Hindi [लोकतंत्र और मीडिया की भाषा के रूप में हिंदी]. *Vishwa Hindi Patrika*. 2016/2017; 130-134. http://vishwahindi.com/hi/downloads/vhp_2016/pdf/C26%20Ravindranath%20Mishra%20130-134%203.pdf
- Tiwari, B. समाज की सच्चाइयों का बयान वाया 'कायान्तर' [Samaj ki Sachchhaiyon ka Bayan via 'Kayantar']. *Govapuri*. 10(2); 2015; 94-99.

- Tiwari, B. बोल की लब आजाद हैं तेरे... [Bol ki Lab Azad Hai Tere...]. *Sablog*. 8(12); 2016; 52-53.
- Tiwari, B. भीष्म साहनी की संपादन कला: 'नई कहानियाँ' पत्रिका के संदर्भ में [Bhishm Sahni Ki Sampadan Kala: Nai Kahaniyan Patrika Ke Sandarbh Mein]. *Udbhavana*. 31(125); 2016; 279-302.
- Tiwari, B. जीवन के विविध पक्ष और कविता [Jeevan Ke Vividh Paxh aur Kavita]. *Goapuri*. (11); 2016; 60-64.
- Tiwari, B. असगर वजाहत की लम्बी कहानियाँ और कथ्य की व्यापकता [Asgar Vajahat ki Lambi Kahaniyan aur Kathya ki Vyaapakta]. *Banas Jan*. 6(21); 2017; 216-229.

Book chapters:

- Khan, I.B. रिश्तों में रिसती नारी की व्यथा-कथा [Rishto Mein Risatee Naari ki Vyatha-Katha]. Mrudula Sinha ka Sahitya: Vivechan evam Vishleshan. Anamika Publishers & Distributors, New Delhi. 2017; 124-128.
- Mandrekar, V.S. मृदुला सिन्हा की लोकप्रिय कहानियों की मूल संवेदना [Mrudula Sinha ki Lokpriya Kahaniyon ki mool Samvedana]. Mrudula Sinha ka Sahitya: Vivechan evam Vishleshan. Anamika Publishers & Distributors, New Delhi. 2017; 124-128.
- Tiwari, B. निर्वासित मनस्थिति से मुक्ति की तलाश [Niravasit Manahsthti se Mukti ki Talash]. *Ikeesvin Sadi ke Hindi Upnyas Pahchan aur Parakh*, Ed. by: Kapil Kumar Singh Raghav. Raj Publications, Delhi. 2016; 26-52.
- Tiwari, B. गांव का बदलता ढाचा और शिवमूर्ति का साहित्य [Gaavn ka Badalta Dhancha Aur Shivmurti ka Sahitya]. *Sahitya se Samvad Kuch Buniyadi Sarokar*, Ed. by: Shashank Mishra. Shrisahitya Prakashan, Delhi. 2016; 224-250.
- Tiwari, B. मृदुला सिन्हा का साहित्य : विवेचन एवं विश्लेषण [Bhishm Sahni ki Sampadkiya Drushti]. *Bhishm Sahni ka Sahitya*, Ed. by: Pramod Kovprat. Jawahar Pustakalay, Mathura. 2017; 225-233.

Book:

- Mishra, R.N. मृदुला सिन्हा का साहित्य : विवेचन एवं विश्लेषण [Mrudula Sinha ka Sahitya: Vivechan evam Vishleshan]. Anamika Publishers & Distributors, New Delhi. 2017; 250pp.

PhDs:

Degree Awarded: 1

Submitted: NIL

Students on Roll: 7

Conference Presentations, Lectures, etc.

- Mandrekar, V.S. नाचो बहुत गोपाल : उपन्यास की प्रासंगिकता [Nacho Bahoot Gopal: Upanyas ki Prasangikata]. *Srijanatmakta ke Aayam Evam Amritlal Nagar ka Sahitya*, 16-17 Mar 2017. Goa University
- Mishra, R.N. Indian Culture (**Invited Lecture**). 9. *Middle European Student Indology Conf.*, 20 May 2017. University of Wroclaw, Poland.
- Tiwari, B.B. इक्कीसवीं सदी की कहानियों में किसान जीवन [Ikeesvin Sadi ki Khaniyon Mein Kisan Jeevan]. *Samkalin Hindi Sahitya: Kisan Evam Shramik Verg*, 24-25 Mar 2017. Hindi Dept., Karnatak University, Dharwad.

Lectures on other occasions

- Mishra, R.N. Definition and nature of Hindi language, Literature and Indian Culture. 18 Nov 2016. Faculty of Philosophy in Pula University, Croatia.
- Mishra, R.N. Indian Culture through Sanskrit and Hindi. 25 Nov 2016. Dept. of Cultural Studies at Rijeka University, Croatia.
- Mishra, R.N. Indian Culture, Literature and Society. 10 Mar 2017. Dept. of Ethnology and Anthropology, University of Zadar, Croatia.
- Mishra, R.N. संस्कृत, हिंदी एवं क्रोएशियन : भाषा, साहित्य एवं संस्कृति (Similarities in Hindi and Croatian Language, Literature and Culture), 24 Mar 2017. Indian Embassy and Faculty of Humanities and Social Science, Zagreb University, Croatia; Zagreb (Croatia).

Department of Konkani

Faculty:

Full-time

- **Prakash S. Parienkar, Ph.D., Associate Professor & Head** – Sociological Study of Literature, Special Study of Konkani Novels, Research Methodology
- **Kripali Naik, M.A., Assistant Professor** – Feminist Literature, Indian Literature

VRPP

- **Adv. Uday Bhembre** – Visiting Research Professor (Late B.B. Borkar Chair) – Old Konkani Language and Literature, Special study of the writings of Shennoi Goembab

Contract

- **Edna Vaz Fernandes, M.A., Assistant Professor** – Issues in language contact and multilingualism, linguistic study of Konkani

Major Thrust Areas and Achievements:

Thrust areas:

- Konkani Film, Konkani Poetry, Konkani Education

Achievements:

- Dr. P.S. Parienkar was facilitated by Shri Padmnath Shishya Sampraday on the occasion of 'Sattari Jankalyan Mahayanya' for his contribution towards education and environment as an author

Incremental Infrastructure:

- Filing Cabinet; Steel Cupboard (04)

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Contribution of Konkani Literature to Konkani Film	7 Oct 2016	Sahitya Akademi- New Delhi and All India Konkani Parishad
Challenges in Higher Education in Konkani	22 Feb 2017	Goa University
14 th All Goa Kavi Shankar Ramani Konkani poetry Recitation Competition	7 Mar 2017	Goa Konkani Academi (for prizes)
New Trends in Research: Language, Literature and Culture	27 Mar 2017	Goa University (Jointly organized by Faculty of Languages and Literature)

PhDs:

Degree Awarded: 1

Submitted: 1

Students on Roll: 5

Conference Presentations, Lectures, etc.

- Parienkar, P.S. बहुविध बुद्धिमत्ता विकासांत पालक, शिक्षक, संस्थाचालकांची भूमिका [Bahuvidha Buddhimatta Vikasant Palak, Shikshak, Saunsthalakanchi Bhumika] (**Resource person**). 5. Gomantak Balshikshan Parishad. 13-14 Nov 2016. Grammin Kala Ani Sanskrutik Sanstha, Sattari.
- Parienkar, P.S. २१व्या शेंकड्यांतले कोंकणी कादंबरेचें स्वरूप [21Vya Shenkadyantle Konkani Kadambarenchem Swarup]. 21Vya Shenkadyantlem Goemchem Konkani-Marathi Sahitya: Swarup Ani Samiksha, 27-28 Feb 2017.

Department of Konkani, Smt. Parvatibai Chowgule College, Madgaon and Directorate of Official Language, Panaji.

- Parienkar, P.S. कोंकणी कादंबरेत अभिव्यक्त जाल्ली ग्रामीण समाजवेवस्था [Konkani Kadambarent Abhivyakt Zalli Grammin Samajvevastha]. All India Konkani Sahitya Sammelan, New Delhi. 10-12 Mar 2017. All India Konkani Parishad.
- Parienkar, P.S. महाबळेश्वर सैल हांच्या कादंबऱ्यांनी अंकुरित जाल्ली कृषिजीवन संदर्भातली जिवनाभुती [Mahabaleshwar Sail Hanchya Kadambaryanni Ankurit Zalli Krushijeevan Sandharbhatli Jeevenabhuti]. Extending the Native Ethos and Mythos of Konkani, 13 Apr 2017. Institute Menezes Braganza, Panaji.
- Parienkar, P.S. **(Resource person)**. *Workshop on Essay Writing Skills*. 1 Oct 2016. St. Francis Xavier's Higher Secondary School of Arts, Science & Commerce, Siolim, Bardez, Goa.
- Parienkar, P.S. **(Resource person)**. *Nat. Workshop on Teaching, Learning and Evaluation of Languages in Higher Education Institution: Issues and Innovations*. 10 Dec 2016. Vidya Prabodhini College of Commerce, Education, Computer and Management, Vidyanagar, Alto Porvorim, Goa.

Department of Marathi

Faculty:

Full-time

- **B. G. Kanolkar**, *Ph.D.*, Associate Professor and Head – Modern form of literature
- **S. Umraskar**, *Ph.D.*, Assistant Professor – Linguistics, Medieval Marathi literature and modern form of literature

Contractual:

- **Geeta S. Yerlekar**, *Ph.D.*, Assistant Professor – Form of literature (Literary Essays), Goan Marathi Literature (Post-Liberation Period), Marathi Modern Poetry & Marathi Criticism
- **Vinay Madgaonkar**, Assistant Professor – History of Modern Marathi Literature (1818-1947) & Marathi Translations from Indian Literature

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Ashok Joshi		Literary Criticism	16 Aug 2016
Prof. Ashok Joshi		New Trends in Literary Criticism	17 Aug 2016
Shri Dadu Mandrekar		Poet and Writer	29 Mar 2017
Shri Vithal Gawas		Short Story Writer	29 Mar 2017
Shri Vishram Gupte		Novelist and Short Story Writer	29 Mar 2017

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Culture Study and Marathi Literature	23-24 Mar 2017	Sant Sohirobanath Ambiyee Chair
Study tour to Palyem, Pernem (Goa) and Banda, Sawantwadi (Maharashtra)		Sant Sohirobanath Ambiyee Chair

Research publications:

Articles in journals (in SCI Journals):*

- Madgaonkar V. एकनाथी भागवताआधी रचलेला गोमंतकीय ग्रंथ : श्रीकृष्णचरित्रकथा [Ekanathi Bhagavataadhi Rachalela Gomantakiya Granth: Shrikrushnacharitrakatha]. Shikshak Vatchal. 2017; 7-17.
- Madgaonkar V. जीवनमुक्त महाराजांचा अभंग : गोमंतभूमीचा अंतःस्वर [Jeevanamukta Maharajancha Abhang: Gomantabhumicha Antahswar]. CTBC'S International Research Journal. 4(1); 2017; 87-92.
- Umraskar, S. 'श्रीकृष्णचरित्रकथा' या काव्यग्रंथाचा ख्रिस्तपुराण वर असलेला प्रभाव ['Shrikrushnacharitrakatha' ya kaavyagranthaachaa Kristapuraan var asalela prabhav]. Vidyawarta. 14(3); 2016; 165-171.
- Umraskar, S. मराठीतील दलितस्त्रियांच्या आत्मकथनातील स्त्रीशक्तीचे दर्शन [Marathiteel dalitstriyananchya atmakathanaateel streeshakteeche darshan]. Vidyawarta. 14(10); 2016; 118-123.
- Yerlekar, G.S. प्रा. लक्ष्मणराव सरदेसाई यांचे मराठी साहित्यातील योगदान [Prof. Lakshmanrao Sardesai yanche Marathi Sahityateel Yogadaan]. CTBC's International Research Journal. 4(1); 2017; 311-316.

Articles in conference proceedings

- Yerlekar, G.S. शोषितांच्या साहित्यांतर्गत स्त्रीवादी साहित्य: एक आकलन [Shoshitanchya Sahityantargat Strivadi Sahitya: Ek Akalan]. Int. Conf., D.P. Bhosle College, Koregaon. 3; 2017; 232-234.

PhDs:*Degree Awarded: NIL**Submitted: NIL**Students on Roll: 15***Conference Presentations, Lectures, etc.**

- Umraskar, S. प.पु. शिरोडकर यांचे आत्मचरित्र [Pa.Pu. Shirodkar Yanche Atmcharitra]. *Seminar on Pa. Pu. Shirodkar Yanche Sahitya*, 15 Dec 2016. Parvatibai Chaugule College, Margao, Goa.
- Umraskar, S. मराठी कविता : स्वरूप आणि समीक्षा [Marathi Kavita: swarup ani samiksha]. *Seminar on 21vya Shekadyatale Goyanche Konkani-Marathi Sahitya: Swarup ani Samiksha*, 27-28 Feb 2017. Parvatibai Chaugule College, Margao, Goa.
- Yerlekar, G.S. जागतिकीकरण आणि स्त्रीवादी साहित्य. Int. Conf. on Jagatikeekaranaachyaa Drushtekonaaaton Saahitya va Sanskruti. Mahavir Mahavidyalay, Kolhapur. 27-28 Jan 2017.
- Yerlekar, G.S. संस्कृती अभ्यासांतर्गत स्त्रीगीतांचा विचार Nat. Conf. on Sanskruti Abhyas ani Marathi Saahitya. Saint Sohirobanath Ambiyee Chair, Goa University. 23-24 Mar 2017.
- Yerlekar, G.S. डॉ. बाबासाहेब आंबेडकर यांचे स्त्रीविषयक विचार. Nat. Seminar on Dr. Babasaheb Ambedkar: Uncovered Aspects. Rani Channamma University, Belgavi. 22 Oct 2016.
- Yerlekar, G.S. गोवा मुक्तिसंग्राम आणि गोमंतकीय मराठी साहित्य. Seminar on Govamukti Sangram: Itihas va Sahitya. Bhaktidnyaan Sadhan Sanstha, Shivoli. 17-19 Dec 2017.

Department of French & Francophone Studies

Faculty:

Full-time

- **Anuradha Wagle, Ph.D., Professor and Head** – Translation, Linguistics, Teaching Methodology
- **Irene Silveira, M.A.** Assistant Professor – French and Francophone Literature , Culture Studies, Teaching Methodology

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Christophe Legris	Institut Français en Inde	Indo-French collaboration in Education	7 Jul 2016
Dr. Maria Jesús Pacheco Caballero	University of Seville, Spain	Music and French Literature	Feb 2017
Dr. Edith Melo Furtado	Goa University (Retired Professor)	Relevance of Manoharrai Sardessai's works today	Mar 2017
Ms. Nandita Wagle	Department of Foreign Languages, Savitribai Phule University, Pune	New Trends in Research: Language Literature and Culture: Analysing French Literature from its Origin to Modern Times	Mar 2017

Major Thrust Areas and Achievements:

Thrust areas:

- Provide a multidisciplinary understanding and use of the French Language emphasising on Knowledge and Application in various fields of study (Business French, Literature, Translation, Creative Writing, Oral Skills, Culture)
- Create enthusiasm about French language among students from different departments

Achievements:

- Prof. A. Wagle received the 'Chevalier dans l'Ordre des Arts et Lettres' (Knight of the Order of Arts and Letters) award by the French Government in August 2016.
- 87 students from various departments (Mathematics, Earth Science, Marine Biotechnology, History, Hindi, Portuguese, Botany, English, CLAS, and Economics) attended the French language courses. Courses like Representations of French History in Visual Arts and Literature, Film Appreciation, Theatre and Oral Expression were well-received by students. A special beginner's French language course for students of MCA was also organized
- A 30 minute play was conceptualised and staged by the Department as part of the Francophony Celebrations. The play entitled 'Pierre and Parvati' was structured around the theme of Indo-French dialogue and friendship and was the culmination of workshops conducted in the department as part of the course on 'Theatre and Oral Expression'

Incremental Infrastructure:

- Desktop

Collaborations/ MoUs / Linkages created with other organizations

Organization	Objectives	Period (from-To)	Contact person in Dept.
Institut Français, French Embassy in India	Tutor Programme	Aug 2016 - Apr 2017	Wagle, A.
Institut Français, French Embassy in India	Université Régionale Asie du Sud et Asie Centrale, BELC 2017	Jan 2017- May 2017	Wagle, A.

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Universite Regionale BELC Inde, Asie centrale et Asie du Sud 2017	22-26 May 2017	Institut Français en Inde, the CIEP-Centre International d'etudes Pedagogiques, France

PhDs:*Degree Awarded: NIL**Submitted: NIL**Students on Roll: 5***Conference Presentations, Lectures, etc.**

- Silveira, I. Litteratice en classe de français. 36. *Nat. Congress & 3. Int. Colloque of Indian Association of Teachers of French*, 4-6 Nov 2016. Indian Association of Teachers of French, Institut Français en Inde.
- Silveira, I. Creating a French space in Post-Portuguese Goa. 2. *Int. Symposium on Goa: Literatures, Languages and Cultures*, 16-18 Jan 2017. Pensando Goa, Instituto Camoes.
- Silveira, I. Portrayal of the Goan Woman in Rajendra Talak's Cinema. *Int. Interdisciplinary Conf. on Indian Cinema and Women*, 3-4 Feb 2017.
- Wagle, A. Les traducteurs professionnels en Inde: polyvalents ou spécialistes? (**Invited Lecture**). 36. *Nat. Congress & 3. Int. Colloque of Indian Association of Teachers of French*, 4-6 Nov 2016. Indian Association of Teachers of French, Mumbai.
- Wagle, A. Présentation de l'ouvrage: Au Bord de l'Inde –Portraits d'objets, d'icônes et de célébrités. 16. *World Congress of International Federation of Teachers of French*, 14-21 Jul 2016. Int. Federation of Teachers of French- Liège.
- Wagle, A. Perspectives didactiques pour le français en milieu non francophone. 16. *World Congress of International Federation of Teachers of French*, 14-21 Jul 2016. Int. Federation of Teachers of French- Liège.
- Wagle, A. L'approche contrastive dans l'enseignement de la grammaire. 36. *Nat. Congress & 3. Int. Colloque of Indian Association of Teachers of French*, 4-6 Nov 2016. Indian Association of Teachers of French, Mumbai.

Department of Portuguese

Faculty:

Full-time

- **Scarlet Ava Fernandes, M.A.**, Assistant Professor – Portuguese (Literature & Culture)
- **Dhruv Sudin Usgaonkar, M.A.**, Assistant Professor – Portuguese (Literature & Culture)

Visiting Lecturer

- **Delfim Correia DaSilva, M.A., M.Phil.** (Teaching Portuguese as Foreign Language, Portuguese Literature and Linguistics)

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Minni Sawhney	University of Delhi	The Spanish and Portuguese Studies in India: Goals and Challenges in the XXI Century	12 Dec 2016

Major Thrust Areas and Achievements:

Thrust areas:

- Portuguese Linguistics, Indo-Portuguese Studies, Lusophone Literatures, Methodology of Teaching Portuguese and Multimedia and Technical Translation

Achievements:

- Restructuring of language courses according to the Common European Framework (CEF)

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Workshop for teachers of Portuguese, A Canção e as novas tecnologias no ensino-aprendizagem do PLE	26 Jul 2016	Goa Board of Secondary and Higher Secondary Education, ICG
Reading Session on the European Day of Languages	26 Sep 2016	CLP-Camões
Conf. on The Asian-Portuguese Creole today by Dr. Hugo Cardoso (University of Lisbon)	1 Dec 2016	CLP-Camões; Multipurpose Hall, Sanskruti Bhavan
Release of a translated book 'No Flowers No Wreath' ('Orlando da Costa' authored by Isabel Santa Rita) by the PM of Portugal António Costa	11 Jan 2017	JH Cunha Rivara Chair
Conf. on “As Músicas de Cá – Lusosonic Cartographies in Asia” by Dr. Susana Sardo (University of Aveiro)	23 Jan 2017	CLP-Camões
Interaction with the Portuguese writer Bruno Vieira Amaral	1 Feb 2017	CLP-Camões
Reading Session on the World Poetry Day with the Portuguese writer José Luís Peixoto	23 Mar 2017	CLP-Camões

Conference Presentations, Lectures, etc.

- daSilva, D.C. O texto literário goês nos programas de ensino do Português em Goa. *Simpósio Internacional Pensando Goa*, 18 Oct 2016. São Paulo University.
- daSilva, D.C. A canção e as novas tecnologias no ensino-aprendizagem do PLE. *Workshop for teachers of Portuguese*, 22 Jul 2016. Dept. of Portuguese and Goa Board of High Secondary School.
- daSilva, D.C. The image of Woman in the Indian Cinema (**Panalist**). *Int. Interdisciplinary Conf. on Indian Cinema and Women*, 3 Feb 2017. Shree Mallikarjun College of Arts and Commerce, Delem, Canacona, Goa.

Other information

- Mr. daSilva, D.C. is the Director of CLP-Camões, Goa, India

2.2 : FACULTY OF SOCIAL SCIENCES

Departments and Degrees:

Department of Economics	(M.A., M.Phil., Ph. D.)
Department of Sociology	(M.A., M.Phil., Ph. D.)
Department of Philosophy	(M.A., M.Phil., Ph. D.)
Department of History	(M.A., M.Phil., Ph. D.)
Department of Political Science	(M.A., M.Phil., Ph. D.)
Centre for Latin American Studies	(M.A., M.Phil., Ph.D.)
Centre for Women's Studies	(M.A., Ph. D.)
Department of Library and Information Science	(BLISc, MLISc)

FACULTY BOARD (From 31/05/2016 to 09/01/2017)

Dean, Faculty of Social Sciences	Chairman (Ex-Officio)
Head Department of Economics	Member (Ex-Officio)
Head Department of History	Member (Ex-Officio)
Head Department of Philosophy	Member (Ex-Officio)
Head Department of Sociology	Member (Ex-Officio)
Head, Department of Political Science	Member (Ex-Officio)
Director, CLAS	Member (Ex-Officio)
Teacher Incharge, Department of Women Studies	Member (Ex-Officio)
Head, Department of Library Science	Member (Ex-Officio)
Prof. Koshy Tharakan	Member (Ex-Officio)
Prof. P. K. Sudarsan	Member (Ex-Officio)
Prof. (Smt.)Sanjyot D. Pai Vernekar	Member (Ex-Officio)
Prof. Pranab Mukhopadhyay	Member (Ex-Officio)
Dr. Nagendra Rao	Member
Dr. Joana Coelho	Member
Dr. Prakash Desai	Member
Dr. (Ms.) Alakananda P. Shringare	Member
Shri Parag D. Porobo	Member

(The term of the Board is for a period of three yrs from 10/01/2017)

Dr. (Ms.) Seema Risbud	Member
Prof. (Smt) Silvia Maria De Mendonca Norohna	Member (Ex-Officio)
Dr. U. A. Vinay Kumar	Member (Ex-Officio)
Shri Dattesh Parulekar	Member
Dr. (Smt.) Joanna Pereira Coelho	Member

Faculty of Social Sciences



Dean's Report

A meeting of the Faculty Board in Social Sciences was held on **09.03.2017** at 3.30p.m. in room no. BG-47, Department of History. It discussed and decided about the scheduling of classes in the Core and Optional courses in various Departments/Centres under the Faculty to facilitate students to move across the Departments/Centres to opt for Optional courses. Further the members were requested to apply for funded research projects, and publish in standard/refereed journals to enhance the profile of the Faculty. This was felt crucial to implement the suggestion of the NAAC accreditation team (2014), and to prepare for the next round of accreditation. Besides, the increased participation of teachers and students in the various VRPP courses was sought. The members were briefed about the preparation made for the “Seminar on Doctoral Research in Social Sciences” to be organised by the Faculty on 22.03.2017. The members were asked to think on the possibility of establishing a School of Social Sciences.

Seminar

A “Seminar on Doctoral Research in Social Sciences” was organised on 22.03.2017 (10a.m. to 5.15p.m.), under the UGC XII Plan Grant. The seminar was planned to provide a platform for the research scholars of Goa University under the Faculty of Social Sciences to present their research work before the Resource Persons. The fundamental idea was to follow the interdisciplinary approach in Social Science research, and emphasise on research methodology and perspectives of research. Further it was to review the progress of their research work, and provide suggestions to enhance the quality of their research. Prof. Varun Sahni, Vice Chancellor, Goa University, inaugurated the seminar.

The resource persons who contributed to the seminar included Prof. B. Surendra Rao, Professor of History (Retired), Mangalore University; Prof. N. Jayaram, Professor of Sociology (Retired), TISS, Mumbai; Prof. S. S. Patagundi, Professor of Political Science (Retired), Karnatak University, Dharwad; Prof. P. R. Bhat, Professor of Philosophy, IIT, Mumbai, and Prof. Romar Correa, Professor of Economics (Retired), University of Mumbai. The audience included the Faculty members/Research guides and Research scholars. The resource persons expressed their views on research and its crucial components. In all, 37 Research scholars of the Faculty presented their papers/topics, and benefited from the seminar.

Prof. N. Shyam Bhat
Dean, Faculty of Social Sciences

Department of Economics

Faculty:

Full-time

- **S.M. Noronha, Ph.D., Professor and Head** (up to Dec 2016) – Labour Economics & Industrial Relations, Development Economics
- **P.K. Sudarsan, Ph.D., Professor and Head** (from Dec 2016) – International Economics, Economic Theory, Applied Economics
- **Pranab Mukhopadhyay, Ph.D., Professor** – Macroeconomics, Growth and Environment

Contractual

- **M.D. Aiholi, M.A., Assistant Professor** – Labour Economics, Industrial Economics, Financial Economics
- **Amitha Shanbhogue, M.A., Assistant Professor** – Microeconomics, Macroeconomics, International Finance

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Justin Paul	University of Puerto Rico, San Juan, Puerto Rico, USA	Emergence of China and Indian the Global Economy	22 Jul 2016
Prof. C. P. Chandrasekhar	CESP, CESP, Jawaharlal University, New Delhi	Finance Capital and the Transformation of Capitalism in India	27 Feb 2017
Prof. Arun Kumar	CESP, Jawaharlal University, New Delhi	The Impact of Demonetisation on the Indian Economy	21 Mar 2017

Major Thrust Areas and Achievements:

- *Thrust areas:* Labour, Environment, Development and Environmental Economics
- *Achievement:* 2 Students passed NET/SET Examinations

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Is India's Health A Grand Challenge?	10-12 Feb 2017	Difficult Dialogues Inc., New Delhi
Dr. G.V. Kamat Helekar Memorial Lecture	27 Feb 2017	Goa University

Research publications:

Articles in journals († in Scopus Journals):

- †IndiraDevi, P.; LalitKumar; SureshKumar, D.; Manjula, M.; Mukhopadhyay, P.; Raghu, P.; Sharma, D.; Sridhar, R.; Venkatachalam, L. Payment for ecosystem services: Guaranteed farm income and sustainable agriculture. *Economic and Political Weekly*. 52(17); 2017; 12-14. http://www.epw.in/system/files/pdf/2017_52/17/CM_LII_17_290417_P_Indira_Devi.pdf

- [†]Kadam, P.V.; Sudarsan, P.K. Competitiveness of India's software industry: A macro level analysis. *Journal of International Economics*. 7(1); 2016; 17-31.

Articles in conference proceedings

- Lolayekar, A.; Mukhopadhyay, P. Regional income convergence in India and spatial dependence. *12. Annual Conf. on Economic Growth and Development*, Indian Statistical Institute, New Delhi, 19-21 Dec 2016. 2016; 34pp. <http://www.isid.ac.in/~epu/acegd2016/papers/AparnaLolayekar.pdf>

Book chapter

- Mukhopadhyay, P. Global economic challenges: Alone we lag, together we grow. *Economic Challenges for the Contemporary World: Essays in Honour of Prabhat Patnaik* Ed. by: Mausumi Das; Sabyasachi Kar; Nandan Nawn. Sage Publishing (India). 2016; 33-51. <https://www.sagepub.in/books/Book251615>

Book/Monograph

- KaviKumar, K.S.; Anneboina, L.R.; Bhatta, R.; Naren, P.; MeghaNath; Sharan, A.; Mukhopadhyay, P.; Ghosh, S.; daCosta, V.; Pednekar, S. Valuation of Coastal and Marine Ecosystem Services in India: Macro Assessment. *Madras School of Economics, Chennai*. 2016; 93pp. <http://www.mse.ac.in/pub/Monograph-35.pdf>

PhDs:

Degree Awarded: 1

Submitted: 5

Students on Roll: 9

Department of Sociology

Faculty:

Full-time

- **Ganesha Somayaji, Ph.D., Professor and Head** – Social Theory, Social Research Methods, Sociology of Food
- **Joanna P. Coelho, Ph.D., Assistant Professor** – Political Sociology

Contractual

- **Mozinha Fernandes, M.A., Assistant Professor** – Understanding Goa
- **Elizabeth Bara, M.A., Assistant Professor** – Sociology of Culture

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Shri Ateeq-ur-Rehman	Peace and Humanity Forum, Goa	Need for Peace and Humanity in Goa	05/10/2016
Dr. Veena Naregal	Indian Statistical Institute, New Delhi	Colonial Bilingualism, Translation and Modern Publics in Colonial Western India	20/10/2016

Major Thrust Areas:

- Migration and Refugee Studies

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Coelho, J.P. (PI); Somayaji, G. (Co-PI)	Completed	Constructing Nation in The Diaspora: Political Sociological Study of the Tibetan Refugees in Bylakuppe Settlements South India	ICSSR	1.00

Research publications:

Articles in journals:

- Coelho, J.P. The language movement of Goa: Parochial underpinning and instrumental concerns. *Research Journal of Philosophy and Social Sciences*. 42(1); 2016; 53-66.

Articles in conference proceedings

- Somayaji, G. Including the excluded: Collective action and decentralisation - An account of two tribes in Goa. *Marginalisation and Deprivation Studies on Multiple Vulnerabilities. (Proc. of Int. Conf. on Marginalisation, Poverty and Decentralisation, 19-22 Nov 2016). Ed. by: P.P. Balan; Sunny George and T.P. Kunhikannan. Kerala Institute of Local Administration (KILA). 2016; 115-134. <http://dspace.kila.ac.in:8080/jspui/bitstream/123456789/276/1/Marginalisation%20and%20Deprivation%20Studies%20in%20Multiple%20Vulnerabilities.pdf>*

PhDs:*Degree Awarded: 3**Submitted: 3**Students on Roll: 2***Conference Presentations, Lectures, etc.**

- Coelho, J.P. The mainstreaming of the 'doubly marginalised': An examination of the collective actions of Tibetan former political prisoners in India. *Int. Conf. on Marginalisation, Poverty and Decentralisation*, 19-22 Nov 2016. Kerala Institute of Local Administration, Thrissur, Kerala.
- Coelho, J.P. From sacred to profane: The many dimensions of the 2016 parliamentary elections of the Tibetan Diaspora. *Int. Conf. on Global Migration: Rethinking Skills, Knowledge and Culture*, 26-27 Nov 2016. Global Research Forum on Diaspora and Transnationalism (GRFDT), New Delhi.
- Somayaji, G. ICT and Social Transformation in Rural India: Marching towards Desired Type of Society through E-Inclusion. *Nat. Seminar on Changing Trends in Rural India*, 26 Oct 2016. Govt. First Grade College, Shikaripur, Shimoga, Karnataka.
- Somayaji, G. Diaspora, cultural transformations and social ecological transitions in coastal Goa, India. *Int. Conf. on Global Migration: Rethinking Skills, Knowledge and Culture*, 26-27 Nov 2016. GRFDT, New Delhi.
- Somayaji, G. Challenges and usefulness of cultural interpretation of Goa through travelogues: Some ruminations. *Seminar on Goa Through the Travellers' Lens*, 30-31 Mar 2017. Dept. of English, Goa University.
- Somayaji, G. ICT and Social Transformation in Rural India: Marching towards Desired Type of Society through E-Inclusion. *Nat. Seminar on Changing Trends in Rural India*, 26 Oct 2017. Government First Grade College, Shikaripur, Shimoga, Karnataka.

Department of Philosophy

Faculty:

Full-time

- **U.A. Vinay Kumar**, *Ph.D.*, Professor – Vedanta, Indian Philosophy
- **Sanjyot D. Pai-Vernekar**, *Ph.D.*, **Professor and Head** – Applied Ethics
- **Koshy Tharakan**, *Ph.D.*, Professor – Phenomenology and Philosophy of Social Science
- **Milan B. Desai**, *Ph.D.*, Associate Professor – Philosophy of Science, Analytical Philosophy

Contractual

- **Rajavi D. Naik**, *M.A.*, Assistant Professor – Indian Philosophy

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Balganapati Devarakonda	University of Delhi	Philosophy of Humour	6/ 12/ 2016
Prof. William Sweet	St Francis Xavier University, Nova Scotia, Canada	Cultural Identity and Democracy	16 /01/ 2017
Prof. Sonia Sikka	University of Ottawa, Canada	What is Religion?	6 /02/ 2017

Major Thrust Areas:

Thrust areas:

- Indian Metaphysics, Epistemology, Applied Ethics, Philosophy of Social Science, Phenomenology, Philosophy of Science, Analytical Philosophy

Incremental Infrastructure:

- Desktop

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Re-Constructing Indian Philosophical Framework: Quest for Decoding Meaning	28-30 Jan 2017	Indian Council of Philosophical Research , New Delhi

Research publications:

Articles in journals (in SCI Journals):*

- VinayKumar, U.A.; D'Souza, H.A. Is synthesis of world religions possible? *Journal of Indian Council of Philosophical Research*. 33(3); 2016; 341-362. <http://dx.doi.org/10.1007/s40961-016-0066-6>

Book chapters

- Tharakan, K. The book of tidings - Varthamanappusthakam: An 18th century travelogue. *Long-distance Travels: Routes and Mappings*, Ed. by: Anabela Mendes. Universidade Catolica Editora, Lisbon. 2016; 31-42.

- Chattopadhyay-Mukherjee, P.; Rath, A.; Tharakan, K. Between aspiration and imagination: Exploring native-cosmopolitanism in Adib Khan's *Spiral Road* and Mohammad Hanif's *Our Lady of Alice Bhatti*. *Postcolonial Urban Outcasts City Margins in South Asian Literature*, Ed. by: Madhurima Chakraborty and Umme Al-wazedi. Routledge. 2017; 131-139. <https://www.routledge.com/Postcolonial-Urban-Outcasts-City-Margins-in-South-Asian-Literature/Chakraborty-Al-wazedi/p/book/9781138677234>

PhDs:

Degree Awarded: NIL

Submitted: 1

Students on Roll: 6

Conference Presentations, Lectures, etc.

- Pai-Vernekar, S.D. Ontology: Decoding Meaning in Sri Aurobindo. *Re-Constructing Indian Philosophical Framework: Quest for Decoding Meaning*, 28-30 Jan 2017. Dept. of Philosophy, Goa University and ICG, Goa.
- Tharakan, K. Enigma of nature: Deep ecology, Gandhi and environmental ethics. *Int. Seminar on The Enigma of Nature/The Enigma of the Non-Human*. 27-28 Jan 2017. Balvant Parekh Centre for General Semantics and other Human Sciences, Baroda and IIT Gandhinagar.

Department of History

Faculty:

Full-time

- **Pratima P. Kamat, Ph.D., Professor and Head** – Indo-Portuguese History and Maritime Studies, Gender Studies, History of Goa.
- **N. Shyam Bhat, Ph.D., Professor** – Modern Indian History, Indo-Portuguese History, and History of South Kanara.
- **Nagendra Rao, Ph.D., Associate Professor** – Ancient India, Economic and Social History of Western Coastal India.
- **Parag D. Parobo, M.A., Assistant Professor** – Subaltern, Nationalism, Culture, Portuguese Colonialism, Political Economy of Goa, Identity and Bahujan Samaj Polity.
- **Seema S. Risbud, Ph.D., Assistant Professor** – Indo-Portuguese History, Decolonisation Movements, Gender Studies, Social Movements and Indian Culture and Heritage.

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Jayanti Naik	Goa Konkani Akademi, Panaji, Goa	Folklore as a Source for the Study of the History of Goa	15 /3/ 2017
Shri Prajal Sakhardande	Dhempe College of Arts and Science, Panaji, Goa	History and Heritage of Goa from earliest times to 2017	14 /3/ 2017

Major Thrust Areas:

- Indo-Portuguese History and Maritime Studies

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
19. Local History Seminar on the Goan Diaspora Through the Ages and Symposium on Gramdevata Worship in Goa	29/11/2016	Directorate of Archives and Archaeology, Govt. of Goa
Extension programme: Goa Through the Ages: Heritage Walks in Chandor and Loutolim, for the students of Government High School, Shelop-Khurd, Sattari and Azmane High School, Neura, Tiswadi	17 /3/ 2017	Goa University's Directorate of Extra Mural Studies and Extension Services
Elocution Competition on Opinion Poll and Goan Identity	16 Jan 2017	Tristão Bragança Cunha Charity Trust, Panaji,
All Goa Inter-Higher Secondary School Essay and Poster making Competition	23 Sep 2016	Goa University Extension Programme, XIIth Plan

Research publications:

Book chapters:

- Bhat, N.S. ಕೆನರಾದಲ್ಲಿ ಪೋರ್ಚುಗೀಸರು [Kanaradalli Portuguesaru] (in Kannada). *Mangaluru Darshana (in 3 volumes)* Ed. by: B.A. Vivek Rai. Mangalore Urban Development Authority, Mangalore. 1; 2016; 165-182.

- Kamat, P.P. Situating the maritime history of Goa at the foot of the Western Ghats: A study of the unique Boat Deities of Sattari. *Essays in Maritime Studies, Vol. III, Ed. by: Sachin Pendse and Odakkal Johnson*. Maritime History Society, Mumbai. 2016; 79-91.
- Parobo, P.D. Politics in Goa: Instability, identity and capitalist transformation. *State Politics in India, Ed. by: Himanshu Roy, M.P. Singh and A.P.S. Chauhan*. Primus, Delhi. 2017; 243-271.

PhDs:

Degree Awarded: **NIL**

Submitted: **NIL**

Students on Roll: **6**

Conference Presentations, Lectures, etc.

- Parobo, P.D. Viewing the difference: Politics and identity in Richard Burton's Goa and the blue mountains. *Seminar on Goa through the Traveller's Lens*, 30 Mar 2017. Department of History, Goa University.
- Parobo, P.D. What to do now?: Political discourses on migration in the early twentieth century Goa. *19. Local History Seminar on Goan Diaspora Through the Ages and Symposium on Gramdevata Worship in Goa*, 29 Nov 2016. Directorate of Archives and Archaeology, Government of Goa, in collaboration with the Department of History, Goa University.
- Risbud, S.S. Goans and Bhodan Chalval in India. *19. Local History Seminar on Goan Diaspora Through the Ages and Symposium on Gramdevata Worship in Goa*, 29 Nov 2016. Directorate of Archives and Archaeology, Government of Goa, in collaboration with the Department of History, Goa University.
- Risbud, S.S. Revolutionary songs in Marathi and Konkani languages and Goa's struggle for freedom. *Seminar on Goa's Freedom Struggle*, 19 Dec 2016. Bhaktimarg Sadhan Sanstha, Shivoli and Directorate of Art and Culture, Govt. of Goa.

Lectures on other occasions

- Bhat, N.S. Environmental History and Historiography (**Distinguished Endowment Lecture**). 26 Nov 2016. Dept. of History, Kannada University, Hampi, Karnataka.

Department of Political Science

Faculty:

Full-time

- Rahul Tripathi, Ph.D., Associate Professor and Head – International Political Economy/South Asia
- Prakash S. Desai, Ph.D., Assistant Professor – Political Theory, Democratic Politics in India, Modern Indian Political Thought
- Alaknanda Shringare, Ph.D., Assistant Professor – Democratic Governance, Public Administration, Rural Development

Contractual

- Shilpa S.P. Singh, M.A., Assistant Professor – International Relations, Political Economy

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Amaresh Kumar	Institute of Food Security, Gurgaon	Debating Food Security in India1	6 /12/ 2016
David Devdas	Institute of Social Sciences, New Delhi	Contemporary Kashmir	25 /01/ 2017
Suhas Palshikar	University of Pune and CSDS, New Delhi	Dominant Castes and Claims for Backwardness	10 /02/2017

Major Thrust Areas and Achievements:

- *Thrust areas:* Decentralization and Panchayati Raj as major component of Research Advocacy. Electoral survey focusing on both voter's perceptions as well as political trends, through partnership with institutions like the Election Commission of India and the Centre for Study of Developing Society, New Delhi
- Achievement: Publication of the book '50 Years of Panchayati Raj in Goa'

Incremental Infrastructure:

- Printer, Scanner and Copier (1 no. each)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Tripathi, R. (PI); Desai, P.S.; Shringare, A. (Co-PI)	Completed	Baseline Survey of the Knowledge, Attitudes, Beliefs, Behaviour and Perceptions (KABBP) of Electors in Goa for the Assembly Election 2017	CEO, Goa / Election Commission of India	4.50
Shringare, A.	Completed	Post-Poll Survey 2017 Goa	CSDS, New Delhi	2.14
Tripathi, R.	Ongoing	Knowledge, Attitude, Belief, Practices, KABP Endline Survey of Electors in Goa 2017	CEO, Goa / Election Commission of India	4.50

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Workshop on Human Rights and Duties Education: Annual Political Science Festival	10 /3/2016	University Grants Commission
Workshop on Gram Panchayat Development Plan: Veling-Priol	25 /3/ 2017	Board of Extra Mural Studies and Extension Services (Goa University)

Collaborations/ MoUs / Linkages created with other organizations:

Organization	Objectives	Period	Contact person in Dept
Election Commission of India/ Office of Chief Electoral Officer, Goa	To Conduct a Survey of Knowledge, Attitude, Belief and Perceptions of Voter's in Goa	Nov-Dec 2016	Dr Rahul Tripathi

Research publications:*Articles in journals:*

- Shringare, A. Land, development and resistance: An issue of Mopa International Airport. mySociety. 10(1&2); 2016; 11-27.
- Tripathi, R. Between the region and the World: Understanding India's 'complex' multilateral diplomacy. World Focus. 444; 2016; 17-25. <http://www.worldfocus.in/magazine/indias-foreign-policy-series-2-2016/>
- Tripathi, R. Is there a global South? A perspective from South Asia. South Asian Survey. 21(1-2); 2014 (published in 2017); 138-150. <https://doi.org/10.1177/0971523115592518>

Book chapters

- Desai, P.S. Perspectives on self-governance or local-governance in India: From Gandhi to new social movements. 50 Years of Panchayat Raj in Goa: Retrospect and Prospects, Ed. by: Alaknanda Shringare, P.S. Desai and Rahul Tripathi. Broadway Publishing House, Panaji. 2016; 7-20.
- Shringare, A. Challenges to decentralized governance in Goa. 50 Years of Panchayat Raj in Goa: Retrospect and Prospects, Ed. by: Alaknanda Shringare, P.S. Desai and Rahul Tripathi. Broadway Publishing House, Panaji. 2016; 195-207.

Book:

- Shringare, A.; Desai, P.S.; Tripathi, R. Eds. 50 Years of Panchayat Raj in Goa: Retrospect and Prospects. Broadway Publishing House, Panaji. 2016; 207pp.

PhDs:

Degree Awarded: NIL Submitted: NIL Students on Roll: 8

Conference Presentations, Lectures, etc.

- Desai, P.S. The Idea of India: Ambedkar's Struggle and Vision. Nat. Seminar on Bharat Ratna Dr. B.R. Ambedkar's Vision for Modern India, 4 Nov 2016. Rani Chennamma University, Belgaum, Karnataka.
- Desai, P.S. Indian Response to the Human Rights: Towards Change or Continuity? Nat. Seminar on Relevance of Human Rights in the Indian Context, 30 Mar 2017. Lingaraj College, Belgaum, Karnataka.

- Shringare, A. Changing Party Competition in Goa. Seminar on Party Competition in Indian States, 3-5 Apr 2017. Centre for Study of Developing Societies, New Delhi.
- Tripathi, R. Workers, marginality and its contestations: A case study of mining workers in Goa. Workshop on Workers and Margins, 24 Mar 2017. Indian Institute of Management, Calcutta.
- Tripathi, R. Goa: A Political economy Perspective (Invited Lecture). Conf. on Ensuring Accountability in Goa 2030: Challenges and Opportunities, 25 Feb 2017. ARA Cell, .
- Tripathi, R. Atrocities against SC-STs and minorities and safeguards available (Invited Lecture). Workshop on Human Rights and Marginal Groups, 9 Feb 2017. V.M Salgaonkar College of Law, Miramar, Goa.
- Tripathi, R. Identity and politics: A South Asian perspective (Invited Lecture). Symp. on Identity Politics in making of Conflict or Confluence, 27 Jan 2017. Committee for the Apostolate of Inter-Religious-Dialogue in collaboration with the Committee for the Apostolate of Inculturation, Margaon.
- Tripathi, R. Making sense of an uncertain world: International political economy and the global south. Globalization and international relations: Political economic and cultural implications on the global south, 14-15 March 2017. Dept. of Political Science, Hyderabad Central University, Hyderabad.
- Tripathi, R. Reclaiming dialogue in Indian politics (Invited lecture). Nat. Seminar on Nurturing Dialogues: Forms, Persons and Institutions, 15 Mar 2017. Carmel College for Women, Nuvem, Goa.
- Tripathi, R. India through the Pakistani mind: An exploratory study. Nat. Seminar on The India-Pakistan Conflict: Assessing India's Options, 20-21 Mar 2017. Dept. International Relations, Central University of Kerala, Kasaragod.

Lectures on other occasions

- Desai, P.S. Narrating Nation (Invited Lecture). Refresher Course. 10 Aug 2016. UGC-HRD Centre, Goa University.
- Desai, P.S. India as a Nation (Invited Lecture). Refresher Course. 10 Aug 2016. UGC-Human Resource Development Centre, Goa University, Goa.
- Tripathi, R. 1) India-Japan partnership and 2) India and the emerging global political economy (Invited Lectures). 10-11 Jun 2016. College of International Relations, Nihon University Mishima, Japan.

Other Information

- Professors P.S. Desai and A. Shringare acted as Session Chair in Seminar on Women Headed Panchayats and Empowerment of Women at Grassroots during 8-9 Jul 2016 organized by Dept. of Political Science, Government College of Arts, Science and Commerce, Khandola, Goa

UGC Centre for Latin American Studies

Faculty:

Full-time

- **Aparajita Gangopadhyay, Ph.D., Professor and Director** – Latin American Studies, International Relations
- **Dattesh Parulekar, M.A.**, Assistant Professor – International Relations/Area Studies

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr.Lia Rodriguez de la Vega	Palernmo University, Buenos Aires Argentina	India and Argentina: the Dimensions of knowledge in the Bilateral Relations	28 /11/ 2016
Dr. Juan Miguel Massot	University of Buenos Aires, Argentina	India and Latin America: Mutual Discovery and Economic Challenges Ahead	28 /11/ 2016
Prof. Alistair Cole	Lyons Po, France	European Politics in crisis	6 /01/ 2017
Prof. K.P. Vijayalakshmi	Centre for Canadian, US and Latin American Studies, SIS, JNU, New Delhi	Trump and the US Foreign Policy	15 /03/ 2017
Prof. Melissa Fitch	University of Colorado Denver, USA	Latin American Popular Culture in India	31 /03/ 2017

Major Thrust Areas:

- Brazilian Studies programme
- India-Pacific Alliance cooperation and engagement
- India-Latin America Relations
- BRICS

Incremental Infrastructure:

- 2 computers

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Seminar on BRICS	12 Aug 2016	UGC Area Study Programme

PhDs:

Degree Awarded: NIL *Submitted:* NIL *Students on Roll:* 4

Conference Presentations, Lectures, etc.

- Gangopadhyay, A. BRICS: Convergences in education between India and Brazil. *Nat. Seminar on Brick upon Brick for a Stronger BRICS: Challenges and Opportunities*, 12 Aug 2016. CLAS, Goa University and ICG.

- Gangopadhyay, A. India's policy towards regional integration in South America: Building synergies or cultivating differences. *Int. Conf. on Focus Latin America: The Need for an Effective Programme*, 25 Oct 2016. Indian Council of World Affairs, New Delhi.
- Parulekar, D.D. The geostrategies of BRICS: Composite multilateralism in pursuance of collectivized South-South cooperation. *Brick-Upon-Brick For A Stronger Brics: Challenges & Opportunities*, 12 Aug 2016. UGC Centre for Latin American Studies, Goa University.
- Parulekar, D.D. From poverty alleviation to poverty elimination within BRICS: Structural transformation and strategic context in India's experiential quest. *BRICS Perspectives on Development and Governance*, 24-25 Sep 2016. Fudan University, Shanghai, PRC.
- Parulekar, D.D. Harnessing cooperation through BRICS: Instructive lessons and experiences from Sanya **(Invited lecture)**. *BRICS 2016: Advantage Goa!*, 10 Oct 2016. The Confederation of Indian Industry & CII-Young Indians (YI), Margao.
- Parulekar, D.D. Strategic trends in the Indo-Pacific': India's opportunities, challenge and options. *The New Great Game in the Indo-Pacific*, 21-22 Oct 2016. Regional Centre for Strategic Studies (RCSS) Colombo.
- Parulekar, D.D. The role of academia, India's intellectual universe and global links in nation-building **(Invited lecture)**. *Conclave of 'Nation First' Thinkers & Policy Practitioners*, 12-14 Nov 2016. Pragya Pravah-India Policy Foundation (IPF), Bhopal.
- Parulekar, D.D. Threats to freedom of navigation: Prospects for cooperative solutions in maritime domain **(Invited lecture)**. *Global Maritime Symposium*, 6 Oct 2016. Naval War College, INS Mandovi, Goa.
- Parulekar, D.D. Opportunities and challenges for Asian regional cooperation in twenty first globalization. *Regionalism and Globalism in 21st Century Asia*, 23-26 Mar 2017. The Boao Forum for Asia (BFA) 2017, Hainan Province, China.
- Parulekar, D.D. Acting East in contemporary Indian foreign policy: The logic of continuity meets the challenge of change. *Act East Policy of NDA II and Primary Goals: Economic Development, Democracy and National Security*, 27-29 Apr 2017. Vidya Prasarak Mandal's Centre for International Studies (CIS), Mulund, Mumbai.

Lectures on other occasions

- Parulekar, D.D. Contemporary Sino-Indian relations: The strategic context and consequence **(Invited Lecture)**. 20 Jul 2016. The China Watcher's Club, College of Defence Management (CDM), Secunderabad.
- Parulekar, D.D. Economic and security drivers shaping Indian foreign policy amidst regional and global complex interdependence **(Invited Lecture)**. 21 Jul 2016. College of Defence Management (CDM), Secunderabad.
- Parulekar, D.D. Regional and global power reconfiguration in the Asia-Pacific: Shifting trends and patterns in transition (Invited Lecture). 22 Jul 2016. The Naval War College (NWC), INS Mandovi, Verem, Goa.
- Parulekar, D.D. India-Africa relations: Retrospect and prospect **(Invited Lecture)**. 16 Sep 2016. The Naval War College (NWC), INS Mandovi, Verem, Goa.
- Parulekar, D.D. Whither a Trump presidency: Impulses, imperatives and expectations in the global realm **(Invited Lecture)**. 16 Nov 2016. Confederation of Indian Industry (CII-Young Indians), Panaji, Goa.
- Parulekar, D.D. From balance-of-power to the power-of-balance in contemporary Indian foreign policy: Managing interests, impulses and strategic equilibrium, across India-China and India-Japan engagement **(Invited Lecture)**. 23 Sep 2016. Center for South Asian Studies and the Center for Japanese Studies, Fudan University, Shanghai, PRC.

Centre for Women's Studies

Faculty:

Full-time

- **Shaila Desouza, Ph.D., Assistant Professor and Head** – Gender, Health, Development, Law and violence

Contractual

- **Mamta Kumari, Ph.D.**, Assistant Professor – Gender, Education, Political Process and Law
- **Kajal Kerkar, M.A.** Assistant Professor – Health and Education

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Ganpat Kutiker & Sandhya Naik	RTI Forum Goa	Right to Information	28/7/ 2016
Saumya Nanda Sahi and Tanushree Das	Independent film makers	Remembering Kurdi: A Film Screening and Discussion on Displacement and its Impacts on Women	24 /8/ 2016
Rahul Basu & Joanna Pyres	Goenchi Mati Movement	Mining and the Environment in Goa	31 /8/ 2016
Prajat Sakhardande	Dhempe College, Cujira, Goa	Women's Participation in Goa's Liberation Movement	26 /10/ 2016
Kavita Raturi	Research Scholar, JNU	Experiences with Data Collection	26 /2/ 2017
Jyoti Dhawale	HIV Ambassador and Activist	HIV and Women's Empowerment	27 /2/ 2017
Mahalaxmi Bhole	Social Worker/Researcher	Vocational Education and Training	28 /2/ 2017
Dr. Kamalaven and Dr. K. Mangayaloromi	Women's Studies Dept. Bharathiar University, Coimbatore	Women's Studies Programme in Bharathiar University, Coimbatore: Interactive Session	30 /3/ 2017

Major Thrust Areas and Achievements:

- *Thrust area:* Launch M.A. in Women's Studies Programme
- *Achievements:* Enrolled 14 students for the M.A. Programme and 5 PhD Scholars; MOU with the State Resource Centre for Women

Incremental Infrastructure:

- Laptop (1 no.)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
DeSouza, S.	Completed	Sanghamitra: Goa State Coalition for Reproductive and Social Health of Adolescents	NMEW	25.00

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Purple Campaign for Gender Equality in P.E.S. College, Ponda and Khandola College of Commerce and Arts, Marcela, Goa	22 Jul 2017	Goa University
Sanghmitra Publication Release and Intercollegiate Quiz Competition	13 Jan 2017	National Mission For the Empowerment of Women, New Delhi
Making Equality a Reality- A festival of Intercollegiate Competitions to commemorate International Women's Day	8 Mar 2017	Goa University
Workshop on Legal Awareness for Anganwadi Teachers in Goa	17-18 Mar 2017	National Commission for Women, New Delhi

Funding received by the department (e.g. UGC-SAP, CAS, DST-FIST, DPE, DBT Scheme/funds, Any other)

Agency (Please do not list sponsored/consultancy projects here – FOR DEPARTMENTAL FUNDING ONLY)	Amount (Rs. In lakhs)
UGC under XIIth Plan grant to Women's Studies	10.23
National Commission for Women (NCW)	1.0

Collaborations/ MoUs / Linkages created with other organizations:

Organization	Objectives	Period	Contact person in Dept
Ministry of Women and Child Welfare, GoI through the Department of Women and Child, Govt. of Goa	Setting up a State Resource Centre for Goa at Goa University	Apr 2017 onwards	Dr. Shaila Desouza

Research publications:*Articles in journals:*

- Desouza, S. The politics of beauty: What's not looking good about 'beauty' in India. *Nivedini: Journal of Gender Studies*. 21; 2016; 65-84.

Articles in conference proceedings

- Dias, K.S.; Cardoz, S.M. Tourism footprints on society: Young Goan women speak out. *Proc. 3. Kanita Postgraduate Int. Conf. on Gender Studies*, 16–17 Nov 2016, Universiti Sains Malaysia, Penang. 2016; 352-359. <http://eprints.usm.my/id/eprint/31311>

Books and monographs

- Desouza, S.; Kerkar, K. Sanghmitra: A guide to Adolescents. *Goa University*. 2017; 120pp.

PhDs:

Degree Awarded: NIL

Submitted: NIL

Students on Roll: 5

Department of Library and Information Science

Faculty:

Dr. Gopakumar V., Co-ordinator, University Librarian, MLISc., PhD

Dr. Vikrant P. Malwankar, Library Assistant, MLISc., Ph.D

Contractual

Smt. Dakshata Zambulkar, M.L.I.Sc., NET

Smt. Supriya Naik, M.Com. NET, M.L.I.Sc. NET-SET

Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP)

Faculty:

N. Shyam Bhat, Ph.D., Dean, Faculty of Social Sciences, Coordinator - Modern Indian History, Indo-Portuguese History and Environmental History of Western India

Full-time

- **Vijay M. Gawas, M.A., LL.M.** Assistant Professor cum Assistant Director – Human Rights, Constitutional Law of India, Tribal Rights, Child Rights, Disability Rights, Women's Rights, Labour Law, Legal Aid, Consumer Protection and Environmental Law

Major Thrust Areas and Achievements:

- Undertaking studies in the areas of social exclusion and inclusive policies and programmes in India with special reference to Goa

Research publications:

Articles in Books, Conference Proceedings:

Gawas, V.,

- Gawas, V.M. Violence against woman and human rights: Issues and perspectives. *Pune Research Discovery*. 1(3); 2016; 11pp. <http://puneresearch.com/media/data/issues/582806767d8c7.pdf>
- Gawas, V.M. Right to life is constitutional provisions for the basic necessities to scheduled tribes. *Pune Research Scholar*. 2(6); 2016; 14pp. <http://puneresearch.com/media/data/issues/5850e43fd9b90.pdf>
- Gawas, V.M. Analysis of the beneficial provisions of constitutional framework of legal rights and the legislative enactment of the disabled persons in India. *International Journal of Law*. 3(3); 2017; 180-185.

2.3 FACULTY OF NATURAL SCIENCES

Departments and Degrees:

Department of Chemistry	(M. Sc., M.Phil., Ph. D.,)
Department of Mathematics	(M. Sc., M.Phil., Ph. D.)
Department of Computer Sc & Tech	(M. C. A., M.Phil., Ph. D.)
Department of Physics	(M. Sc., M.Phil., Ph. D.)
Department of Electronics	(M. Sc., M.Phil., Ph. D.)
Department of Earth Science	(M. Sc., M.Phil., Ph. D.)

FACULTY BOARD (Till 28/03/2016)

Dean, Faculty of Natural Sciences	Chairman (Ex-Officio)
Head, Department of Physics	Member (Ex-Officio)
Head, Department of Chemistry	Member (Ex-Officio)
Head, Department of Mathematics	Member (Ex-Officio)
Head, Department of Electronics	Member (Ex-Officio)
Head, Department of Computer Science & Tech.	Member (Ex-Officio)
Head, Department of Earth Science	Member (Ex-Officio)
Prof. J. A. E. Desa	Member (Ex-Officio)
Prof. V. P. Kamat	Member (Ex-Officio)
Prof. K. Mahender	Member (Ex-Officio)
Prof. Santosh Tilve	Member (Ex-Officio)
Prof. R. V. Pai	Member (Ex-Officio)
Prof. V. S. Nadkarni	Member (Ex-Officio)
Prof. K. R. S. Priolkar	Member (Ex-Officio)
Dr. Anthony A.A.A. Viegas	Member
Dr. V. M. S. Vernekar	Member
Dr. Jyoti Pawar	Member
Dr. M. Kunhanandan	Member
Dr. Jivan S. Parab	Member

Faculty of Natural Sciences



Dean's Report

I am delighted to share the tremendous progress made by faculty of Natural Sciences in the last one year. The faculty comprises of Physics, Chemistry, Mathematics, Electronics, Computer Science & Tech, Earth Sciences departments and an Instrumentation Centre(USIC). This year we had an opportunity to interact with Prof. Ajit Yoganathan, founder member of Biomedical engineering group at Georgia Tech University, USA, who gave lecture on Opportunities of Higher learning. He was passionate by our thriving progress in the various areas of Natural Science and suggested for joint collaboration. Also, we had visitor Dr. Andreas Hoser from Helmholtz Zentrum Berlin, Germany who gave talk on Neutron Powder Diffraction Study of Phase Transitions. Dr. Manoranjan Kumar from S.N. Bose National Center for Basic Sciences, Kolkata delivered a talk Multipolar Phase in a Frustrated Ferromagnetic Spin-1/2 Chain. Many of our departments have collaborative programs with foreign universities and Institutes such as University of Kiel, Germany; University of Guelph, Canada; Ewha Woman's University, Korea; University of Aveiro, Portugal. The total intake of students for masters program is 255 per year. There are in all 71 research Scholars registered for Ph.D program. Most of the departments were successful in securing BSR and Visveswaraya fellowship for their research students, which includes contingencies for registration and travelling to participate national and International conferences. In all there were 83 research publications from the faculty in reputed journals. Teachers and students participated as many as 48 national and International conferences. The faculty has as many as 24 R&D and Infrastructure building up projects supported by central funding agencies. This year 11 symposium/conferences/workshops were conducted for the benefit the college teachers and students. The Instrumentation facility housed in USIC has catered to the various needs of researchers. Based on the successful model of providing services of SEM to all industries and other universities, the university has embarked on including many other sophisticated equipment to offer such services. The faculty hopes to add many new achievements in coming years.

Prof. Gourish Naik
Dean, Faculty of Natural Sciences

Department of Chemistry

Faculty:

Full-time

- **B.R. Srinivasan, Ph.D., Professor and Head** – Inorganic Chemistry
- **A.V. Salker, Ph.D.,** Professor – Catalysis And Solid State Chemistry
- **V.P. Kamat, Ph.D.,** Professor – Organic Chemistry
- **S.G. Tilve, Ph.D.,** Professor – Organic Chemistry
- **V.S. Nadkarni, Ph.D.,** Professor – Organic Chemistry
- **R.N. Shirsat, Ph.D.,** Associate Professor – Theoretical & Computational Chemistry
- **V.M.S. Verenkar, Ph.D.,** Associate Professor – Inorganic & Solid State Chemistry
- **S.N. Dhuri, Ph.D.,** Assistant Professor – Inorganic Chemistry
- **S.V. Girkar, M.Sc.,** Assistant Professor – Organic Chemistry
- **P.R. Singh, Ph.D.,** Assistant Professor – Physical Chemistry
- **P.P. Morajkar, Ph.D.,** Assistant Professor – Physical Chemistry
- **M.S. Majik, Ph.D.,** Assistant Professor – Analytical Chemistry
- **K.B. Deshpande, Ph.D.,** Assistant Professor – Analytical Chemistry
- **G.N. Gururaja, Ph.D.,** Assistant Professor – Analytical Chemistry

Contractual

- **Prachi Torney, Ph.D.,** Assistant Professor – Organic Chemistry
- **Sonia Parsekar, Ph.D.,** Assistant Professor – Organic Chemistry
- **Mithil Fal Desai, M.Sc.,** Assistant Professor – Inorganic Chemistry
- **Bhanudas R. Naik, Ph.D.,** Assistant Professor – Physical Chemistry
- **Kashinath Dhumaskar, Ph.D.,** Assistant Professor – Analytical Chemistry

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. R. Kothanda	University of California, Santa Barabara	Hetero-bimetallic complex: Combining early and late transition metal chemistry and catalysis	7 Oct 2016
Miss Anjani Nagvenkar	Bar-Ilan University, Israel	Journey into Research world	16 Dec 2016
Mr. V. Lokhande	Borosil Glasswork Pvt. Ltd.	Safe handling of glassware	24 Jan 2017
Dr. F.V. Singh	VIT University, Chennai	Iodine and Selenium electrophiles in Organic Synthesis	31 Jan 2017
Dr. A. A. Vernekar	Massachusetts Institute of Technology (MIT), United States	Bioinorganic chemistry approach to nanozymes and eukaryotic viruses and their biomedical applications	28 Feb 2017

Major Thrust Areas and Achievements:*Thrust areas:*

- Materials Chemistry and Organic Syntheses
- Computational & Theoretical chemistry

Incremental Infrastructure:

- HPLC in analytical lab: Jasco HPLC (model:HPLC-4000s,with UV detector and dual pump).
- High pressure/ Mercury photocatalytic reactor.
- High pressure high temperature compact stirred Reactor (Parr USA)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Majik, M.S.	Ongoing	Development of Analytical Methods and their Application in Biomolecular and Environmental Research	UGC	6.00
Majik, M.S.	Ongoing	Development of Nucleosides and Marine Natural Products-Based Therapeutics and Their Synthetic Studies	DST	24.00
Morajkar, P.	Ongoing	Synthesis Characterization and Photocatalytic Application of Nanocomposites	UGC	6.00
Morajkar, P.	Ongoing	Effect of Reservoir Rock Composition on Oxidation of Hydrocarbons	DST	48.40
Nadkarni, V.S.	Completed	Development of Novel Polymeric Detectors for Selective Dosimetric Analysis	AERB	25.19
Srinivasan, B.R.	Ongoing	Hydrothermal Synthesis, Characterization and Properties of New S-block Metal-Organic Frameworks	UGC	9.92
Santosh, G.	Ongoing	Self Assembly of Amphiphilic Donor Acceptor Dyads in to Nanostructures for Applications in Optoelectronics	DST	35.00
Nadkarni, V.S.	Ongoing	Development of Novel Polymeric Detectors for Selective Dosimetric Analysis	AERB	25.19
Singh, P.R.*	-	Electrochemical Studies of Polycrystalline Gold and Platinum Electrodes in Surfactant and Ionic Liquid Media and its use for Study of some well known Redox Systems	UGC	6.00
Singh, P.R.*	-	Electrochemical Preparation of Polyaniline-carbon Nanoparticles (PANI-CNPs) and Polyaniline-carbon Nanoparticles with Pt Nanoparticles (PAN-CNPs-Pt)....Fuel Cell Applications	SERB	27.00
Tilve, S.G.	Ongoing	Intramolecular Dehydrogenative Coupling (IMDC) Reactions for the Synthesis of Heterocyclic Scaffolds	DST-SERB	42.11
Tilve, S.G.	Ongoing	Green Chemistry Approach for the Synthesis of Bioactive Heterocycles	UGC	9.33
Tilve, S.G.	Ongoing	Diastereo and Enantioselective Synthesis of Alkaloids Containing Pyrrolidine and Piperidine Motif	CSIR	24.86

*Expired in November 2016

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Quiz competition on Basics in Chemical Industry	20 Dec 2016	Tokyo Chemical Industry
Home coming Meet of M.Sc. batch after 25 yrs	26 Jan 2017	Chemistry Department Faculty and Alumni Association (CDFAA)
All Goa Chemistry Quiz 2017 for M.Sc. (Chemistry)	21 Feb 2017	Association of Chemistry Teachers (ACT) of Goa
The 11 th Annual Inter collegiate Chemistry Symposium	18 Mar 2017	UGC-SAP, Department of Chemistry

Patent filed:

- Nadkarni V.S.; Naik, D.G. Allylic thiodiglycol sulfone carbonate, polymers thereof and their use in detection of ionizing radiations. Indian Patent Application No 201621021793

Research publications:

Articles in journals (* in SCI Journals; † in Scopus journals):

- *Bakre, P.V.; Volvoikar, P.S.; Vernekar, A.A.; Tilve, S.G. Influence of acid chain length on the properties of TiO₂ prepared by sol-gel method and LC-MS studies of methylene blue photodegradation. *Journal of Colloid and Interface Science*. 474; 2016; 58-67. <http://dx.doi.org/10.1016/j.jcis.2016.04.011>
- †Braganza, C.F.; Salker, A.V. Vapor phase methylation of phenol on Fe-substituted ZrO₂ catalyst. *Chinese Journal of Catalysis*. 37(11); 2016; 1991-1996. [http://dx.doi.org/10.1016/S1872-2067\(16\)62527-5](http://dx.doi.org/10.1016/S1872-2067(16)62527-5)
- *Coutinho, D.M.; Vernekar, V.M.S. Preparation, spectroscopic and thermal analysis of hexa-hydrazine nickel cobalt ferrous succinate precursor and study of solid-state properties of its nanosized thermal product, Ni sub(0.5)Co sub(0.5)Fe sub(2)O sub(4). *Journal of Thermal Analysis and Calorimetry*. 128(2); 2017; 807-817. <http://dx.doi.org/10.1007/s10973-016-6011-8>
- *Fernandes, R.; Srinivasan, B.R. Does thiosemicarbazide lead nitrate (TSLN) crystal exist? *Optik: International Journal for Light and Electron Optics*. 127(11); 2016; 4746-4747. <http://dx.doi.org/10.1016/j.ijleo.2016.01.138>
- *Gawas, S.G.; Gawas, U.B.; Vernekar, V.M.S.; Kothawale, M.M.; Pednekar, R. Structural and magnetic studies of Cu-substituted nanocrystalline Ni-Zn ferrites obtained via hexamine-nitrate combustion route. *Journal of Superconductivity and Novel Magnetism*. 30(6); 2017; 1447-1452. <http://dx.doi.org/doi:10.1007/s10948-016-3937-9>
- *Gawas, S.G.; Meena, S.S.; Yusuf, S.M.; Vernekar, V.M.S. Anisotropy and domain state dependent enhancement of single domain ferrimagnetism in Cobalt substituted Ni-Zn ferrites. *New Journal of Chemistry*. 40(11); 2016; 9275-9284.
- *Kadam, H.K.; Tilve, S.G. An alternate synthesis of 6H-Indolo[2,3-b]quinoline via one-pot alkylation-dehydration-cyclization-aromatization approach. *Journal of Heterocyclic Chemistry*. 53(6); 2016; 2066-2069. <http://dx.doi.org/10.1002/jhet.2213>
- *Kamat, D.P.; Tilve, S.G. Total synthesis of naturally occurring 1-oxygenated carbazole alkaloids - clausine E, clausenapin, indizoline and formal synthesis of clausenaline D. *ARKIVOC*. (4); 2016; 11-22. <http://dx.doi.org/10.3998/ark.5550190.p009.836>
- *Khandolkar, S.S.; Naik, A.R.; Nather, C.; Bensch, W.; Srinivasan, B.R. Synthesis, crystal structure and photochemistry of Hexakis(butan-1-aminium) heptamolybdate(VI) tetrahydrate. *Journal of Chemical Sciences*. 128(11); 2016; 1737-1744. <http://www.ias.ac.in/article/fulltext/jcsc/128/11/1737-1744>

- *Majik, M.S. Bgugaine: An account of isolation, biological perspective and synthetic aspects. *Letters in Organic Chemistry*. 14(3); 2017; 147-152. <http://www.ingentaconnect.com/contentone/ben/loc/2017/00000014/00000003/art00002>
- *Naik, D.G.; Nadkarni, V.S. Poly(triallyl phosphate) and its copolymers with allyl diglycol carbonate as solid state nuclear track detectors. *Designed Monomers and Polymers*. 19(7); 2016; 643-649. <http://dx.doi.org/10.1080/15685551.2016.1187445>
- *Naik, M.Z.; Salker, A.V. Tailoring the super-paramagnetic nature of MgFe(2)O(4) nanoparticles by In sup(3+) incorporation. *Materials Science and Engineering. B*. 211; 2016; 37-44. <http://dx.doi.org/10.1016/j.mseb.2016.05.019>
- *Naik, M.Z.; Salker, A.V. A systematic study of cobalt doped In sub(2)O sub(3) nanoparticles and their applications. *Materials Research Innovations*. 21(4); 2016; 237-243. <http://dx.doi.org/10.1080/14328917.2016.1207044>
- *Parmekar, M.V.; Salker, A.V. Room temperature complete reduction of nitroarenes over a novel Cu/SiO2@NiFe2O4 nano-catalyst in an aqueous medium- a kinetic and mechanistic study. *RSC Advances*. 6(110); 2016; 108458-108467. <http://dx.doi.org/10.1039/C6RA21942J>
- *Patil, S.N.; Tilve, S.G. Concise access toward chiral hydroxy phenylpropanoids: Formal synthesis of Virolongin B; Kigelin; Kurasoin A; 4-Hydroxysattabacin and Actinopolymorphol A. *Tetrahedron Letters*. 57(30); 2016; 3371-3375. <http://dx.doi.org/10.1016/j.tetlet.2016.06.070>
- *Petrosyan, A.M.; Srinivasan, B.R. On the influence of L-threonine on thiourea and urea on L-threonine. *Materials Research Innovations*. 21(6); 2017; 377-378. <http://dx.doi.org/10.1080/14328917.2016.1265262>
- *Salker, A.V.; FalDesai, M.S. Catalytic activity and mechanistic approach of NO reduction by CO over M(0.05)Co(2.95)O(4) (M = Rh, Pd and Ru) spinel system. *Applied Surface Science*. 389; 2016; 344-353. <http://dx.doi.org/10.1016/j.apsusc.2016.07.121>
- *Salker, A.V.; FalDesai, M.S. CO-NO/O2 redox reactions over Cu substituted cobalt oxide spinels. *Catalysis Communications*. 87; 2016; 116-119. <http://dx.doi.org/10.1016/j.catcom.2016.09.016>
- *Srinivasan, B.R. Is 'manganese sulpho tartrate' a new nonlinear optical crystal?. *Optik: International Journal for Light and Electron Optics*. 127(12); 2016; 5044-5045. <http://dx.doi.org/10.1016/j.ijleo.2016.02.057>
- *Srinivasan, B.R. Comments on "Growth and characterization of tris thiourea magnesium zinc sulphate single crystals" by Bhuvaneswari et al., *Optik* 126 (2015) 3731–3736. *Optik: International Journal for Light and Electron Optics*. 127(12); 2016; 5097-5098. <http://dx.doi.org/10.1016/j.ijleo.2016.02.062>
- *Srinivasan, B.R. Is bis (thiourea) strontium chloride a potential optoelectronic material?. *Optik: International Journal for Light and Electron Optics*. 127(16); 2016; 6477-6478. <http://dx.doi.org/10.1016/j.ijleo.2016.04.135>
- *Srinivasan, B.R. Comments on "Growth and characterization of tris thiourea magnesium zinc sulphate single crystals" by Bhuvaneswari et al., *Optik* 126 (2015) 3731–3736. *Optik: International Journal for Light and Electron Optics*. 127(12); 2016; 5097-5098. <http://dx.doi.org/10.1016/j.ijleo.2016.02.062>
- *Srinivasan, B.R. Is 'manganese sulpho tartrate' a new nonlinear optical crystal?. *Optik - International Journal for Light and Electron Optics*. 127(12); 2016; 5044-5045. <http://dx.doi.org/10.1016/j.ijleo.2016.02.057>
- *Srinivasan, B.R. Comments on "Synthesis and characterization of gadolinium tungstate doped zinc oxide photocatalyst, *Indian J Chem*, 56A (2017) 50-56". *Indian Journal of Chemistry Section A-Inorganic Bio-Inorganic Physical Theoretical and Analytical Chemistry*. 56(3); 2017; 305-306. <http://nopr.niscair.res.in/handle/123456789/59>
- *Srinivasan, B.R.; Dhavskar, K.T.; Nather, C. Syntheses, structures and properties of alkaline-earth metal salts of 4-nitrophenylacetic acid. *Journal of Chemical Sciences*. 128(11); 2016; 1765-1774. <http://www.ias.ac.in/article/fulltext/jcsc/128/11/1765-1774>
- *Srinivasan, B.R.; Dhavskar, K.T. On the syntheses and structures of two calcium coordination polymers containing terminal amide ligands. *Indian Journal of Chemistry. Section A-Inorganic Bio-Inorganic Physical Theoretical and Analytical Chemistry*. 56(4); 2017; 387-393. <http://nopr.niscair.res.in/handle/123456789/59>
- *Srinivasan, B.R.; Morajkar, S.M. Sodium paramolybdate revisited. *Indian Journal of Chemistry Section A-Inorganic Bio-Inorganic Physical Theoretical and Analytical Chemistry*. 55(6); 2016; 676-680.

- *Srinivasan, B.R.; Nadkarni, V.S. Comments on "Synthesis aspects, structural, spectroscopic, antimicrobial and room temperature ferromagnetism of zinc iodide complex with Schiff based ligand" by K. Shakila and S. Kalainathan, Spectrochim. Acta 135A (2015) 1059-1065. *Spectrochimica Acta. A: Molecular and Biomolecular Spectroscopy*. 163; 2016; 58-59. <http://dx.doi.org/10.1016/j.saa.2016.03.013>
- *Srinivasan, B.R.; Nadkarni, V.S. Comments on "Synthesis aspects, structural, spectroscopic, antimicrobial and room temperature ferromagnetism of zinc iodide complex with Schiff based ligand" by K. Shakila and S. Kalainathan, Spectrochim. Acta 135A (2015) 1059-1065. *Spectrochimica Acta. A: Molecular and Biomolecular Spectroscopy*. 163; 2016; 58-59. <http://dx.doi.org/10.1016/j.saa.2016.03.013>

Articles in conference proceedings

- Asogekar, P.A.; Verenkar, V.M.S. Dielectric and magnetic studies of nano-sized CoNiZn ferrite prepared from combustion synthesis. 6. *Interdisciplinary Symp. on Materials Chemistry (ISMC-2016)*, 6-10 Dec 2016, BARC, Mumbai, India. 2016; 574-575.
- GaunsDessai, P.P.; Verenkar, V.M.S. Synthesis, characterization and magnetic study of Ni_{0.7}Zn_{0.3}Fe₂O₄: Comparison of the nano with the bulk. 6. *Interdisciplinary Symp. on Materials Chemistry (ISMC-2016)*, 6-10 Dec 2016, BARC, Mumbai, India. 2016; 568-570.
- Gawas, S.G.; Verenkar, V.M.S. Tailoring the Co substitution effect on magnetic permeability of Ni-Zn Ferrites. 6. *Interdisciplinary Symp. on Materials Chemistry (ISMC-2016)*, 6-10 Dec 2016, BARC, Mumbai, India. 2016; 571-573.

Book chapters

- Singh, K.S.; Majik, M.S. Bioactive alkaloids from marine sponges. *Marine Sponges: Chemicobiological and Biomedical Applications*, Ed. by: Ramjee Pallela and Hermann Ehrlich. Springer. 2016; 257-286. http://dx.doi.org/10.1007/978-81-322-2794-6_12

Book

- Salker, A.V. Environmental Chemistry: Pollution and Remedial Perspective. Narosa Publishing House, India. 2017; 381pp.

PhDs:

Degree Awarded: 2 *Submitted:* 3 *Students on Roll:* **31**

Conference Presentations, Lectures, etc.

- Asogekar, P.A.; Verenkar, V.M.S. Effect of Co²⁺ substitution on magnetic and dielectric properties of Ni-Zn Ferrite. 2. Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications -II (NFCFA-2017), 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa.
- Atthigundikar, P.C.; Sinari, U.U.; Dhuri, S.N. Synthesis, characterization of Co(III)-peroxo complex: Reactivity study in Oxidative nucleophilic reaction (**Poster: RSC prize (first place)**). 2. Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications -II (NFCFA-2017), 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa.
- Bakre, P.V.; Ghosh, N.; Tilve, S.G. Amino acid templates in the sol-gel synthesis of mesoporous nano-TiO₂ for enhanced photodegradation of dyes: Elucidating their role (**Poster**). Nat. Conf. on New Frontiers in Chemistry (NFCFA-2017), 28-29 Jan 2017. BITS-Pilani, Goa Campus.
- Bakre, P.V.; Tilve, S.G. Improved catalytic activity of dicarboxylic acid mediated TiO₂ for sunlight degradation of methylene blue (**3rd Prize**). Nat. Conf. on Innovative Research in Chemical Sciences, 1-2 Feb 2017. Department of Chemistry, Shivaji University, Kolhapur.

- Bakre, P.V.; Tilve, S.G. Influence of acid chain length on the properties of TiO₂ prepared by sol-gel method and LC-MS studies of methylene blue photodegradation. *Nat. Symp. on Materials Characterisation and Manufacturing (MCM-2016)*, 18-19 Aug 2016. Dept. of Mechanical Engineering, Padre Conceicao College of Engineering and Department of Physics, Goa University.
- Coutinho, D.M.; Verenkar, V.M.S. Magnetic and dielectric properties of cobalt ferrite and nickel ferrite synthesized by precursor combustion method. 2. Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications -II (NFCFA-2017), 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa.
- Deoghare C.; Nadkarni, V.S.; Behera, R.N.; Chauhan, R. Block copolymers of N-arylitacetonimide monomers and methyl methacrylate (**poster**). *Int. Conf. on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016)*, 13-15 May 2016. MG University, Kottayam, Kerala.
- Dhuri, S.N. Importance and research areas of chemistry (Invited Lecture). *Symposium on Exploring the Exciting World of Chemistry*, 25 Jan 2017. Dept. of Chemistry, St. Xavier College, Mapusa.
- Fernandes, P. Molecular magnets (**3rd prize**). Recent trends in chemistry: Students Meet 2017, 26 Feb 2017. Dept. of Chemistry, BITS-Pilani, KK Birla Goa Campus.
- GaunsDessai, P.P.; Verenkar, V.M.S. A comparison of the electric and magnetic properties of 'as prepared' and 'sintered' Ni_{0.7}Zn_{0.3}Fe_{1.6}Al_{0.4}O₄ (**Poster: 3rd prize**). Nat. Symposium on Recent Advancements in Chemical Sciences and RSC Research Scholar Meet-2016, 13 Nov 2016. Dept. of Chemistry, BITS Pilani, Goa Campus, Zuarinagar, Goa, India.
- GaunsDessai, P.P.; Verenkar, V.M.S. Dielectric and magnetic properties of nanosized and bulk Ni_{0.7}Zn_{0.3}Fe_{2-x}Al_xO₄ (x=0.1, 0.3 and 0.5). 2. Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications -II (NFCFA-2017), 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa.
- Gawade, D.R.; Tilve, S.G. Extraction, isolation and characterization of chemical constituents from *Tridax procumbens* Linn (**Poster**). *Nat. Conf. on New Frontiers in Chemistry (NFCFA-2017)*, 28-29 Jan 2017. BITS-Pilani, Goa Campus.
- Gupta, S.P.; Gawas, P.D.; Tilve, S.G. Green synthesis of 4b,9b-dihydroxy-4b,9b-dihydro-5-oxa-indeno[2,1-a]inden-10-ones using mechanochemical technique under solvent free conditions (Poster). *Nat. Conf. on New Frontiers in Chemistry (NFCFA-2017)*, 28-29 Jan 2017. BITS-Pilani, Goa Campus.
- Mhaldar, S.N.; Gawde, M.K.; Tilve, S.G. A greener approach towards the synthesis of bis(indolyl)methanes under solvent free conditions using ball milling technique (Poster). *Nat. Conf. on New Frontiers in Chemistry (NFCFA-2017)*, 28-29 Jan 2017. BITS-Pilani, Goa Campus.
- Morajkar, P. Photocatalytic oxidation of Benzyl alcohol. *New Frontiers in Chemistry-from Fundamentals to Applications-II (NFCFA2017)*, 28-29 Jan 2017. BITS, Pilani, Goa Campus.
- Naik, A.P.; Salkar, A.V.; Morajkar, P.P. Enhanced photo-degradation of benzyl alcohol using mesoporous anatase TiO₂ and TiO₂-Al₂O₃ nano-composites (**Poster**). 2. *Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications -II (NFCFA-2017)*, 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa.
- Narulkar, D.D.; Dhuri, S.N. Synthesis and characterizations of cadmium oxide nanoparticles and their photocatalytic application (**Poster**). *Nat. Symposium on Material Characterization and Manufacturing*, 18-19 Aug 2016. PCC, Engineering and Department of Physics, Goa University.
- Narulkar, D.D.; Dhuri, S.N. Synthesis, characterization, cis-ligand substitution and catalytic alkane hydroxylation by mononuclear nickel(II) complexes stabilized with tetradentate tripodal ligands (**Poster**). *Nat. Symposium on Recent Advancements in Chemical Sciences and RSC Research Scholar Meet-2016*, 13 Nov 2016. Dept. of Chemistry, BITS Pilani, Goa Campus, Zuarinagar, Goa, India.
- Narulkar, D.D.; Dhuri, S.N. The reactivity study of high valent trans-dioxoruthenium(VI) complex in hydride transfer and hydrogen atom transfer reactions (**Poster**). *Nat. Conf. on New Frontiers in Chemistry (NFCFA-2017)*, 28-29 Jan 2017. BITS-Pilani, Goa Campus.
- Narvekar, A.A. Synthesis, characterization, and application of GBC and GBC-TiO₂ nanocomposites (**Best poster prize**). *Nat. Symposium on Materials Characterization and Manufacturing*, 18-19 Aug 2016. Dept. of Mechanical Engineering, Padre Conceicao College of Engineering and Dept. of Physics, Goa University.

- Pawar, V.M.; Nadkarni, V.S. Carborane polymers for neutron dosimetry. *4. Int. Conf. on Polymer Processing and Characterisation (ICPPC 2016)*, 9-11 Dec 2016. Mahatma Gandhi University, Kottayam.
- Pawar, V.M.; Shetgaonkar, A.D.; Pal, R.; Bakshi, A.K.; Beck, M.; Nadkarni, V.S. Synthesis of novel polymer poly(APCC-co-ADC) for neutron dosimetry. *DAE-BRNS 13. Nat. Symp. on Nuclear and Radiochemistry*, 6-10 Feb 2017. KIIT University, Bhubaneswar.
- Prabhudessai, S.; Water oxidation (**1st prize**). Recent trends in chemistry: Students Meet 2017, 26 Feb 2017. Dept. of Chemistry, BITS-Pilani, KK Birla Goa Campus.
- Shetgaonkar, A.D.; Nadkarni, V.S. Designing multifunctional carbamate monomeric cores (**poster - 2nd prize**). *4. Int. Conf. on Polymer Processing and Characterization (ICPPC 2016)*, 9-11 Dec 2016. Mahatma Gandhi University, Kottayam.
- Shirsat, R.N. Molecular electronic structure (**Resource person**). *Nat. Conf. on Recent Trends Chemical and Environment Science (RTCES-2016)*, 23-24 Dec 2016. Dept. of Chemistry, Shakar Maharshi Bhausaheb Santuji Thorat College of Arts Science and Commerce, Sangamner.
- Shirsat, R.N. Molecular electronic structure (**Resource person**). *Nat. Seminar on Recent Advances in Spectroscopic Methods of Structure Determination*, 24-25 Dec 2016. Shri Chhatrapati Shivaji College, Shrigonda.
- Shirsat, R.N. Computational Chemistry. *Nat. Seminar on Research Opportunities in Chemical, Physical and Biological Sciences*, 10-11 Jan 2017. Dept. of Chemistry, Bharatiya Jain Sanghatana's Arts Science and Commerce College, Wagholi, Pune.
- Shirsat, R.N. Series of lectures and hands on session. *Nat. Workshop on Conceptual Quantum Chemistry*, 16-20 Jan 2017. Dept. of Chemistry, Dr. Harisingh Gour Vishwavidyalaya, Sagar.
- Srinivasan, B.R. On the chemistry of alkaline-earth metal coordination polymers (Invited Lecture). *2. Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications -II (NFCFA-2017)*, 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa.
- Tilve, S.G. Chemical Research Society of India **Bronze Medal 2016 lecture**. *19. CRSI-GDCh Angewandte Symposium*, 14-16 Jul 2016, North Bengal University (NBU), Darjeeling
- Volvoikar, P. Degradation of dyes using low-cost adsorbents (**Poster, 2nd prize**). Recent trends in chemistry: Students Meet 2017, 26 Feb 2017. Dept. of Chemistry, BITS-Pilani, KK Birla Goa Campus.

Lectures on other occasions

- Kadam, H.K.; Mandrekar, K.S.; Mhaldar, S.N.; Naik, V.G.; Tilve, S.G. Emerging trends in agrosience: Chemistry and technology. 22-23 Nov 2016. Syngenta Bioscience Pvt. Ltd., Hotel Cidade de Goa.
- Shirsat, R.N. Group theory (**Invited lectures**). 3-4 Feb 2017. Dept. of Chemistry, Karnataka State Women's University, Bijapur.
- Shirsat, R.N. Basics of quantum chemistry and its applications in spectroscopy (**Invited lectures**). 10 Mar 2017. Jai Hind College, Mumbai.
- Shirsat, R.N. Concepts in quantum chemistry and hands on session on computer applications in chemistry. *Refresher Course*. 11-12 Oct 2016. UGC HRD Centre, University of Mumbai.

Other information:

- Srinivasan, B.R. *2. Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications -II (NFCFA-2017)*. 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa. (**Session Chair**)
- Tilve, S.G. *2. Nat. Conf. on New Frontiers in Chemistry: From Fundamentals to Applications-II (NFCFA2017)*. 28-29 Jan 2017. Dept. of Chemistry, BITS Pilani, Goa Campus, Goa. (**Session Chair**)
- Morajkar, P. and Dhuri, S. N. attended Refresher course in Natural and Biosciences 29 Mar – 18 Apr 2017, Goa University
- Morajkar, P. attended training program on "Fixed bed catalytic reactor systems" on 13 Jan 2017 at Amar Equipments Pvt. Ltd, Kurla, Mumbai.
- Morajkar, P. attended training program on "GC-MS" on 12 Jan 2017 at Toshvin Analyticals, Mumbai.

Department of Mathematics

Faculty:

Full-time

- **A.J. Jayanthan**, *Ph.D.*, Associate Professor – Topology
- **Y.S. Valaulikar**, *Ph.D.*, **Associate Professor and Head** – Differential equations & difference equations
- **A.N. Mohapatra**, *Ph.D.*, Associate Professor – Operator Theory
- **Manvendra Tamba**, *Ph.D.*, Assistant Professor – Lie Algebra, Number Theory
- **M. Kunhanandan**, *Ph.D.*, Assistant Professor – Inverse Problems, Combinatorics

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Takao Komatsu	Wuhan University, Wuhan, China	Several Summation Formulae about Balancing and Related Numbers	12 Dec 2016
Prof. Takao Komatsu	Wuhan University, Wuhan, China	Euler Numbers and their Applications	13 Dec 2016

Major Thrust Areas:

- Differential Equations, Number Theory, Combinatorics and Topology

Research publications:

Articles in journals:

- Arolkar, S.; Valaulikar, Y.S. On a B-q bonacci Sequence. *International Journal of Advances in Mathematics*. 2017(1); 2017; 1-8. <http://adv-math.com/wp-content/uploads/2017/01/AM-201618.pdf>
- Kumari, M.; Valaulikar, Y.S. Differential inequalities for a first order neutral differential equations. *Advances in Theoretical and Applied Mathematics*. 11(3); 2016; 199-202. http://www.ripublication.com/atam16/atamv11n3_02.pdf
- Tamba, M.; Valaulikar, Y.S. A nonlinear extension of Fibonacci Sequence. *Turkish Journal of Analysis and Number Theory*. 4(4); 2016; 109-112. <http://pubs.sciepub.com/tjant/4/4/4>

PhDs:

Degree Awarded: NIL

Submitted: 1

Students on Roll: 6

Department of Computer Science & Technology

Faculty:

Full-time

- **Venkatesh V. Kamat**, *Ph.D*, **Professor and Head** – Computer Graphics, CAD, Education Technology
- **Jyoti D. Pawar**, *Ph.D.*, Associate Professor – Data Mining, Data Structures, Natural Language Processing (NLP)
- **Yma Pinto**, *M.C.A.*, Associate Professor – Data Base Management Systems (DBMS), Computer Science Education (CSE)
- **Ramrao Wagh**, *M.C.A.*, Associate Professor – Software Engineering, Geographical Information Systems (GIS), Educational Technology
- **S. Baskar**, *M.Sc.*, Associate Professor – Compiler Construction, Machine Learning
- **Ramdas Karmali**, *M.C.A.*, Assistant Professor – Data Communication, Web Technology, Natural Language Processing (NLP), Network securities
- **Payaswini P.**, *Ph.D*, Assistant Professor – Data communication and networking, Data structure.

Contractual

- **Manika Bindal**, *M.Sc., M.Tech.* Assistant Professor – Computer Graphics, Geometric Processing
- **Swapnil Fadte**, *M.E.*, Assistant Professor – Natural Language Processing, Speech Processing

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Abhiram Ranade	IIT, Bombay	How to balance the Govardhan	2 Sep 2016
Prof. Abhiram Ranade	IIT, Bombay	Spectral Methods	2 Sep 2016
Prof Madhavan Mukund	Chennai Mathematical School, Chennai	Computing as a Mathematical Science	23 Sep 2016
Dr. Pandurang Kamat	Persistent Systems, Goa	BlockChain Technology	23 Sep 2016
Dr. Stefan Heinzl	Max Planck Computing, Munich, Germany	High Performance Computing	05 Jan 2017
Dr. Johannes Reetz	Max Planck Computing, Munich, Germany	Data Services for the European Research Area	05 January 2017
Prof. Biswanath Datta	Northern Illinois University, USA	Singular Value Decomposition and its Applications	20 Jan 2017
Dr. Ashok Prabhu	Technology leader, Electronics Industry	Winning the Startup Challenge	27 Jan 2017
Prof. António Dourado	University of Coimbra, Portugal	Machine Learning Research	07 Feb 2017
Prof. Aditya Ghosh	University of Wollongong, Australia	Computational Service Science	11 Feb 2017
Dr. Amit Deshpande	Microsoft Research, Bangalore	Linear Algebra in Data Science	27 Mar 2017
Dr. T. Veena	NIT, Goa	SVM: A Kernel Method for Speech and Image Analysis	27 Mar 2017

Ms. Ujwala Patil	B.V.B College of Engineering, Hubli	Super Resolution and Data Fusion	28 Mar 2017
Ms. Sujatha C.	B.V.B College of Engineering, Hubli	Video Summarization	28 Mar 2017
Prof.Ashwin Srinivasan	BITS, Goa	Probability and Statistics for Machine Learning	29 Mar 2017
Prof. Abhiram Ranade	IIT, Bombay	Mathematical Modelling and Combinatorial Optimisation	29 Mar 2017
Dr. Venu Madhav	IISc, Bangalore	Geometric Estimation in Computer Vision	30 Mar 2017
Prof. Uma K. Mudengudi	B.V.B College of Engineering, Hubli	3D Reconstruction and Detection of Doctoring	30 Mar 2017

Major Thrust Areas and Achievements:

- Natural Language Processing, Computer Graphics & Geometric Modelling, Educational Technology

Incremental Infrastructure:

- HP 240 Tower Graphics Workstation
- LCD Projector
- Desktop Systems for MCA lab (10 nos)
- Microsoft Developer Network (MSDN), Annual Subscription

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Kamat, V.V.	Completed	CAD-ELearn	Govt. of Goa	10.00
Karmali, R. (PI); Pawar, J.D. (Co-PI)	Completed	Development of Shallow Parser Tools for 12 Indian Languages (SPT-IL)	DIT	36.00
Pawar, J.D. (PI); Karmali, R. (Co-PI)	Completed	Indian Languages Corpora Initiative (ILCI)- Phase II (Konkani)	DIT	45.43

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
IT Road Show, half-day event	1 Jul 2016	UGC XII Plan
Code Modernization, one full day seminar	11 Aug 2016	WIPRO, Bangalore
Computer Society of India (CSI) Annual QUIZ	27 Aug 2016	CSI Goa Chapter
Python Boot Camp	23 Sep 2016	ACM Goa Chapter
National Level Hackathon For Women	24 Sep 2016	ACM Goa Chapter
Celebration of Women in Computing	24 Sep 2016	ACM Goa Chapter
Training for Hr Secondary Computer Teachers	22 Nov to 5 Dec 2016	SCERT, Goa

MHRD Gian course	18 Feb 2017	MHRD, Govt. of India
Research Scholar's Workshop for Faculty of Natural Sciences	27-30 Mar 2017	UGC XII Plan
Introduction program on CS Pathshala for School Principals and IT teacher	21 Apr 2017	ACM India

Research publications:

Articles in journals:

- Gawde, G.S.; Pawar, J.D. Turning function based distance measure for searching similar EC trajectories. *International Journal of Web Applications*. 9(1); 2017; 13-25. http://www.dline.info/ijwa/fulltext/v9n1/ijwav9n1_3.pdf

Articles in conference proceedings

- Asnani, K.; Pawar, J.D. Use of semantic knowledge base for enhancement of coherence of code-mixed topic-based aspect clusters. *Proc. 13. Int. Conference on Natural Language Processing*, Ed. by: D.S. Sharma, R. Sangal and A.K. Singh. IIT, BHU, Varanasi. 2016; 259-266. <http://ltrc.iiit.ac.in/icon2016/proceedings/icon2016/pdf/W16-6332.pdf>
- Jadhav, S.; Pawar, J.D. Aesthetics of BharataNatya poses evaluated through fractal analysis. *Proc. 1. Int. Conf. on Computational Intelligence and Informatics*, Ed. by: Suresh Chandra Satapathy, V. Kamakshi Prasad, B. Padmaja Rani, Siba K. Udgata and K. Srujan Raju. *Advances in Intelligent Systems and Computing*. 5072017; 401-409. http://dx.doi.org/10.1007/978-981-10-2471-9_39
- Kurtiker, P.; Wagh, R. Understanding and analyzing students frustration level during programming. *Proc. 24. Int. Conf. on Computers in Education*, 28 Nov to 2 Dec 2016. IIT Bombay, India, Ed. by: Chen, W. et al. 2016; 7-9. <http://www.apsce.net/uploaded/filemanager/4e0b62f5-fee7-491e-b8b0-f8f79d3c46a7.pdf#page=12>
- Lotlikar, P.C.; Wagh, R. Using POGIL to teach and learn design patterns: A constructionist based incremental, collaborative approach. *Int. Conf. on Technology for Education (T4E)*, IEEE. 2-4 Dec 2017. 2016; 46-49. <http://dx.doi.org/10.1109/T4E.2016.018>
- Pathan, R.; Khwaja, U.; Reddy, D.; Kamat, V.V. Teaching and learning of divergent and convergent thinking skills using DCT. *Int. Conf. on Technology for Education (T4E)*, IEEE. 2-4 Dec 2016. 2016; 54-61. <http://dx.doi.org/10.1109/T4E.2016.020>
- Paul, D.V.; Nayagam, C.; Pawar, J.D. Modeling academic performance using subspace clustering algorithm. *Int. Conf. on Technology for Education (T4E)*, IEEE. 2-4 Dec 2018. 2016; 254-255. <http://dx.doi.org/10.1109/T4E.2016.066>

Book chapters

- Desai, S.N.; Walawalikar, S.W.; Karmali, R.; Pawar, J.D. *Insights on the Konkani WordNet development process. The WordNet in Indian Languages*, Ed. by: Niladri Sekhar Dash; Pushpak Bhattacharyya; Jyoti D. Pawar. Springer. 2017; 101-117. http://dx.doi.org/10.1007/978-981-10-1909-8_6
- Gauns-Dessai, K.; Kamat, V.V. A Framework for analyzing associativity and anonymity in conventional and electronic summative examinations. *Information Systems Security*, Ed. by: Indrajit Ray, Manoj Singh Gaur, Mauro Conti, Dheeraj Sanghi and V. Kamakoti. *Lecture Notes in Computer Science*, 10063. Springer. 2016; 303-323. http://dx.doi.org/10.1007/978-3-319-49806-5_16

Book

- Dash, N.S.; Bhattacharyya, P.; Pawar, J.D. *The WordNet in Indian Languages*. Springer. 2017; 264pp. <http://dx.doi.org/10.1007/978-981-10-1909-8>

PhDs:

Degree Awarded: 1

Submitted: 4

Students on Roll: 11

Department of Physics

Faculty:

Full-time

- **R.B. Tangsali**, *Ph.D.*, Professor – Condensed matter Physics (Theoretical Physics, Nano-materials)
- **J.A.E. Desa**, *Ph.D.*, Professor – Structures of Disordered Materials
- **Ramesh V. Pai**, *Ph.D.*, **Professor and Head** – Theoretical Condensed Matter Physics, computational physics
- **Kaustubh R. Priolkar**, *Ph.D.*, Professor – Experimental Condensed Matter Physics, XAFS Spectroscopy
- **Uma Subramanian**, *Ph.D.*, Associate Professor – Experimental Solid State Physics

UGC-Faculty Recharge Programme:

- **Bholanath Pahari**, *Ph.D.*, Assistant Professor – Experimental Condensed Matter Physics
- **Sudhir Cherukulappurath**, *Ph.D.*, Assistant Professor – Nanophotonics, Plasmonic materials
- **Rajeshkumar Shankar Hyam**, *Ph.D.*, Assistant Professor – Nano Materials for energy applications, Condensed matter Physics

Contractual

- **Elaine T Dias**, *M.Sc.*, Assistant Professor – Experimental Condensed Matter Physics

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Andreas Hoser	Helmholtz Zentrum Berlin, Berlin, Germany	Neutron Powder Diffraction Study of Phase Transitions. Recent Results	25 Nov 2016
Dr. Manoranjan Kumar	S.N. Bose National Center for Basic Sciences, Kolkata	Multipolar Phase in a Frustrated Ferromagnetic Spin-1/2 Chain	15 Dec 2016

Major Thrust Areas:

- Condensed Matter Physics

Incremental Infrastructure:

- Pulsed Laser Deposition Facility

Project

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Desa, J.A.E.	Ongoing	Temperature Dependent Studies of Some Glass Structures and Structures of Some Superparamagnetic Glasses	UGC-DAE	1.25
Pai, R.V.	Completed	Random-Phase- Approximation Excitation Spectra for Bose-Hubbard Models	CSIR	12.42
Pai, R.V.	Ongoing	Quantum Phases of Spin-1 Bosonic Atoms in Bichromatic Superlattices	UGC	14.39

Priolkar, K.R.	Completed	Cluster Mean-Field Theory for Bose	DSTE-Goa	6.78
Priolkar, K.R.	Ongoing	Effect of Structural Disorder on Martensitic Transformation in Shape Memory Alloys	DST	59.02
Raut-Desai, R. (PI); Desa, J.A.E. (Co-PI)	Ongoing	Mesoscopic Structural Investigation on Magnetic Porous Materials by SANS	UGC-DAE	1.35

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
81 st Experimental Physics Refresher Course	3-18 Nov 2016	Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi; National Academy of Sciences of India, Allahabad
Goa Physics Research Meet (at BITS, Goa Campus)	9 Dec 2016	BITS, Goa
87 th Experimental Physics Refresher Course	10-25 May 2017	Indian Academy of Sciences, Bangalore; Indian National Science Academy, New Delhi; National Academy of Sciences of India, Allahabad

Research publications:

Articles in journals (* in SCI Journals; † in Scopus journals):

- *Basavaraju, N.; Priolkar, K.R.; Bessiere, A.; Sharma, S.; Gourier, D.; Binet, L.; Viana, B.; Emura, S. Controlling disorder in the ZnGa sub(2)O sub(4):Cr sup(3+) persistent phosphor by Mg sup(2+) substitution. *Physical Chemistry Chemical Physics*. 19(2); 2017; 1369-1377. <http://dx.doi.org/10.1039/C6CP06443D>
- *Bhamu, K.C.; Priolkar, K.R. Electronic and optical properties of AgAlO₂: A first-principles study. *Materials Chemistry and Physics*. 190(2017); 114-119. <http://dx.doi.org/10.1016/j.matchemphys.2016.12.069>
- Dessai, P.P.; Yadappanavar, D.G.; Naik, P.P.; Tangsali, R.B. Synthesis of zinc substituted Barium Hexaferrite nanoparticles and their magnetic performance. *Advanced Science, Engineering and Medicine*. 8(8); 2016; 612-618. <http://dx.doi.org/10.1166/ase.2016.1896>
- *Ingle, K.E.; Priolkar, K.R.; Bhobe, P.A.; Nigam, A.K. Evolution of structure, magnetic and transport properties of Fe sub(1-x)Mn sub(x)Se. *Materials Research Express*. 3(12); 2016; Article ID 126001. <http://dx.doi.org/10.1088/2053-1591/3/12/126001>
- (pp)Joshi, H.; Rai, D.P.; Patra, P.K.; Bhamu, K.C.; Thapa, R.K. An enhanced thermoelectric property of 1-D silicon atomic wire: An ab-initio study. *Nanoscience and Nanoengineering*. 4(4); 2016; 59-63. <http://www.hrpub.org/download/20161230/NN1-16508147.pdf>
- *Karthikayini, M.P.; Wang, G.; Bhobe, P.A.; Sheelam, A.; Ramani, V.K.; Priolkar, K.R.; Raman, R.K. Effect of protonated amine molecules on the oxygen reduction reaction on metal-nitrogen-carbon-based catalysts. *Electrocatalysis*. 8(1); 2017; 74-85. <http://dx.doi.org/10.1007/s12678-016-0341-y>
- *Lobo D.N.; Priolkar K.R.; Koide, A.; Emura S. Effect of site occupancy disorder on martensitic properties of Mn₂NiIn type alloys: X-ray absorption fine structure study. *Journal of Applied Physics*. 121(2017); ArticleID 053902-. <http://dx.doi.org/10.1063/1.4975403>
- Malik, S.; Mohite, K.; Naik, P.P.; Tangsali, R.B. Preparation, characterization, electrical and magnetic properties of Mn-doped dilute magnetic semiconductors. *International Journal of Nanoscience*. 15(3); 2016; Article ID 1660004-. <http://dx.doi.org/10.1142/S0219581X16600048>

- *Naik, P.P.; Tangsali, R.B.; Meena, S.S.; Yusuf, S.M. Influence of Rare Earth (Nd sup(+3)) doping on structural and magnetic properties of nanocrystalline manganese-zinc ferrite. *Materials Chemistry and Physics*. 1912017; 215-224. <http://dx.doi.org/10.1016/j.matchemphys.2017.01.032>.
- *PanchamKumar; Soni, A.; Bhamu, K.C.; Sahariya, J. Optoelectronic behavioral study of defect-chalcopyrite semiconductors XGa sub(2)Te sub(4) (X = Zn, Cd). *Materials Research Bulletin*. 862017; 131-138. <http://dx.doi.org/10.1016/j.materresbull.2016.10.012>
- *Priolkar, K.R.; Dias, E.T.; Aquilanti, G.; Cakir, O.; Acet, M.; Nigam, A.K. Importance of local structural distortions in magnetocaloric effect in Mn based antiperovskites. *Journal of Physics: Conference Series*. 712(1); 2016; ArticleID_012117. <http://dx.doi.org/10.1088/1742-6596/712/1/012117>
- †Raut-Dessai, R.S.; Desa, E.J.A.; Ray, D.; Aswal, V.K. A small angle neutron scattering study of an SDS micellar solution confined in sodium bentonite. *Applied Clay Science*. 1352017; 372-377. <http://dx.doi.org/10.1016/j.clay.2016.10.019>

Articles in conference proceedings:

- Alavani, B.K.; Pai, R.V. Spectral weight of excitations in Bose Hubbard model. *AIP Conference Proceedings*. 18322017; Article ID 030009. <http://dx.doi.org/10.1063/1.4980188>
- Dixit, C.K.; Sharma, R.; Bhamu, K.C. Half-metallicity in Fe doped HfO sub(2). *AIP Conference Proceedings*. 18322017; Article ID 120002. <http://dx.doi.org/10.1063/1.4980687>
- Rao, P.L.; Pahari, B.; Ramanathan, K.V. sup(23)Na and sup(29)Si NMR investigation of Na-SrSiO sub(3) superior ion conductor. *AIP Conference Proceedings*. 18322017; Article ID 070024. <http://dx.doi.org/10.1063/1.4980459>

Book chapter:

- Sudhir, C. Surface-enhanced Raman scattering: A novel tool for biomedical applications. *Advances in Sensors, Review Vol.4 (Chapter 9)*, Ed. by: Sergey Y. Yurish. International Frequency Sensor Association (IFSA) Publishing, Sri Lanka. ISBN: 978-84-617-7596-5. 2016; 157-179. http://www.sensorsportal.com/HTML/BOOKSTORE/Advances_in_Sensors_Vol_4.pdf

PhDs:

Degree Awarded: **3** Submitted: **0** Students on Roll: **14**

Conference Presentations, Lectures, etc.

- Pahari, B. Multinuclear Solid State NMR Investigations on Sr sub(1-x)Na sub(x)SiO sub(3-0.5x): A Family of Superior Ion Conductors. *Asia Pacific NMR Symposium*, 16-19 Feb 2017. IISC, Bangalore.
- Priolkar, K.R. Mechanism of Near Infrared Persistent Luminescence: Insights through EXAFS. *44. Nat. Symposium on Crystallography*, 10-13 Jul 2016. NCCS, Pune, IISER, Pune, NCL, Pune and Pune University, Pune.
- Priolkar, K.R. Mechanism of Magneto-structural transformation in Mn based Antiperovskites. *Nat. Conf. on Electron Spectroscopy*, 22-24 Dec 2016. IoP, Bhubaneswar, SINP, Kolkata and TIFR, Mumbai.

Lectures on other occasions

- Hyam, R.S. Solar energy: Solution to Energy Crisis (Invited Lecture). *Refresher Course in Experimental Physics*. 15 Nov 2016. Dept. of Physics, Goa Univ. and IASC, Bangalore.
- Pahari, B. On Sr sub(1-x)Na sub(x)SiO sub(3-0.5x) new superior fast ion conductors (**Invited Lecture**). *Goa Physics Research Meet*. 9 Dec 2016. BITS-Pilani, Goa campus.

Department of Electronics

Faculty:

Full-time

- **Gourish M. Naik, Ph.D., Professor and Head** – Opto-electronics and Instrumentation
- **Rajendra S. Gad, Ph.D.,** Associate Professor – Multivariate System Design
- **Jivan S. Parab, Ph.D.,** Assistant Professor – Embedded System, DSP, RTOS, HDL, Fiber optic sensors

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Ajit Yoganathan	Georgia Tech University North Avenue, Atlanta, GA 30332	Opportunities of Higher learning	3 Mar 2017

Major Thrust Areas:

- BioMedical & Agro-Electronics, IoT Smart Sensor, Digital Signal Processing, Image Processing, Networks

Incremental Infrastructure:

- UV/VIS/NIR Spectrophotometer (Model V 7770); MIMO system (2x2)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Gad, R.S. (PI); Naik, G.M. (Co-PI)	Ongoing	Development of Coconut Plucking Robot	ICAR	25.22
Gad, R.S.	Ongoing	Vishveshvaraya PhD Scheme in area of ESDM for two full-time candidates	DeitY	47.18
Gad, R.S.	Ongoing	Vishveshvaraya PhD Scheme in area of ESDM & ITES for five full-time candidates	DeitY	199.00
Naik, G.M.	Ongoing	Visweswarayya Research grant for Electronics & IT	DeitY	33.00
Parab, J.S.	Ongoing	Visweswarayya Research grant for Electronics & IT	DeitY	33.00

Research publications:

Articles in journals:

- Gad, R.S.; Gad, V.R.; Naik, G.M.; Rane, U.V. Performance evaluation of Low Density Parity Check (LDPC) codes over gigabit ethernet protocol. *Transactions on Networks and Communications*. 4(5); 2016; 18-24. <http://dx.doi.org/10.14738/tnc.45.2035>
- Ghanti, S.; Naik, G.M. Efficient data transfer rate and speed of secured Ethernet Interface System. *International Scholarly Research Notices*. 2016; 2016; Article ID 9458627. <https://www.hindawi.com/journals/isrn/aip/9458627/>

- Ghanti, S.; Naik, G.M. Security methods of servers against attack. *IOSR Journal of Engineering*. 6(11(1)); 2016; 37-40. http://www.iosrjen.org/Papers/vol6_issue11/Version-1/G0611013740.pdf

Articles in conference proceedings

- Charanarur P.; Rane, U.V.; Gad, V.R.; Kovendan, A.K.P.; Sridharan, D.; Gad, R.S.; Naik, G.M. Performance analysis of 16x16,32x32,64x64 2-D mesh topologies for network on chip application of MIMO. *WiSPNET-2017, Sponsored by IEEE and IEEE ComSoc*. Chennai-603110, India, 22-24 Mar 2017. 2017; 7pp.
- Fernandes, M.; Dharne, S.; Kushwah, P.; Pinto, S.; Parab, J.S.; Gad, R.S.; Naik, G.M. IOT based home automation using 6BLE. 10. *Nat. Symp. VLSI and Embedded System*, 27-28 Apr 2017. Goa College of Engineering, Farmagudi, Goa. 2017; 5pp.
- Gaonkar, A.A.; Gad, M.; Vetrekar, N.T.; Tilvi, V.S.; Gad, R.S. Experimental 3valuation of 3D kinect face database. 2. *Workshop on Computer Vision Applications*, IIT-Guwahati, India, ICVGIP-18-22 Dec 2016. 2016; 12pp.
- Gaonkar, A.A.; Vetrekar, N.T.; Tilve, V.S.; Gad, R.S. 3D kinect face recognition: Patch filling techniques. 10. *Nat. Symp. VLSI and Embedded System*, 27-28 Apr 2017. Goa College of Engineering, Farmagudi, Goa. 2017; 6pp.
- Lobo, K.; Palni, M.; Naik, N.; Tavares, N.; Gad, R.S. Mind controlled automation P300 waves. *Proc. Nat. Conf. on Science Education and Research (NCSER 2016)*, Bangalore, India, Dec 2016. 2016; 5pp.
- Lobo, L.; Verma, P.; Satardekar, S.; Gad, R.S.; Naik, G.M. IOT based smart parking solution with sub GHz nodes in a 6Lowpan network. 10. *Nat. Symp. VLSI and Embedded System*, 27-28 Apr 2017. Goa College of Engineering, Farmagudi, Goa. 2017; 4pp.
- Marchon, N.; Naik, G.M. QRS detector for maternal abdominal ECG. *Int. Conf. on Signal and Information Processing (IconSIP)*, 6-8 Oct 2016. 2016; 5pp. <http://dx.doi.org/10.1109/ICONSIP.2016.7857463>
- Marchon, N.; Naik, G.M. Detection of fetal heart rate using ANFIS displayed on a smartphone. Region 10 Conf. (TENCON), 22-25 Nov 2016. Singapore. 2016; 5pp. <http://dx.doi.org/10.1109/TENCON.2016.7848269>
- Marchon, N.; Naik, G.M. Detection of fetal distress using independent component analysis. 2. *Int. Conf. for Convergence of Technology (I2CT)*, 07-09 Apr 2017. Pune, India. 2017; 5pp.
- Marchon, N.; Naik, G.M.; Pai, K.R. Extracting MQRS and FQRS from non-invasive abdominal ECG. 2. *Int. Conf. for Convergence of Technology (I2CT)*, 07-09 Apr 2017. Pune, India. 2017; 5pp.
- Panem, C.; Rane, U.V.; Gad, R.S. Network on chip performance analysis over 2-D and 3D mesh topologies for CBR & FTP applications. 10. *Nat. Symp. VLSI and Embedded System*, 27-28 Apr 2017. Goa College of Engineering, Farmagudi, Goa. 2017; 7pp.
- Parab, J.S.; Gad, R.S.; Naik, G.M. Influence of PCA components on glucose prediction using non-invasive technique. *Int. Conf. on Advances in Electrical, Electronic and Systems Engineering (ICAEES)*, 14-16 Nov 2016. Putrajaya, Malaysia. 2016; 473-476. <http://dx.doi.org/10.1109/ICAEES.2016.7888091>
- Patil, S.; Naik, G.M.; Pai, K.R.; Gad, R.S. Neural network based classification of Glioma Grade III and Grade IV. *Int. Conf. on Engineering and Technology (ICET)*, Mumbai, Krishna Palace Hotel, Mumbai. 27 Nov 2016. 2016; 4pp.
- Patil, S.; Naik, G.M.; Pai, K.R.; Gad, R.S. Thresholding method for classification of Glioma Grade III and Grade IV. *Int. Conf. on Engineering and Technology (ICET)*, Mumbai, Krishna Palace Hotel, Mumbai. 27 Nov 2016. 2016; 5pp.
- Prabhu, Y.; Parab, J.S.; Gad, R.S.; Naik, G.M. Detection of stem and toor borer pest in trees using embedded platform. *Proc. Nat. Conf. on Science Education and Research (NCSER 2016)*, Bangalore, India, Dec 2016. 2016; 4pp.
- Prabhu, Y.; Parab, J.S.; Gad, R.S.; Naik, G.M. Early detection of pest attack in trees using embedded system. 10. *Nat. Symp. VLSI and Embedded System*, 27-28 Apr 2017. Goa College of Engineering, Farmagudi, Goa. 2017; 4pp.
- Raghavendra, R.; Gaonkar, A.A.; Naik, G.M.; Gad, R.S. Extended multi-spectral face recognition across two different age groups: An empirical study. *Proc. 10. Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP'16)*, Guwahati, Assam. 18-22 Dec 2016. 2016; Article No 78. <http://dx.doi.org/10.1145/3009977.3010026>

- Sequeira, M.; Naik, G.M.; Parab, J.S.; Gad, R.S. Sign Language Recognition using sEMG and IMU. *10. Nat. Symp. VLSI and Embedded System*, 27-28 Apr 2017. Goa College of Engineering, Farmagudi, Goa. 2017; 4pp.
- Sequeira, M.; Naik, G.M. Non-invasive estimation of glucose using fixed wavelength visible light sources. *10. Nat. Symp. VLSI and Embedded System*, 27-28 Apr 2017. Goa College of Engineering, Farmagudi, Goa. 2017; 3pp.
- Vernekar, S.R.; Nazareth, I.; Parab, J.S.; Naik, G.M. Error analysis in soil urea prediction based on RF spectroscopy. *IEEE Int. Conf. on Advances in Electronics, Communication and Computer Technology (ICAECCCT 2016)*. 2-3 Dec 2016. Pune, India. 2016; 244-246. <http://dx.doi.org/10.1109/ICAECCCT.2016.7942591>
- Vetrekar, N.T.; Raghavendra, R.; Gad, R.S. Low-cost multi-spectral face imaging for robust face recognition. *IEEE Int. Conf. on Imaging Systems and Techniques (IST)*. 2016; 6pp. <http://dx.doi.org/10.1109/IST.2016.7738245>
- Vetrekar, N.T.; Raghavendra, R.; Gad, R.S.; Naik, G.M. Photometric normalization techniques for extended multi-spectral face recognition: A comparative analysis. *2. Workshop on Computer Vision Applications, IIT-Guwahati, India, ICVGIP*. 18-22 Dec 2016. 2016; 12pp.
- Vetrekar, N.T.; Raghavendra, R.; Gaonkar, A.A.; Naik, G.M.; Gad, R.S. Extended multi-spectral face recognition across two different age groups: An empirical study. *The Indian Conf. on Computer Vision, Graphics and Image Processing (ICVGIP)*, IIT-Guwahati, India. 18-22 Dec 2016. 2016; 8pp. <http://dx.doi.org/10.1145/3009977.3010026>
- Vetrekar, N.T.; Raghavendra, R.; Raja, K.B.; Gad, R.S.; Busch, C. Extended spectral to visible comparison based on spectral band selection method for robust face recognition. *12. IEEE Int. Conf. Automatic Face and Gesture Recognition (FG 2017)*, Washington, DC, 30 May-3 Jun 2017. 2017; 924-930.
- Yallati, B.S.; Shetkar, N.G.; Hagaragi, J.M.; Gad, R.S. Robofish. *Proc. Nat. Conf. on Science Education and Research (NCSER 2016)*, Bangalore, India, Dec 2016. 2016; 5pp.

PhDs:

Degree Awarded: 1

Submitted: 1

Students on Roll: 11

University Science Instrumentation Centre (USIC)

Faculty:

Coordinator USIC

R.V. Pai, Ph.D., Professor & Head of Department of Physics and Coordinator USIC

Madhusudan G. Lanjewar, M. Sc. Technical Officer - I – Electronics, M.Sc. Electronics, NET/SET.

Infrastructure:

- Scanning Electron Microscope (SEM)
- Element Energy Dispersive Spectroscopy (EDS) System
- High Vacuum Diffusion Pumping Station
- Milling Machine
- Lathe Machine
- Drilling Machine (Small & Big Size)
- Glass Blowing Lathe Machine
- Metal Cutter Machine
- Welding Machine
- Metal bending Machine
- High Temperature Furnace
- Glass Cutting Machine
- Glass Surface Finishing Machine

Department of Earth Sciences

Faculty:

Full-time

- **A.G. Chachadi, Ph.D., Professor and Head** – Groundwater Geology, Exploration Geophysics, Environmental Geology
- **K. Mahender, Ph.D.**, Professor – Sedimentology & Petroleum Geology of Mesozoic Basins; Application of GIS & Remote Sensing in Earth Sciences
- **T.A. Viswanath, Ph.D.**, Associate Professor – Petrology and Precambrian Tectonics
- **Anthony A.A.A. Viegas, Ph.D.**, Associate Professor – Igneous Petrology

Part Time:

- **Raghav R. Gadgil, M.Sc.**, Assistant Professor – Igneous Petrology
- **Poornima Dhawaskar, M.Sc.**, Assistant Professor

Other (DST-INSPIRE):

- **S. Ganguly, Ph.D.**, Assistant Professor – Igneous Petrology and Geochemistry

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. R. Mukhopadhyay	NIO, Goa	Marine Mineral Resources	16 Mar 2017
Prof. T. K. Biswal	Dept of Earth Science, IIT, Bombay	Aspects of Structural Geology of Goa	17 Mar 2017
Dr. Anil K. Kaul	DGM, Geology, ONGC, Vadodara	Tectonics & Hydrocarbon Prospectively in Sedimentary basins of India: A few case Studies	17 Mar 2017
Dr. Rahul Mohan	NCAOR, Goa	Cryosphere Research: Role of NCAOR	17 Mar 2107
Mr. Aditya Joshi	MS University, Vadodara	Field Aspects of Structural Geology & Mapping	18 Mar 2017

Major Thrust Areas:

- Petrology and Mineral & Groundwater Resources

Incremental Infrastructure:

- Advanced Research Microscope (Zeis) (1 no.)
- DGPS mapping System (Pentax) (1 no.)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Chachadi, A.G.	Ongoing	Groundwater Resources	UGC-SAP DRS-III level pro	74.00
Mahender, K.		Mineral Resources Conservation – GIS Data Base		
Viegas, A.		Mining and Minerals of Goa		
Vishwanath, T.A.		Igneous and Metamorphic Petrology		

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Workshop on water conservation	4 Feb 2017	Extra Mural Studies Extension Services, Goa Univ
Workshop on water conservation	12 Mar 2017	Extra Mural Studies Extension Services, Goa Univ
Seminar on Geoscience and Mineral Resources	17 Mar 2017	UGC-SAP
Field Training Workshop in Structural Geology in Goa	18-19 Mar 2017	UGC-SAP

Research publications:*Articles in journals (* in SCI Journals):*

- *Fernandes, G.Q.; Iyer, S.D.; Mahender, K. The origin and tectonic setting of Precambrian Greywacke of Ribandar-Chimbel, Goa, India: Petrological and geochemical evidence. *Acta Geologica Sinica: English Edition*. 90(6); 2016; 2036-2048. <http://dx.doi.org/10.1111/1755-6724.13020>
- Kumar, C.P.; Purandara, B.K.; Chachadi, A.G. Subsurface water modelling using SWIM and FEFLOW. *Asia Pacific Journal of Research*. 1(47); 2017; 7-19. <http://apjor.com/downloads/090120172.pdf>
- *Singh, M.R.; Manikyamba, C.; Ganguly, S.; Ray, J.; Santosh, M.; Singh, Th.D.; Kumar, B.C. Paleoproterozoic arc basalt-boninite-high magnesian andesite-Nb enriched basalt association from the Malangtoli volcanic suite, Singhbhum Craton, eastern India: Geochemical record for subduction initiation to arc maturation continuum. *Journal of Asian Earth Sciences*. 134; 2017; 191-206. <http://dx.doi.org/10.1016/j.jseae.2016.09.015>

Articles in conference proceedings

- Saha, S.; Kunte, P.D.; Mahender, K. Application of the remote sensing and geo-spatial technology in terrain analysis and terrain classification in context of creation of SDI for marine and coastal regions. *Spatial Enablement in a Smart World*, Ed. by: David Coleman, Abbas Rajabifard, Joep Crompvoets. *GSDI-15 World Conference*. GSDI Association Press, USA. 2016; 191-211. <https://conf.gsdi.org/index.php/conferences/gsd15/paper/view/211>

PhDs:

Degree Awarded: NIL

Submitted: 1

Students on Roll: 6

Conference Presentations, Lectures, etc.*Conference presentations/ lectures*

- Mahender, K. GIS Science Education Status and Challenges in Asia (**Invited talk**). *GSDI 15 World Conf. on Spatial Enablement in the Smart Homeland*, 28 Nov-02 Dec 2016. GSDI & Ministry of Disaster management, Taiwan.
- Miranda, M.A.; Viegas, A. Microstructures of Chandranath and Insuli Granites from Western Dharwar Craton, India: A comparative study of their deformational history. *Hutton India Conference 2016*, 27 Nov 2016. Badruka College, Kachiguda, Hyderabad.

2.4 Faculty of Life Sciences & Environment

Departments and Degrees:

Department of Botany	(M.Sc., M.Phil.,Ph.D.)
Department of Microbiology	(M.Sc., M.Phil.,Ph.D.)
Department of Marine Sciences	(M.Sc., M.Phil.,Ph.D.)
Department of Zoology	(M.Sc., M.Phil, Ph.D.)
Department of Biotechnology	(M.Sc., M.Phil.,Ph.D.)

FACULTY BOARD (Till 9/1/2017)

Dean, Faculty of Life Science & Environment	Chairperson	(Ex-Officio)
Head, Department of Botany	Member	(Ex-Officio)
Head, Department of Zoology	Member	(Ex-Officio)
Head, Department of Microbiology	Member	(Ex-Officio)
Head, Department of Marine Science	Member	(Ex-Officio)
Head, Department of Biotechnology	Member	(Ex-Officio)
Prof. G. N. Nayak	Member	(Ex-Officio)
Prof. P. K. Sharma	Member	(Ex-Officio)
Prof. (Smt.) Savita Kerkar	Member	(Ex-Officio)
Prof. H. B. Menon	Member	(Ex-Officio)
Prof. S. K. Dubey	Member	(Ex-Officio)
Prof. R. Roy	Member	(Ex-Officio)
Prof. I. K. Pai	Member	(Ex-Officio)
Dr. V. M. Matta	Member	(Ex-Officio)
Prof. S. Krishnan	Member	(Ex-Officio)
Dr. Sanjeev Ghadi	Member	(Ex-Officio)
Prof. (Smt.) Vijaya Kerkar	Member	(Ex-Officio)
Dr. (Smt) Urmila Barros	Member	
Dr. S. Upadhyay	Member	
Dr. S. Garg	Member	
Dr. Aftab A. S. Can	Member	
Dr. Nandakumar M. Kamat	Member	

Faculty of Life Sciences and Environment



Dean's Report

(1) National Conference of Young Researchers 2017

Research Scholars under the Faculty of Life Sciences & Environment organized a 'National Conference of Young Researchers 2017 (NCYR 2017)' on "New Frontiers in Life Sciences & Environment" during 16th and 17th March 2017.

Hon. Chancellor of Goa University and Governor of Goa Dr. (Smt.) Mridula Sinha ji, inaugurated the NCYR 2017 in the presence of Prof. Varun Sahni, the Vice Chancellor of Goa University.

Prof. Sarita W. Nazareth, Head, Department of Microbiology was the convener and Mr. Kashif Shamim, Ph.D. student, Department of Microbiology was the organizing secretary. The event was partially sponsored from XII Plan funds.

More than 150 delegates from 12 states attended the conference wherein more than 100 papers have been presented. The whole conference was a unique event as it was planned and organized wholly by the Research students.

(2) Meeting of Expert Committee of Young Scientist in the area of Life Sciences

A meeting expert committee of Young Scientist in the area of Life Sciences of Science and Engineering Research Board (SERB) was conducted during 9-11 March 2017. More than 30 experts and more than 150 Young Scientists participated in this meeting.

(3) Meeting of Programme Advisory Committee (Plant Sciences)

A two day meeting of Programme Advisory Committee (Plant Sciences) of Science and Engineering Research Board (SERB) was organized on 3rd and 4th May 2017.

(4) Brain Storming Session on "Taxonomy and Phylogeny of Vascular Plants"

A Brain Storming session for a network of Research Projects on "Taxonomy and Phylogeny of Vascular Plants" sponsored by Science and Engineering Research Board (SERB) was organized on 2nd June 2017.

Prof. M. K. Janarthanam

Dean, Faculty of Life Sciences & Environment

Department of Botany

Faculty:

Full-time

- **B.F. Rodrigues, Ph.D., Professor and Head** – Plant Breeding, Mycorrhizal Research
- **M.K. Janarthanam, Ph.D.**, Professor – Genetics and Plant Taxonomy
- **Prabhat Kumar Sharma, Ph.D.**, Professor – Plant Physiology
- **Vijaya Kerkar, Ph.D.**, Professor – Algae and Pteridophyta
- **S. Krishnan, Ph.D.**, Professor – Plant Histochemistry, Plant Biotechnology and Molecular Biology
- **N.M. Kamat, Ph.D.**, Assistant Professor – Biochemistry, Microbiology (Actinobacteria and chemolithotrophs), Mycology (yeasts, mushrooms), Fungal chemistry, Ecology and EIA, Science popularization, Environmental education

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Jaswinder Singh	Plant Science Department, McGill University Quebec , Canada	Transposon Mediated Genomics and Biotechnology in Cereals	28 Nov 2016,

Major Thrust Areas and Achievements:

- Histochemical, biochemical and molecular characterization of economically important plant species from the Western Ghats of India
- Conservation of endangered plants
- Documentation of higher and lower plants
- Bio-prospecting for the production of pigments, diesel, wine, enzymes, etc.
- Effect of environmental factors, pesticides and other pollutants on the physiology of higher and lower plants
- AM inoculum production
- Production of mushrooms, survey of mushroom diversity

Incremental Infrastructure:

- UV Spectrofluorometer, Microscopes, Water filter, Fume Hood, pH meter, Microwave oven, Auto-pipettes, Desktop and laptop computers

Collaborations/ MoUs / Linkages created with other organizations:

Organization	Objectives	Period	Contact person in Dept
Space Applications Centre (SAC), Ahmedabad	Bio-physical characterization and site suitability analysis for Indian Mangroves	1 Apr 2014 - 31 Mar 2017	Rodrigues, B.F.

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Janarthanam, M.K.	Completed	All India Coordinated Project on Sacred Grove Ecosystem Service Assessment: Ecosystem Service Assessment in Sacred Groves of Goa	MoEF	36.41
Janarthanam, M.K. (PI); Krishnan, S. (Co-PI)	Ongoing	Preventing Extinction and Improving Conservation Status of Threatened Plants Through Application of Biotechnological Tools	DBT	35.71
Rodrigues, B.F.	Completed	Monitoring and Evaluation of Plantations under CAMPA in the State of Goa	Forest Dept., Govt. of Goa	2.63
Rodrigues, B.F.	Completed	Bio-Physical Characterization and Site Suitability Analysis for Indian Mangroves (PRACRITI Phase-II Programme)	ISRO	20.00
Sharma, P.K. (Departmental progr. coordinator)	Ongoing	Biodiversity, Eco-physiology and Biotechnology UGC-SAP (DRS III)	UGC-SAP	118.00

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
National Symposium on Challenges to Plant Pathologists under Changing Disease Scenario and Meeting of Indian Society of Plant Pathologists (INSOPP)	5-7 Oct 2016	UGC-SAP
Workshop for College teachers on Improving standards and quality of teaching learning at undergraduate level for effective implementation of CBCS in B.Sc. Botany	23 Feb 2017	Goa University

Research publications:

Articles in journals (in SCI Journals):*

- *Barkworth, M.E.; Watson, M.; Barrie, F.R.; Belyaeva, I.V.; Chung, R.C.K.; Daskova, J.; Davidse, G.; Donmez, A.A.; Doweld, A.B.; Dressler, S.; Flann, C.; Gandhi, K.; Geltman, D.; Glen, H.F.; Greuter, W.; Head, M.J.; Jahn, R.; Janarthanam, M.K.; Katinas, L.; Kirk, P.M.; Klazenga, N.; Kusber, W-H.; Kvacek, J.; Malecot, V.; Mann, D.G.; Marhold, K.; Nagamasu, H.; Nicolson, N.; Paton, A.; Patterson, D.J.; Price, M.J.; Prud'homme van Reine, W.F.; Schneider, C.W.; Sennikov, A.; Smith, G.F.; Stevens, P.F.; Yang, Z-L.; Zhang, X-C.; Zuccarello, G.C. Proposals to provide for registration of new names and nomenclatural acts (276–279). *Taxon*. 65(3); 2016; 656-658. <http://dx.doi.org/10.12705/653.37>
- *Barkworth, M.E.; Watson, M.; Barrie, F.R.; Belyaeva, I.V.; Chung, R.C.K.; Daskova, J.; Davidse, G.; Donmez, A.A.; Doweld, A.B.; Dressler, S.; Flann, C.; Gandhi, K.; Geltman, D.; Glen, H.F.; Greuter, W.; Head, M.J.; Jahn, R.; Janarthanam, M.K.; Katinas, L.; Kirk, P.M.; Klazenga, N.; Kusber, W-H.; Kvacek, J.; Malecot, V.; Mann, D.G.; Marhold, K.; Nagamasu, H.; Nicolson, N.; Paton, A.; Patterson, D.J.; Price, M.J.; Prud'homme van Reine,

W.F.; Schneider, C.W.; Sennikov, A.; Smith, G.F.; Stevens, P.F.; Yang, Z.-L.; Zhang, X.-C.; Zuccarello, G.C. Report of the Special Committee on Registration of Algal and Plant Names (including fossils). *Taxon*. 65(3); 2016; 670-672. <http://dx.doi.org/10.12705/653.43>

- *Bhonsle, S.J.; Krishnan, S. Molecular genetic diversity of landraces, cultivars and wild relatives of rice of Goa. *Current Science*. 111(10); 2016; 1675-1679. <http://www.currentscience.ac.in/Volumes/111/10/1675.pdf>
- *Dai, D.Q.; Phookamsak, R.; Wijayawardene, N.N.; Li, W.J.; Bhat, D.J.; Xu, J.C.; Taylor, J.E.; Hyde, K.D.; Chukenirote, E. Bambusicolous fungi. *Fungal Diversity*. 82(1); 2017; 1-105. <http://dx.doi.org/10.1007/s13225-016-0367-8>
- *Deshpande, A.S.; Mirgal, A.; Krishnan, S.; Narkhede, S.; Janarthnam, M.K. Extended distribution of *Dipcadi concanense* (Dalzell) Baker: A highly threatened plant taxon of the family Asparagaceae. *Journal of Threatened Taxa*. 8(13); 2016; 9586-9588. <http://dx.doi.org/10.11609/jott.2403.8.13.9586-9588>
- *Deshpande, A.S.; Pagare, R.S.; Gosavi, K.V.C.; Janarthnam, M.K. Karyomorphological analysis of *Lepidagathis lutea* (Acanthaceae): An endemic species from western ghats, India. *Cytologia*. 81(2); 2016; 221-223. https://www.jstage.jst.go.jp/article/cytologia/81/2/81_MS1763/_article
- *DSouza, J.; Rodrigues, B.F. Enhancement of growth in mangrove plant (*Ceriops tagal*) by *Rhizophagus clarus*. *Journal of Plant Nutrition*. 40(3); 2017; 365-371. <http://dx.doi.org/10.1080/01904167.2016.1240197>
- Fernandes, M.C.; Krishnan, S. Phytochemical analysis of *Strobilanthes blume* species from Northern Western Ghats of India. *International Journal of Current Pharmaceutical Research*. 8(3); 2016; 108-111. <http://innovareacademics.in/journals/index.php/ijcpr/article/view/13971>
- *Kambale, S.S.; Gholave, A.R.; Bhattacharjee, A.; Yadav, S.R. Typifications and validations of taxa in the genus *Decalepis*: An economically and ethnobotanically important genus of Gymnanthereae (Apocynaceae: Periplocoideae). *Taxon*. 65(4); 2016; 875-877. <http://dx.doi.org/10.12705/654.14>
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- Nair, S.K.; Bhat, D.J. Diversity and seasonal appearance of aquatic fungi in three streams of Western Ghat forests of Goa, India. *Biodiversity Journal*. 7(2); 2016; 215-222. [http://www.biodiversityjournal.com/pdf/7\(2\)_215-222.pdf](http://www.biodiversityjournal.com/pdf/7(2)_215-222.pdf)
- *Nandikar, M.D.; Janarthnam, M.K. Taxonomic Notes on *Microcos* (Malvaceae-Grewioideae) in India. *Phytotaxa*. 272(3); 2016; 201-208. <http://dx.doi.org/10.11646/phytotaxa.272.3.4>
- Nisha Kevat, N.; Sharma, P.K. Photosynthesis in copper mediated plant is affected due to oxidative damage caused by reactive oxygen species (ros) generation. *International Journal of Recent Scientific Research*. 7(10); 2016; 14009-14015. <http://www.recentscientific.com/sites/default/files/Article%20-6381.pdf>
- *Pagare, R.S.; Naik, S.S.; Krishnan, S.; Janarthnam, M.K. Lectotypification of *Pseudoglochidion anamalayanum* Gamble and its taxonomic position under the genus *Phyllanthus* (Phyllanthaceae). *Phytotaxa*. 286(2); 2016; 61-74. <http://dx.doi.org/10.11646/phytotaxa.286.2.1>
- *Pagare, R.S.; Wilson, A.; Janarthnam, M.K. Lectotypification of *Dioscorea zingiberensis* (Dioscoreaceae), an endemic species from China. *Bangladesh Journal of Plant Taxonomy*. 23(1); 2016; 87-89. <http://dx.doi.org/10.3329/bjpt.v23i1.28416>
- *Pratibha, J.; Bhat, D.J.; Prabhugaonkar, A. Molecular phylogeny of *Speiropsis pedatospora*. *Mycosphere*. 7(5); 2016; 679-686. http://mycosphere.org/pdf/Mycosphere_7_5_12.pdf

- Rodrigues, B.F. Mycorrhization in sustainable agriculture. *Journal of Mycology and Plant Pathology*. 46(2); 2016; 123-133.
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- Sawaikar, R.U.; Rodrigues, B.F. Physico-chemical Characteristics and Phytoplankton diversity in some fresh water bodies of Goa, India. *Journal of Environment Research and Development*. 10(4); 2016; 706-711. <http://www.jerad.org/ppapers/dnload.php?vl=10&is=4&st=706>
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- Shetkar, S.T.; Fernandes, M.C.; Krishnan, S. Antifungal activities of four strobilanthes species from northern Western Ghats of India. *Indo American Journal of Pharmaceutical Research*. 6(6); 2016; 5738-5747. <http://www.scopemed.org/fulltextpdf.php?mno=236858>
- *Su, H.Y.; Hyde, K.D.; Maharachchikumbura, S.S.N.; Ariyawansa, H.A.; Luo, Z.L.; Promputtha, I.; Tian, Q.; Lin, C.G.; Shang, Q.J.; Zhao, Y.C.; Chai, H.M.; Liu, X.Y.; Bahkali, A.H.; Bhat, D.J.; McKenzie, E.H.C.; Zhou, D.Q. The families *Distoseptisporaceae* fam. nov., *Kirschsteiniotheliaceae*, *Sporormiaceae* and *Torulaceae*, with new species from freshwater in Yunnan Province, China. *Fungal Diversity*. 80(1); 2016; 375-409. <http://dx.doi.org/10.1007/s13225-016-0362-0>
- *Willis, A.; Blaszkowski, J.; Prabhu, T.; Chwat, G.; Goralska, A.; Sashidhar, B.; Harris, P.; D'Souza, J.; Vaingankar, J.; Adholeya, A. *Sacculospora felinovii*, a novel arbuscular mycorrhizal fungal species (Glomeromycota) from dunes on the west coast of India. *Mycological Progress*. 15(7); 2016; 791-798. <http://dx.doi.org/10.1007/s11557-016-1208-6>
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- Willis, A.; Sparks, T.H.; Rodrigues, B.F.; Harris, P.J.C. Organic amendment increases arbuscular mycorrhizal fungal diversity in primary coastal dunes. *European Journal of Ecology*. 2(2); 2016; 1-8. <http://dx.doi.org/10.1515/eje-2016-0011>

Articles in conference proceedings:

- Dabholkar, S.; Kamat, N. Fossilized microbial forms in Baltic and Goan Amber: A comparative pioneer study. *Proc. Int. Seminar on New Frontiers in Microbiology and Applied Biology*, 7-8 Jan 2016. St. Xavier's College, Mapusa, Goa. 2016; 35-41.

Unpublished paper:

- Velho-Pereira, S.; Kamat, N.M. Optimization of an anti *Staphylococcus* antibiotic produced by tropical soil dwelling *Streptomyces parvulus*. 2016. <https://dx.doi.org/10.1101/060392>

PhDs:

Degree Awarded: 1

Submitted: NIL

Students on Roll: 22

Conference Presentations, Lectures, etc.

- DaCosta, M.V.; Kevat, N.; Sharma, P.K. A comparative study of copper oxide nanoparticles and bulk Cu on photosynthesis in *Oryza sativa*. *Nat. Conf. on Plant Physiology*, 8-10 Dec 2016. Indian Society of Plant Physiologists.
- Fernandes, M.C.; Krishnan, S. Anatomical characterization of *Strobilanthes Blume* species from Northern Western Ghats to distinguish at vegetative stage. 26. *Annual Conf. of Indian Association for Angiosperm*

Taxonomy and Int. Seminar on Conservation and Sustainable Utilization of Biodiversity, 7-9 Nov 2016. Shivaji University, Kolhapur.

- Fernandes, M.C.; Krishnan, S. Studies on petiole anatomy and their potential use in identification of *Strobilanthes Blume* species (**Best Poster Award: 3rd Place**). *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Ferrao, D.M.; Krishnan, S. Comparative histochemical analysis of *Curcuma longa* and *Curcuma decipiens*. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Janarthanam, M.K. What do the studies on endemic plants of Western Ghats suggest? (**Invited Lecture**). 26. *Annual Conf. of Indian Association for Angiosperm Taxonomy and Int. Seminar on Conservation and Sustainable Utilization of Biodiversity*, 7-9 Nov 2016. Shivaji University, Kolhapur.
- Janarthanam, M.K. Plant Diversity: the Past and the Present (**Invited Lecture**). *Nat. Conf. on Plant Diversity: Past and Present (PDPP-2016)*, 30-31 Dec 2016. Dept. of Botany, Sant Gadge Baba Amravati University, Amravati (Maharashtra).
- Janarthanam, M.K. Conservation of RET species (**Invited Lecture**). *Nat. Seminar on Bio-resource Conservation and Utilization*, 13-14 May 2017. University of Agricultural Sciences, Dharwad, College of Forestry, Sirsi.
- Kamat, N.M. Challenges of science and technology to culture. *Nat. Seminar on Culture Studies and Marathi Literature, Sant Sohriobanth Ambhiye Chair*, 22-23 Mar 2017. Dept. of Marathi, Goa University.
- Kamat, N.M. Biodiversity of Netravali. Workshop on Ecotourism, 29 Mar 2017. Atal Gram Development Agency; Biodiversity of Netravali.
- Kamat, N.M. A roadmap for biodiversity and sustainable tourism. *Seminar on IBD-2017, A Roadmap for Biodiversity and Sustainable Tourism*, 23 May 2017. Ministry of Environment, Forests and Climate Change and Goa State Biodiversity Board.
- Kevat, N.; Sharma, P.K. Copper induced physiological and proteomic changes in the rice seedlings. *Nat. Conf. on Plant Physiology*, 8-10 Dec 2016. Indian Society of Plant Physiologists.
- Krishnan, S. Transgenic rice for enhanced nutrition and food security (**Invited Lecture**). *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. Dept. of Biotechnology, St. Xavier's College, Mapusa, Goa.
- Mandrekar, R.; Krishnan, S. Floral characteristics and pollination biology of *Mammea suriga* from the Western Ghats of India (Best Poster Award: 2nd Place). *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Naik, A.V.; Krishnan, S. Anatomical characterization and localization of primary metabolites of medicinal plant *Annona muricata* L. (Annonaceae). 26. *Annual Conf. of Indian Association for Angiosperm Taxonomy and Int. Seminar on Conservation and Sustainable Utilization of Biodiversity*, 7-9 Nov 2016. Shivaji University, Kolhapur.
- Naik, A.V.; Krishnan, S. Role of anti-proliferative Annonaceous acetogenin from medicinal plant *Annona muricata*: A review. 7. *Int. Conf. on Stem Cells and Cancer: Proliferation, Differentiation and Apoptosis*, 21-23 Oct 2016. International Centre for Stem Cells, Cancer and Biotechnology, Pune, India.
- Naik, A.V.; Krishnan, S. Morphoanatomical characterization and physico-chemical studies of *Annona muricata* L. (Annonaceae) seeds. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Naik, D.D.; Palkar, R.S.; Krishnan, S. Anatomical bases for identification of *Garcinia* L. species from the Western Ghats of India. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Nikita, G.; Verenkar, S.; Krishnan, S. Natural dyes from *Peltophorum pterocarpum* and *Nyctanthes arbor-tristis* as potential biological and textile stains. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Nikita, G.S.; Krishnan, S. Natural dyes from *Garcinia indica* Choisy and *Bixa orellana* L. as potential biological and textile staining. 26. *Annual Conf. of Indian Association for Angiosperm Taxonomy and Int. Seminar on Conservation and Sustainable Utilization of Biodiversity*, 7-9 Nov 2016. Shivaji University, Kolhapur.

- Pagare, R.S.; Krishnan, S.; Janarthnam, M.K. Typification and nomenclatural anomalies in *Dioscorea* L.. 26. *Annual Conf. of Indian Association for Angiosperm Taxonomy and Int. Seminar on Conservation and Sustainable Utilization of Biodiversity*, 7-9 Nov 2016. Shivaji University, Kolhapur.
- Palkar, R.S.; Janarthnam, M.K.; Krishnan, S. Antioxidant potential of different *Garcinia* species from the Western Ghats of India. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Rodrigues, B.F. Scope and limitations of in vitro cultures of Arbuscular Mycorrhizal (AM) Fungi. 38. *Annual Conf. and Nat. Symposium on Challenges Towards Plant Health under Changing Climate Scenario for Sustainable Agriculture*, 24-26 Nov 2016. Bidhan Chandra Krishi Viswavidyalaya and Indian Society of Mycology and Plant Pathology (ISMPP), Udaipur, Rajasthan.
- Sharma, P.K. Two different mechanism of damage to growth and photosynthesis in rice plants due to copper nano particle and bulk copper. *Nat. Conf. on Plant Physiology*, 8-10 Dec 2016. Indian Society of Plant Physiologists.
- Shetkar, S.T.; Krishnan, S. Studies on antifungal activities of four *Strobilanthes* Blume species from Northern Western Ghats of India. 26. *Annual Conf. of Indian Association for Angiosperm Taxonomy and Int. Seminar on Conservation and Sustainable Utilization of Biodiversity*, 7-9 Nov 2016. Shivaji University, Kolhapur.
- Srivastava S.; Sharma, P.K. Effect of salt stress on growth, physiological and biochemical changes in salt tolerant and salt sensitive varieties of rice. *Nat. Conf. on Plant Physiology*, 8-10 Dec 2016. Indian Society of Plant Physiologists.
- Tiwari, P.; Sharma, P.K. Effect of nutrient deficiency on photosynthesis and oxidative damage in *Nostoc spongiaeforme*. *Nat. Conf. on Plant Physiology*, 8-10 Dec 2016. Indian Society of Plant Physiologists.
- Velip, J.G.; Krishnan, S. Histochemical characterization of medicinal plant *Sapindus trifolitus* from the Western Ghats of India. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.

Lectures on other occasions

- Krishnan, S. Fluorescence Microscopy and Histochemistry. *Short Term Course on Research Methodology*. 2 Dec 2016. UGC-HRD Centre, Goa University.
- Rodrigues, B.F. Scope and limitations of AM bio-fertilizers. *Workshop on Role of Mycorrhiza in Sustainable Agriculture and Forestry*. 22 Mar 2017. TERI, New Delhi.

Department of Microbiology

Faculty:

Full-time

- **Lakshangy S. Charya, Ph.D.**, Assistant Professor – General and Environmental Microbiology, Bioremediation, Ectomycorrhizal fungi
- **Santosh Kumar Dubey, Ph.D.**, Professor – Molecular Microbiology, Genetic Engineering, Environmental Biotechnology
- **Sandeep Garg, Ph.D.**, Associate Professor – Industrial and Marine Microbiology, Microbial and Fermentation Technology, Medical Microbiology and epidemiology, Fishery Microbiology, Immunology, Biofertilizer, Biostatistics, Biomathematics, Computer Applications in Biology, Microbial Biodiversity, Ecorestoration
- **Sarita Nazareth, Ph.D., Professor and Head** – Biochemistry & Mycology: Enzymes, Degradations, Metal remediation, Halophilic fungi

Tenure-track (Under the UGC- sponsored Marine Microbiology (M.Sc.), Innovative programme – Teaching and Research in Interdisciplinary and Emerging Areas)

- **Priya M. D'Costa, Ph.D.**, assistant professor – Marine Microbiology, Interactions Between Bacteria and Phytoplankton, Diatom Diversity, Biofilms
- **Milind M. Naik, Ph.D.**, Assistant Professor – Environmental Microbiology, Molecular Biology, Agricultural Microbiology, Marine Microbiology

Contractual

M.Sc. Microbiology Programme

- **Varada Damare, Ph.D.**, Assistant Professor – Microbes Associated with Seaweeds, Zooplankton Microbial Carbon Pump, Bioremediation, Microbial Ecology, Protistology, Mycology
- **Trelita De Sousa, Ph.D.**, Assistant Professor – Denitrification, Bioremediation of Petroleum Hydrocarbons, Extremophiles, Molecular Biology, Taxonomy and Biotechnology

M.Sc. Biochemistry Programme

- **Gauri Achari, Ph.D.**, Assistant Professor – Agricultural Microbiology
- **Sanika S. Naik, Ph.D.**, Assistant Professor – Environmental Nonotechnology

Visiting (M.Sc. Biochemistry Programme)

- **Fraddy D'Souza, Ph.D.**, Fellow – Coastal Ecology & Marine Resources Centre, TERI-Goa.
- **Ida Mukherjee, Ph.D.**, - Biochemistry, Institute of Psychiatry and Human Behaviour, Bambolim, Goa.
- **Vishwas Khodse, Ph.D. (Semester I)** – Biochemistry, General Microbiology

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Narendra Tuteja	Amity Institute of Microbial Technology	Microbial Approach to Improve the Crops Productivity Under Stress	12 Aug 2016
Dr. Renu Tuteja	International Centre for Genetic Engineering and Biotechnology (ICGEB), Italy	Combating Drug Resistance in Malaria by Studying Dna Repair Pathways	12 Aug 2016

Dr. Belle Damodara Shenoy	CSIR-National Institute of Oceanography (Regional Centre), Visakhapatnam	Basics of Molecular Phylogenetic Analysis	10 Feb 2017
Prof. K.A. Natarajan	Department of Materials Engineering, Indian Institute of Science, Bangalore	Biological Mining of Gold	07 Mar 2017

Major Thrust Areas:

- Applied Environmental Microbiology and Marine Microbiology – Ecology of extremophiles with focus on halophilic microorganisms (Archaea, Bacteria, Fungi, Phytoplanktons), their molecular microbiology and genetic engineering, heavy metal bioremediation and bioprospecting for industrially important enzymes (protease, xylanase, amylase cellulases, lipase), antimicrobials and PHA.

Incremental Infrastructure:

- Centrifuge (3 nos.), Refrigerated Centrifuge, Spectrophotometer, Student Microscope (2 nos), Trinocular Research Microscope, Incubator, Compact Scale Balance, Desktop PC (2 nos.)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
D'Costa, P.M.	Ongoing	Fate of Diatoms During Microbially-mediated Decomposition Processes	SERB-DST	6.50
Halder, S.	Ongoing	Application of Metagenomic Technique for Isolation of Microbes from Mangroves for Potential use in Biofertilization and Bioremediation	SERB-DST N-PDF	2.00
Naik, M.M.	Ongoing	Studies on Involvement of Quorum Sensing Molecules in Development of Biofilm and Expression of Virulence Genes in <i>Listeria monocytogenes</i> and <i>Staphylococcus aureus</i> Isolated from Dairy Industry	SERB-DST	11.50

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Biosafety Measures for Students in the Laboratory	20.01.2017	Goa University
Science Open Day with Focus on Specially Abled Children	28.02.2017	Goa University

Research publications:

Articles in journals (* in SCI Journals):

- Halder, S.; Kapil, A.; Sood, S.; Sengupta, S. Female reproductive tract microbiome in gynecological health and problems. *Journal of Reproductive Health and Medicine*. 2(supp2); 2016; s48-s54. <http://dx.doi.org/10.1016/j.jrh.2016.11.007>
- Kale, S.B.; Kurkure, N.V.; Doijad, S.P.; Poharkar, K.V.; Garg, S.; Rawool, D.B.; Barbuddhe, S.B. Variations in stress tolerance abilities of diverse *Listeria monocytogenes* isolates. *International Journal of Current Microbiology and Applied Sciences*. 6(5); 2017; 2246-2258. <https://doi.org/10.20546/ijemas.2017.605.250>

- Mohanty, A.K.; Garg, S.; Dhindsa, K.; Kumar, A. Variable region of 16s rRNA is essential for the identification of Group 1 mosquito-pathogenic strains of *Lysinibacillus*. *Advances in Biotechnology and Microbiology*. 2(2(B)); 2017; ArticleId_555583. <https://www.juniperpublishers.com/aibm/pdf/AIBM.MS.ID.555583.pdf>
- *Naik, M.M.; Prabhu, M.S.; Samant, S.N.; Naik, P.M.; Shirodkar, S. Synergistic action of silver nanoparticles synthesized from silver resistant estuarine *Pseudomonas aeruginosa* strain SN5 with antibiotics against antibiotic resistant bacterial human pathogens. *Thalassas*. 33(1); 2017; 73-80. <http://dx.doi.org/10.1007/s41208-017-0023-4>
- *Sharma, J.; Shamim, K.; Dubey, S.K.; Meena, R.M. Metallothionein assisted periplasmic lead sequestration as lead sulfite by *Providencia vermicola* strain SJ2A. *Science of The Total Environment*. 579; 2016; 359-365. <http://dx.doi.org/10.1016/j.scitotenv.2016.11.089>
- Sukhadeo B Barbuddhe, S.B.; Doijad, S.P.; Goesmann, A.; Hilker, R.; Poharkar, K.V.; Rawool, D.B.; Kurkure, N.V.; Kalorey, D.R.; Malik, S.S.; Shakuntala, I.; Chaudhari, S.; Waskar, V.; D'Costa, D.; Kolhe, R.; Arora, R.; Roy, A.; Raorane, A.; Kale, S.; Pathak, A.Negi, M.; Kaur, S.; Waghmare, R.; Warke, S.; Shoukat, S.; Harish, B.; Poojary, A.; Madhavaprasad, C.; Nagappa, K.; Das, S.; Zende, R.; Garg, S.; Bhosle, S.Radriguez, S.; Paturkar, A.; Fritzenwanker, M.; Ghosh, H.; Hain, T.; Chakraborty, T. Presence of a widely disseminated *Listeria monocytogenes* serotype 4b clone in India. *Emerging Microbes and Infections*. 5; 2016; ArticleID e55. <http://dx.doi.org/10.1038/emi.2016.55>

Article in conference proceedings:

- Lotlikar, G.; Naik-Samant, S. Antimicrobial activity of mangrove plants of Goa, India against human pathogenic bacteria. *Proc. Nat. Seminar on Advances in Life Sciences*, 7-8 Dec 2015. St. Xavier's College, Mapusa, Goa. 2016; 55-61.

Book chapters:

- Charya, L.S. Selenium pollution in the marine environment and marine bacteria in selenium bioremediation. *Marine Pollution and Microbial Remediation*, Ed by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 223-237. http://dx.doi.org/10.1007/978-981-10-1044-6_14
- D'Costa, P.M.; D'Silva, M.S.; Naik, R.K. Impact of pollution on phytoplankton and implications for marine econiches. *Marine Pollution and Microbial Remediation*, Ed by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 205-222. http://dx.doi.org/10.1007/978-981-10-1044-6_13
- deSousa, T. Biosurfactant-producing denitrifying bacteria in marine petroleum-contaminated environmental sites. *Marine Pollution and Microbial Remediation*, Ed by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 129-142. http://dx.doi.org/10.1007/978-981-10-1044-6_3_8
- Halder, S.; Sengupta, S. Microbial ecology at rhizosphere: Bioengineering and future prospective. *Plant-Microbe Interaction: An Approach to Sustainable Agriculture*, Ed. by: Devendra K. Choudhary, Ajit Varma and Narendra Tuteja. Springer. 2016; 63-96. http://dx.doi.org/10.1007/978-981-10-2854-0_4
- Naik, M.M.; Dubey, S.K. Editors Lead- and mercury-resistant marine bacteria and their application in lead and mercury bioremediation. *Marine Pollution and Microbial Remediation*, Ed by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 29-40. http://dx.doi.org/10.1007/978-981-10-1044-6_3
- Naik, S.S.; Furtado, I. Interaction of Haloarchaea with metals. *Marine Pollution and Microbial Remediation*, Ed by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 143-151. http://dx.doi.org/10.1007/978-981-10-1044-6_9

Book:

- Naik, M.M.; Dubey, S.K. Editors. *Marine Pollution and Microbial Remediation*. Springer, Singapore. 2017; 270pp. <http://dx.doi.org/10.1007/978-981-10-1044-6>

PhDs:

Degree Awarded: 4 Submitted: NIL Students on Roll: 10

Conference Presentations, Lectures, etc.

Conference presentations/lectures

- Andrade, R.V.; Damare, V.S. Dye decolourization by mangrove-derived fungi from Goa (**Poster**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Bhangui, P.; Naik, M.M. Lab-on-a-Chip technology for near patient diagnosis. *Nat. Seminar on Biopolymers and Biosensors: What's new, Whats Next?*, 25 Feb 2017. Dept. of Microbiology, P.E.S's.R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.
- Clement, J.; D'Costa, P.M. Diversity of phytoplankton in a rocky, intertidal environment along the west coast of India (**Poster**). *Nat. Seminar on Biopolymers and Biosensors: What's New, What's Next?*, 25 Feb 2017. Dept. of Microbiology, P.E.S's.R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.
- Coutinho, T.F.; Rodrigues, R.; Salgaonkar, B.B. Comparison of Metal Bioremediation Potential of free and Alginate-immobilized Cells of Haloarchaea (**Poster**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Coutinho, T.F.; Rodrigues, R.; Salgaonkar, B.B. Exploring the Metal Biosorption Potential of Haloarchaea Isolated from Salt Crystals (**Poster**). *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. St. Xavier's College, Mapusa.
- DaCosta, S.; Damare, V.S. Bioluminescent bacteria: The effective biosensors (**Poster**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Fernandes, E.T.; Damare, V.S. Temporal variation in the abundance and diversity of thraustochytrid protists associated with seaweeds from Anjuna Beach, Goa (**Poster**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Fernandes, L.; Achari, G.A. Preliminary studies on use of bacterial pigments as food antioxidants (**Poster**). *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. St. Xavier's College, Mapusa.
- Fernandes, V.; D'Costa, P.M. Analysis of carbohydrates in dinoflagellate and raphidophyte strains isolated from the Eastern Arabian Sea (**Poster**). *Nat. Seminar on Biopolymers and Biosensors: What's New, What's Next?*, 25 Feb 2017. Dept. of Microbiology, P.E.S's R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.
- Fernandes, V.; Vaz, A.C.C.; D'Costa, P.M. Preliminary studies on the lipid content of selected marine phytoplankton isolates (**Poster**). *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. Dept. of Biotechnology, St. Xavier's College, Mapusa, Goa.
- Gadekar, S.; Achari, G.A. Antagonistic activities of lactic acid bacteria against food borne pathogens (**Poster**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Gaonkar, S.K.; Furtado, I.J. Biomineralization of complex polymers by hydrolytic enzymes from Halophilic Eubacteria and Haloarchaea (**Poster**). *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Gawde, A.; Charya, L. Plant growth promoting potential of root nodulating bacteria (RNB) from legumes (**Poster**). *Nat. Seminar on Biopolymers and Biosensors: What's New, What's Next?*, 27 Feb 2017. Dept. of Microbiology, P.E.S's.R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.
- Golandaj, T.; Salgaonkar, B.B. Malachite Green-Triphenylmethane dye decolorization by Extremely Halophilic Bacterial Isolate Ec (**Poster**). *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Gosavi, P.G.; Salgaonkar, B.B. Degradation of Agricultural Polymers by Halophilic Isolates and Biosynthesis of Biodegradable Plastics (**Poster**). *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.

- Govekar, V.; Naik, M.M. Marine bioluminescent bacteria as an indicator of metal, organometals and metalloids pollution in marine environment. *Nat. Seminar on Biopolymers and Biosensors: What's new, Whats Next?*, 27 Feb 2017. Dept. of Microbiology, P.E.S's.R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.
- Kajawadekar, K.G.; Damare, V.S. Production and partial characterization of L-Asparaginate for its novel application as plant growth promoter **(Poster)**. *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Kerkar, B.; Salgaonkar, B.B. Study on C-50 Carotenoids from Halophilic Archaea. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Kunkolienkar, R.S.S.; Naik, A.G.; D'Costa, P.M. Studies on bacteria associated with the toxic dinoflagellate - *Prorocentrum rhathymum* **(Poster)**. *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. Dept. of Biotechnology, St. Xavier's College, Mapusa, Goa.
- Malik, A.D.; Furtado, I.J. Haloarchaea with Potential to Degrade Plant Polymer **(Poster)**. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Malik, A.D.; Gaonkar, S.K.; Alvares, J.J.; Furtado, I.J. Haloarchaea of Goan Origin as a Source of Biotechnologically Important Enzymes **(Poster)**. *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. St. Xavier's College, Mapusa.
- Miranda, S.; Achari, G.A. Enzyme producing bacteria from fish gut as a fish feed supplement **(Poster)**. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Naik, M.M. Lead-resistant *Providencia alcalifaciens* strain 2EA bioprecipitates Pb+2 as lead phosphate. *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. Dept. of Biotechnology, St. Xaviers College, Mapusa, Goa.
- Naik, S.; Damare, V.S. Temporal variation in diversity and pelagic free-living and fish associated bacteria from Zuari estuary **(Poster)**. *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Naik, S.; Desai, R.; D'Costa, P.M. Studies on the culturable bacteria associated with selected diatom monocultures **(Poster)**. *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. Dept. of Biotechnology, St. Xavier's College, Mapusa, Goa.
- Naik, S.D.; Naik, D.H.; D'Costa, P.M. Exploring the sensitivity of raphidophytes to metals and organic pollutants **(Poster)**. *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. Dept. of Biotechnology, St. Xavier's College, Mapusa, Goa.
- Pednekar, A.; Singh, S.; Mukherjee, S.; Mishra, A. Carbon quantum dots from marine algal biomass for detection of heavy metals and endocrine disrupters. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Pereira, D.; Achari, G.A. Isolation of siderophore producing rhizobacteria for plant growth promotion **(Poster)**. *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Raj, A.B.; Achari, G.A. Rhizosphere colonizing *Pseudomonas* sp. for growth promotion in cowpea **(Poster)**. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Rodrigues, R.; Salgaonkar, B.B. Culturable Halophilic Diversity of Crude Salt Crystals. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Sawant, D.; Salgaonkar, B.B. Degradation of Polymers by Multi-Extremozymes from Halophilic archaeal isolate EVo8 **(Poster)**. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.

- Sawant, D.T.; Kerkar, B.; Salgaonkar, B.B. Production of Halo-alkali Thermo Stable Amylase By Extremeley Halophilic Isolate EVo8[™] (**Poster**). *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. St. Xavier's College, Mapusa.
- Shet, V.M., Damare, V.S. Distribution of human pathogenic bacteria i the waters and and those associated with fishes from the Zuari estuary (**Poster**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Talaulikar, A.; Achari, G.A. Extracellular enzymes of halophilic bacteria isolated from coastal econiches in Goa (**Poster**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next?* 25 Feb 2017. Dept. of Microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Tandel, P.; Charya, L. Paper waste: A challenge for bacterial cellulase (**Poster**). *Nat. Seminar on Biopolymers and Biosensors: What's New, What's Next?*, 26 Feb 2017. Dept. of Microbiology, P.E.S's.R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.
- TehseerKhan; Charya, L. Biotransformation of toxic forms of Selenium (**Poster**). *Nat. Seminar on Biopolymers and Biosensors: What's New, What's Next?*, 25 Feb 2017. Dept. of Microbiology, P.E.S's.R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.
- Vaz, A.C.C.; Fernandes, V.; D'Costa, P.M. Protein content in selected phytoplankton species: Comparison between active and decomposition phases of growth (**Poster**). *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. Dept. of Biotechnology, St. Xavier's College, Mapusa, Goa.
- Vaz, A.C.C.; Silveira, V.; D'Costa, P.M. Protein estimation using Folin assay from whole cell, culture filtrate and cell extracts of diatom cultures (**Poster**). *Nat. Seminar on Biopolymers and Biosensors: What's New, What's Next?*, 25 Feb 2017. Dept. of Microbiology, P.E.S's R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.

Lectures on other occasions

- Garg, S. Bioplastics: A solution to thermoplastic menace. *Refresher Course in Environmental Studies*. 10-30 Jan 2017. UGC-HRD Centre, Goa University.
- Garg, S. Hazards and safety in laboratories. *Refresher Course in Environmental Studies*. 10-30 Jan 2017. UGC-HRD Centre, Goa University.
- Nazareth, S. Research methodology: The essential basics in carrying out doctoral research. *Short term course for research scholars*. 28 Nov 2016. UGC-HRD Centre, Goa University.
- Nazareth, S. 1) Fungi: Beneficial and harmful, and their applications, 2) Opportunities in the field of microbiology at Goa University and elsewhere (**Inaugural Lectures as Chief Guest**). *Fungi Fest*. 13 Dec 2016. St. Xavier's College, Mapusa.
- Nazareth, S. Fungi: Diversity and potential. *Refresher Course in Environmental Studies*. 10-30 Jan 2017. UGC-HRD Centre, Goa University.
- Nazareth, S. Extremophilic fungi. *Refresher Course in Environmental Studies*. 10-30 Jan 2017. UGC-HRD Centre, Goa University.
- Nazareth, S. Newer methods of food preservation. *Refresher Course on Biosciences*. 1-30 Apr 2017. UGC-HRD Centre, Goa University.
- Nazareth, S. Can microbes exist in extreme environments?. *Refresher Course on Biosciences*. 1-30 Apr 2017. UGC-HRD Centre, Goa University.

Department of Marine Sciences

Faculty:

Full-time

- **G. N. Nayak, Ph.D.**, Professor – Marine Geology, Modern Sedimentology, Sediment Geochemistry, Coastal Dynamic, Estuarine Sediments, Tidal / Mud Flats, Environmental studies
- **Harilal B. Menon, Ph.D.**, Professor – Physical Oceanography, Coastal water optics, aerosol and radiative forcing, Radiative transfer modelling of visible spectrum of EMR, Optical remote sensing of coastal and estuarine waters
- **Chandrashekher U. Rivonker, Ph.D., Professor and Head** – Marine Biodiversity and Ecology, Fisheries, Aquaculture, Phytoplankton Ecology
- **Vishnu Murty Matta, Ph.D.**, Professor – Marine Chemistry, Environmental Chemistry and Marine Pollution
- **S. Upadhyay, Ph.D.**, Associate Professor – Marine Chemistry, Estuarine Chemistry, Aquatic Chemistry
- **Aftab A. Can, Ph.D.**, Assistant Professor – Satellite meteorology and Oceanography, Physical Oceanography, Air-sea Coupling and Climate

Major Thrust Areas and Achievements:

- *Thrust areas*: Physical Oceanography, Marine Chemistry; Marine Biology and Marine Geology.
- *Achievement*: DST-FIST funded Department

Incremental Infrastructure:

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Matta, V.M.	Ongoing	Atmospheric Deposition and its Influence on Nutrients in Coastal Waters of Goa: West Coast of India	MoES	47.37
Muraleedharan, U. (PI); Matta, V.M. (Co-PI)	Completed	Biogeochemical Studies of the Arabian Sea and the Effect of Riverine Inputs from the Mandovi-Zuari System along the West Coast of India	MoES	64.00
Menon, H.B.	Ongoing	Optical Characterization of Case II: Waters and Retrieval of Colour Components from an Optical Sensor	INCOIS	61.23
Menon, H.B.	Ongoing	Establishing A Network Station at Goa University for Atmospheric Boundary Layer Measurements Under The Noble Project of ISRO-GBP-SPL, VSSC, ISRO	ISRO	86.65
Menon, H.B.	Ongoing	Aerosol Radiative Forcing over India	VSSC, ISRO	50.00
Nayak, G.N.	Ongoing	High Resolution Paleoclimatic Studies from the Bay of Bengal	MES	12.78
Nayak, G.N.	Ongoing	Estimation of Beryllium from the Polar Regions and Lake Sediments: Paleo-Oceanographic Implications	AUC-UGC	6.03
Rivonker, C.U.	Ongoing	Ballast Water Management Programme- India (BAMPI)	NIO	106.41
Rivonker, C.U. (PI); Kerkar, V. (Co-PI)	Completed	Harmful Algal Blooms (HABs): Hab Monitoring (Mangalore to Goa)	MoES	54.00

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
DST Inspire Faculty Monitoring cum Interaction Meet in Earth, Atmosphere and Mathematical Sciences	27–28 Jan 2017	DST, Govt. of India, New Delhi

Research publications:

Articles in journals (* in SCI Journals; † in Scopus Journals):

- †Fernandes, L.L.; Nayak, G.N. Geochemical assessment and fractionation of trace metals in estuarine sedimentary sub-environments, in Mumbai, India. *Environmental Nanotechnology, Monitoring & Management*. 6; 2016; 14-23. <http://dx.doi.org/10.1016/j.enmm.2016.06.003>
- *Hegde, M.R.; Padate, V.P.; Rivonker, C.U. Seasonal variations in habitat selection and catch trends of Sciaenids (Family: Sciaenidae) from the tropical waters off Goa, west coast of India. *Indian Journal of Geo-Marine Sciences*. 45(8); 2016; 943-951. <http://nopr.niscair.res.in/handle/123456789/35178>
- *Madhavan, B.L.; Deneke, H.; Witthuhn, J.; Macke, A. Multiresolution analysis of the spatiotemporal variability in global radiation observed by a dense network of 99 pyranometers. *Atmospheric Chemistry and Physics*. 17; 2017; 3317-3338. <http://dx.doi.org/10.5194/acp-17-3317-2017>
- *Noronha-D'Mello, C.A.; Nayak, G.N. Assessment of metal enrichment and their bioavailability in sediment and bioaccumulation by mangrove plant pneumatophores in a tropical (Zuari) estuary, west coast of India. *Marine Pollution Bulletin*. 110(1); 2016; 221-230. <http://dx.doi.org/10.1016/j.marpolbul.2016.06.059>
- *Purnima, B.; Nayak, G.N. Changing depositional environment revealed from sediment components, west of "Swatch of No Ground", northern Bay of Bengal. *Arabian Journal of Geosciences*. 9(9); 2016; Article ID 551. <http://dx.doi.org/10.1007/s12517-016-2563-y>
- *Sanaye, S.V.; Rivonker, C.U.; Ansari, Z.A.; Sreepada, R.A. A new distributional record of alligator pipefish, *Syngnathoides biaculeatus* (Bloch, 1785) along Goa, central west coast of India. *Indian Journal of Geo-Marine Sciences*. 45(10); 2016; 1299-1304. [http://nopr.niscair.res.in/bitstream/123456789/35719/1/IJMS%2045\(10\)%201299-1304.pdf](http://nopr.niscair.res.in/bitstream/123456789/35719/1/IJMS%2045(10)%201299-1304.pdf)

Book chapter

- Fernandes, L.L.; Nayak, G.N. Assessing metal contamination in recent creek sediments using fractionation technique along Mumbai coast, India. *Marine Pollution and Microbial Remediation, Ed by Milind Mohan Naik and Santosh Kumar Dubey*. Springer. 2017; 1-13. http://dx.doi.org/10.1007/978-981-10-1044-6_1

PhDs:

Degree Awarded: 12

Submitted: 12

Students on Roll: 09

Conference Presentations, Lectures, etc.

- Choudhary, S.; Nayak, G.N.; Tiwari, A.K.; Khare, N. Lacustrine sediments: Their source, depositional processes and productivity, Larsemann Hills, East Antarctica. *Nat. Conf., Workshop on Polar Sciences*, 16-17 May 2017. National Centre for Antarctica and Ocean Research, Vasco-Da-Gama, Goa.
- Choudhary, S.; Nayak, G.N.; Tiwari, A.K.; Khare, N. Source and processes of the lacustrine sediments and their effect on productivity of Schirmacher Oasis and Larsemann Hills, East Antarctica (**Best Poster Award**). *Summer School on Antarctic Climate Variability and Ice Dynamics*, 8-11 May 2017. National Centre for Antarctica and Ocean Research, Vasco-Da-Gama, Goa.
- Choudhary, S.; Tiwari, A.K.; Nayak, G.N.; Purnima, B.; Khare, N. Understanding source of sediments and processes of recent past in Schirmacher Oasis, East Antarctica. *Energy Resources and Climate Change (Nat. Conf. and 33. Convention of Indian Association of Sedimentologists)*, 12-14 Nov 2016. Institute of Science, BHU, Varanasi.

- Matta, V.M. Atmospheric deposition of metal in aerosols collected Goa West coast of India. *Nat. Conf. of Young Researchers 2017 on new Frontiers in Life sciences and Environment*, 16-17 Mar 2017. Goa University.
- Matta, V.M. Assessment of metal concentration in sediment cores of water reservoir of Goa- West coast of India. *Nat. Conf. of Young Researchers 2017 on new Frontiers in Life sciences and Environment*, 16-17 Mar 2017. Goa University.
- Matta, V.M. Geochemistry and assessment of metal pollution in sediments of west coast of India. *Nat. Conf. on Polar Sciences*, 16-17 May 2016. National Centre for Antarctica and Ocean Research, Vasco-Da-Gama, Goa.
- Nayak, G.N. Coast, coastal issues and their management, Goa (Keynote address). *Energy Resources and Climate Change (Nat. Conf. and 33. Convention of Indian Association of Sedimentologists)*, 12-14 Nov 2016. Institute of Science, BHU, Varanasi.
- Purnima, B.; Nayak, G.N. Source, transportation and sink of the surface sediments off Hooghly to Pennar River mouths, western Bay of Bengal. 2. *Nat. Geo-Research Scholars Meet*, 17-19 May 2017. Wadia Institute of Himalayan Geology, Dehradun.
- Purnima, B.; Nayak, G.N. Source and post depositional processes of sediment cores off Godavari River mouth, east coast of India. *Energy Resources and Climate Change (Nat. Conf. and 33. Convention of Indian Association of Sedimentologists)*, 12-14 Nov 2016. Institute of Science, BHU, Varanasi.

Lectures on other occasions

- Rivonker, C.U. Impact of marine biodiversity processes on the benthic ecosystem function. 4 Aug 2016. College of Fisheries, Shirgaon, Ratnagiri, Maharashtra.
- Rivonker C.U. Impact of anthropogenic sources on marine biodiversity and ecosystem function. 20 Jan 2017. Mahasati College of Arts, Commerce and science, Ulga, Karwar, Karnataka.
- Rivonker C.U. (1) Impact of human interference on coastal habitats, (2) Photosynthesis with special emphasis on marine productivity and (3) Marine biodiversity, ecosystem function, climate change and anthropogenic input. *Training program on capacity building on KRP's in biology and ICT in teaching sciences at senior secondary level at all India*. 2-3 Mar 2017. Central Institute of Educational Technology (NCERT), New Delhi.

Department of Zoology

Faculty:

Full-time

- **S.K. Shyama, Ph.D., Professor and Head** – Genetic Toxicology, Human Genetics, Environmental Mutagenicity
- **R. Roy, Ph.D., Professor** – Environmental Physiology, Lipid Biochemistry, Nutritional Biochemistry
- **I.K. Pai, Ph.D., Professor** – Zooplanktology, Biodiversity

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Nagarjuna	Homi Baba Centre for Science Education, Mumbai	Dynamics of knowledge networks	23 Sep 2016
Dr. Arunan	Homi Baba Centre for Science Education, Mumbai	History and Philosophy of science	23 Sep 2016
Dr. Anil Kumar	DCF, Forest Department, Govt. of Goa	Avifaunal Diversity of Goa	26 Dec 2016
Prof. K. Balasubramanian	Dept. Endocrinology Dr. A. L.M. PGIBMS, University of Madras, Chennai	Insulin Resistance – The door to be closed	10 Jan 2017
Dr. Jayshree Phadte	Kedar's Maternity, Infertility & Surgical Hospital, Panaji, Goa	Infertility, Sub-Fertility & Assisted Reproductive Technologies	3 Feb 2017
Dr. Jayshree Phadte	Kedar's Maternity, Infertility & Surgical Hospital, Panaji, Goa	Implantation Genetic Diagnosis	10 Feb 2017
Prof. Douglas R. Tocher	Institute of Aquaculture University of Stirling, U.K.	The Omega – 3 story : Sourcing & using EPA & DHA	10 Mar 2017

Major Thrust Areas and Achievements:

Thrust areas:

- Understanding the protective roles of fatty acids and lipids from fish or marine bacteria towards inflammatory disorders and growth of animals
- Membrane structure and cellular functions during adaptation process
- Gamma radiation induced genotoxicity in fishes and bivalves
- Genetic damage induced by various pollutants on marine fauna, including fishes and bivalves
- Genotoxic effects of pesticides / drugs / pollutants / spices / nanomaterials on mouse and human blood cells, in vivo / in vitro
- Biodiversity and eco-dynamic studies pertaining to zooplankton, nematodes, ants and beetles of the region.

Incremental Infrastructure:

- Gas Chromatography Mass Spectrometer (Shimadzu)
- Gel DocTM EZ System (Bio-Rad)

- Fermentor (Bioracs)
- Optical Instrumentation Facility
- Single Pan Weighing Balance (Contech)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Roy, R. (PI); Kerkar, S. (Co-PI)	Ongoing	Development of Alternative Sustainable Fish Feeds to Promote Human Health using Novel Non-conventional Indigenous Ingredients	DBT (India); BBSRC (UK)	106.00

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
International Meet and Annual Progress Review of the Global Project on Aquaculture	7-9 Mar 2017	DBT-BBSRC

Research publications:

Articles in journals:

- Dhawan, R.; ManishKumar; Mohanty, A.K.; Dey, G.; Advani, J.; Prasad, T.S.K.; AshwaniKumar Mosquito-borne diseases and omics: Salivary gland proteome of the female Aedes aegypti mosquito . *OMICS: A Journal of Integrative Biology*. 21(1); 2017; 45-54. <http://dx.doi.org/10.1089/omi.2016.0160>
- Kamat, S.G.; Mascarenhas, C.J.; Roy, R. Prophylactic effect of dietary supplementation of fish oil extracted from *Sardinella longiceps* on renal dysfunction in alloxan induced diabetic mice (*Mus musculus*). *Journal of Diabetes and Obesity*. 3(1); 2016; 1-8. <http://dx.doi.org/10.15436/2376-0494.16.853>
- Pai, I.K.; Altaf, M.S. Protein requirement of angel fish *Pterophyllum scalare* (Schultze 1823) (Perciformes: Cichlidae). *Journal of Bioresources*. 3(1); 2016; 30-34.
- Pai, I.K.; Govekar, K. An extensive study on physico-chemical parameters of Bay of Bengal and Central Indian Ocean Basin. *Journal of Aquaculture and Marine Biology*. 4(5); 2016; ArticleID 00097. <http://medcraveonline.com/JAMB/JAMB-04-00097.pdf>
- Pai, I.K.; Kanekar, S.S. Molluscan diversity on Miramar Beach, Goa, India. *Journal of Bioresources*. 3(2); 2016; 11-16.
- Roy, R.; Bhoite, S. Compensatory adjustment in chloride cells during salinity adaptation in mud crab, *Scylla serrata*. *Proceedings of the Zoological Society*. 69(2); 2015; 242-248. <http://dx.doi.org/10.1007/s12595-015-0148-5>
- Roy, R.; Kamat, S.G. Dietary intake omega-3 rich fish oil and management of diabetes. *Journal of Endocrinology and Thyroid Research*. 1(1); 2017; 1-8. <https://juniperpublishers.com/jetr/pdf/JETR.MS.ID.555554.pdf>

Book chapter:

- PraveenKumar, M.K.; D'costa, A.; Shyama, S.K. Genotoxic biomarkers as indicators of marine pollution. *Marine Pollution and Microbial Remediation*, Ed by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 263-270. http://dx.doi.org/10.1007/978-981-10-1044-6_17

PhDs:

Degree Awarded: 3

Submitted: 1

Students on Roll: 7

Conference Presentations, Lectures, etc.

Conference presentations/lectures

- Costa, M.; Fernandes, S.; D'costa, A.; Shyama, S.K.; Kerkar, S. Evaluation of cytotoxic and genotoxic effects of hypersaline bacteria as a live feed supplement for *Litopenaus vannamei*. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- D'costa, A.; Shyama, S.K.; PraveenKumar, M.K. Evaluation of the pollution status of the Goan coast using genotoxicity biomarkers in the bivalve, *Meretrix casta*. *Int. Conf. on Advances in Cellular, genomic and Epigenomic Insights on Environmental Mutagenesis and Health*, 27-29 Jan 2017. Environmental Mutagen Society of India (EMSI) and School of Life Sciences.
- Fernandes, A.; Pai, I.K. Limnological studies of river Chapora, Goa. *Int. Symp. on Understanding the Molecules of Life in the year of new Biology*, 20-22-Oct 2016. Davangere University.
- Gaude, K.; Pai, I.K. Linking vegetation type, soil properties and nematodes abundance from moist deciduous and semi evergreen forests type of Goa, India. *Int. Symp. on Understanding the Molecules of Life in the year of new Biology*, 20-22-Oct 2016. Davangere University.
- Mourya, B.S.; D'Costa, A.H.; PraveenKumar, M.K.; Kaur, P.; Shyama, S.K. Immobilization of copper by bacteria in Carlsberg Ridge: Activity, culturability and identity. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Pai, I.K. Nematodes: The silent killers in agriculture (**Invited Talk and Session Chair**). *Int. Conf. on Global Biodiversity, Climate Change and Sustainable Development*, 15-17 Oct 2016. Rajiv Gandhi University, Itanagar, Arunachal Pradesh.
- Pai, I.K. Learning Zoology without touching them. *Annual Conf. of All India Association for Educational Research (AIAER), Ambala*, 24-26 Nov 2016.
- PraveenKumar, M.K.; Shyama, S.K.; D'costa, A.; Geethalakshmi, K. Biocompatibility studies of CNT reinforced UHMWPE based composites. *Nat. Symposium on Materials Characterization and Manufacturing*, 18-19 Aug 2016. Goa University.
- PraveenKumar, M.K.; Shyama, S.K.; Shamim, K.; Dubey, S.K.; D'costa, A.; Sonaye, B.H.; Chaubey, R.C. Evaluation of DNA damage and expression of DNA damage-related genes after gamma radiation exposure in zebrafish (*Danio rerio*). *Int. Conf. on Advances in Cellular, genomic and Epigenomic Insights on Environmental Mutagenesis and Health*, 27-29 Jan 2017. Environmental Mutagen Society of India (EMSI) and School of Life Sciences.
- Roy, R. Prophylactic effect of dietary fish oils in diabetic mice by altering gene expression. *Int. Conf. on Diabetes and Endocrinology Disorders*, 15-17 May 2017. Gavin Conferences.

Other Information

Prof. I. K. Pai was invited as Visiting Fellow at Rajiv Gandhi University, Arunachal Pradesh during 1-15 Apr 2016.

Department of Biotechnology

Faculty:

Full-time

- **Savita Kerkar, Ph.D., Professor and Head – Marine Microbiology**
- **Usha D. Muraleedharan, Ph.D., Professor – Biochemistry, Enzymology**
- **Sanjeev C. Ghadi, Ph.D., Professor – Applied Enzymology, Genetics and Molecular Biology**
- **Urmila Barros, Ph.D., Associate Professor – Immunology**

Contractual

- **Abhishek Mishra, Ph.D. – Assistant Professor**
- **Gautam Krishnan, Ph.D. – Assistant Professor**

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Lalit Kumar	Howard Medical School, Boston	Leucine Rich Repeated Sequences in Proteins of T-Cells	23 Aug 2016
Dr. Satish Shetye	Goa University (Former VC)	Impact of North Indian Ocean and Surrounding Mountains on the Indian Summer Monsoon	25 Aug 2016
Prof. Jacob de Boer	Institute for Environmental Studies, Amsterdam	Increasing Pressure on the Global Environment	20 Nov 2016
Dr. Thomas Bruckdorfer	IRIS Biotech GmbH, Germany	On Click Chemistry and New Carriers for Polymer therapeutics and Diagnosis	23 Nov 2016
Prof. Douglas R. Toucher	University of Stirling, Stirling, UK	The Omega-3 Story: Sourcing and Using EPA and DHA	10 Mar 2017

Major Thrust Areas and Achievements:

Thrust areas:

- Study of agarases and other commercially important enzymes from marine bacteria
- Biodiversity of actinomycetes in marine sediments of Goa
- Role of thraustochytrid enzymes in detrital degradation
- Potential anti-bacterial compounds against clinical pathogens from hypersaline actinomycetes
- Lectins from marine algae
- Extraction of toxins from marine organisms
- Biotechnologically important proteases from coastal and deep sea bacterial and fungal isolates
- Study of marine algae as a source of nutraceuticals
- Lipases, proteases and polysaccharases from thraustochytrids
- Alkaloids of medicinal value from plants

- Algal biofuel
- Assessment of bacterial pathogens from mangrove ecosystems
- Potential anti-fungal compounds from halotolerant bacteria
- Identification of novel molecule from *G. nervosa* as starch blocker
- Cationic peptides
- Extraction and study of lectins from marine algae
- Use of salt pan bacteria as a biofertilizer in paddy fields
- Evaluating the production of potential of tyrosinase inhibitors from hypersaline bacteria
- Microbial biosurfactants
- Applications of nanoparticles from anaerobes
- Novel viruses from coastal ecosystems and hot spring
- Application of salt pan bacteria in aquaculture

Achievements:

The department initiated and organized Skill Development Programs open to all university students on following topics:

- Home gardening and Composting
- A close encounter with snakes
- The Art of bonsai

Incremental Infrastructure:

- Deep Freezer; Digital Weighing Balance; Autoclave (Slefa); Automated Elisa Plate Reader; Automatic water distiller; 5 Litre Fermenter; Centrifuge (Bioera), Spectrophotometer (Bioera), LCD Projectors

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Kerkar, S.	Ongoing	Impact of Tourism on Estuarine Water Quality and Effect on Mangrove and Saltpan Ecosystem of Goa	DSTE, Goa	19.55
Kerkar, S.	Completed	Consultancy of Water Analysis	Eureka Forbes DBT (India);	0.14 106.00
Roy, R. (PI); Kerkar, S. (Co-PI)	Ongoing	Development of Alternative Sustainable Fish Feeds to Promote Human Health using Novel Non-conventional Indigenous Ingredients	BBSRC (UK)	
Muraleedharan, U. (PI); Matta, V.M. (Co-PI)	Completed	Biogeochemical Studies of the Arabian Sea and the Effect of Riverine Inputs from the Mandovi-Zuari System along the West Coast of India	MoES	64.00

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
National Conference on New Frontiers in Life Sciences and Environment	16-17 Mar 2017	Goa University

Research publications:

Articles in journals (in SCI Journals):*

- Dias, P.E.; Barros U. Utilisation potential of seaweeds from Goa coast. *Seaweed Research and Utilization*. 38(2); 2016; 125-131.
- *Fernandes, M.S.; Kerkar, S. Microorganisms as a source of tyrosinase inhibitors: A review. *Annals of Microbiology*. 67(4); 2017; 343-358. <http://dx.doi.org/10.1007/s13213-017-1261-7>
- *Imran, Md.; Pant, P.; Shanbhag, Y.P.; Sawant, S.V.; Ghadi, S.C. Genome sequence of *Microbulbifer mangrovi* DD-13T reveals its versatility to degrade multiple polysaccharides. *Marine Biotechnology*. 19; 2017; 116-124. <http://dx.doi.org/10.1007/s10126-017-9737-9>
- *Imran, Md.; Saida, B.; Ghadi, S.C.; Verma, P.; Shouche, Y.S. The gut-associated *Klebsiella* sp. of the apple snail produces multiple polysaccharide degrading enzymes. *Current Science*. 110(11); 2016; 2170-2172. <http://www.currentscience.ac.in/Volumes/110/11/2170.pdf>
- Kanchana, R.; Fernandes, C.E.G.; Porob, D. Novel applications of crude bacterial biosurfactant. *International Journal of Life Sciences and Technology, Coimbatore*. 10(4); 2017; 38-44. <https://docs.google.com/a/ijlst.org/viewer?a=v&pid=sites&srcid=aWpsc3Qub3JnfGlqbHN0fGd4OjUyNDAxZjRkZmFkZDRiOTU>
- *Mishra, A.; Akhtar, S.; Jagannath, C.; Khan, A. Pattern recognition receptors and coordinated cellular pathways involved in tuberculosis immunopathogenesis: Emerging concepts and perspectives. *Molecular Immunology*. 87; 2017; 240-248. <https://doi.org/10.1016/j.molimm.2017.05.001>
- Shirodkar, P.V.; Muraleedharan, U.D.; Raghukumar, S. Production of Extracellular Polysaccharases by the Marine Protists, Thraustochytrids, with Special Reference to alpha-Amylase Activity. *International Journal of Pharma and Bio Sciences*. 8(2(B)); 2017; 453-462. <http://dx.doi.org/10.22376/ijpbs.2017.8.2.b453-462>
- *Sinha, R.K.; Krishnan, K.P.; Kerkar, S.; DivyaDavid, T. Spatio-Temporal Monitoring and Ecological Significance of Retrievable Pelagic Heterotrophic Bacteria in Kongsfjorden, an Arctic Fjord. *Indian Journal of Microbiology*. 57(1); 2017; 116-120. <http://dx.doi.org/10.1007/s12088-016-0621-5>
- *Sinha, R.K.; Krishnan, K.P.; MohamedHatha, A.A.; Rahiman, M.; DivyaDavid, T.; Kerkar, S. Diversity of retrievable heterotrophic bacteria in Kongsfjorden, an Arctic fjord. *Brazilian Journal of Microbiology*. 48(1); 2017; 51-61. <http://dx.doi.org/10.1016/j.bjm.2016.09.011>

Book chapters

- Imran, Md.; Poduval, P.B.; Ghadi, S.C. Bacterial degradation of algal polysaccharides in marine ecosystem. *Marine Pollution and Microbial Remediation*, Ed. by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 189-204. http://dx.doi.org/10.1007/978-981-10-1044-6_12
- Kerkar, S.; Das, K.R. Bioremediation of heavy metals from saline water using hypersaline dissimilatory sulfate-reducing bacteria. *Marine Pollution and Microbial Remediation*, Ed. by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 15-28. http://dx.doi.org/10.1007/978-981-10-1044-6_2
- Poharkar, K.; Doijad, S.; Kerkar, S.; Barbuddhe, S Pathogenic bacteria of public health significance in estuarine mangrove ecosystem. *Marine Pollution and Microbial Remediation*, Ed. by Milind Mohan Naik and Santosh Kumar Dubey. Springer. 2017; 239-253. http://dx.doi.org/10.1007/978-981-10-1044-6_15

PhDs:

Degree Awarded: 4

Submitted: 3

Students on Roll: 19

Conference Presentations, Lectures, etc.

Conference presentations/lectures

- Bhambure, A.B.; Kerkar, S. Formulation of a biofertilizer using halotolerant bacteria for rice in Khazan soils. Three minutes thesis presentation, 30 Apr 2017. BITS Pilani, K.K. Birla Campus, Goa.
- Costa, M.; Fernandes, S.; D'Costa, A.; Shyama, S.K.; Kerkar, S. Evaluation of cytotoxic and genotoxic effects of potential hypersaline bacteria as a live feed supplement for *Litopenaeus vannamei*. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Dias, P.E.; Barros, U. Analysis of radical scavenging activity of two seaweeds from Goa to assess their nutraceutical potential. *9. Asia-Pacific Conf. on Algal Biotechnology (APCAB2016)*, 15-18 Nov 2016. King Mongkut's University of Technology-Thonburi (KMUTT), Thailand.
- Faria, N.; Noronha, J.M.; Ghadi, S.C. Prophage induction by Mitomycin C treatment of hot spring bacteria *Pseudomonas* sp. strain Vb3. *Int. Conf. VIROCON 2016 on Global Perspective in Virus disease management*, 8-10 Dec 2016. Indian Institute of Horticultural Research, Bengaluru.
- Fernandes, A.C.; Muraleedharan, U.D. A rapid and effective screening strategy assisting the selection of macroalgae with potential for biodiesel production (**Poster - awarded 2nd place**). *Int. Conf. on Algal Technologies (ICAT-2016)*, 14-16 Jul 2016. Rahul Buddha Vihar Prabandhak Committee, New Delhi.
- Fernandes, M.; Kerkar, S. Optimization of process parameters for bioactive metabolite produced by *Kitasatospora* sp. SBSK-430. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Fernandes, S.; Kerkar, S. Inducible immune-stimulatory effect of Hypersaline bacteria on *Litopenaeus vannamei*. *Int. Conf. on Recent advances in Aquaculture (RAA-2016)*, 16-17 Dec 2016. Department of Marine Living Resources, Andhra Univ..
- Fernandes, S.; Kerkar S. Hypersaline bacteria as a feed supplement for *Litopenaeus vannamei* (**Oral Presentation – 1st Place**). *Three minutes thesis presentation*, 29 Apr 2017. BITS Pilani, K.K. Birla Campus, Goa.
- Goes, A.D.; Ghadi, S.C. Amplification of polysaccharide-degrading gene from metagenomic DNA. *Int. Conf. on Recent trends in Agriculture, Veterinary & Life Sciences (ICAVLS 2017)*, 2-4 Feb 2017. Carmel College, Nuvem Goa.
- Hans, M.; Mishra, A. Screening and characterization of polyhydroxyalkonate producing marine bacteria. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Imran, Md.; Ghadi, S.C. Carbohydrate active enzymes of *Microbulbifer mangrovi* DD-13T: An insight from genome sequence. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Kankonkar, H.; Bhambhure, A.; Kerkar, S.; Mishra, A. PCR based probe for semi-qualitative detection of potential bio-fertilizer in soil. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Kerkar, S. Biopolymers (**Invited Lecture**). *Nat. Seminar on Biopolymers and biosensors... What's new, what's next*, 25 Feb 2017. Dept. of microbiology, P.E.S's Ravi S. Naik College of Arts and Science, Ponda, Goa.
- Kerkar, S. Recent advances in Marine Biotechnology (**Invited Lecture**). *Nat. Conf. on Recent Trends and Opportunities in Life Sciences*, 24-25 Jan 2017. Dept. of Botany, Microbiology and Zoology, Waghire College, Saswad, Pune.
- Kerkar, S. Recent Trends in Biotechnology (**Invited Lecture**). *Nat. Seminar on Advances in Sustainable Biotechnology*, 27-28 Jan 2017. St. Xavier's College, Mapusa.
- Leitao, J.; Fernandes, S.; Kerkar, S. Mishra, A. PCR based methods for semiquantitative detection of microorganisms in aquatic environments. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.

- Leitao, J.; Fernandes, S.; Kerkar, S.; Mishra, A. PCR based probe for semi-qualitative detection of microorganisms in aquatic environments. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Malik, R.; Kerkar, S. Saltpan bacteria as producers of biosurfactant. *Nat. Conf. on recent trends in Biotechnology (BioTrends-2016)*, 19-21 Oct 2016. National Institute of Ocean Technology, Chennai.
- Mathias, A.; Manjrekar, A.; Mishra, A. Green synthesis carbon quantum dots and its antibacterial and bio-sensing application. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Naik, P.G.; Muraleedharan, U.D. Bioactive Peptides from Mangrove Plant Sources. *Nat. Conf. on Recent Trends in Biotechnology (BioTrends-2016)*, 19-21 Oct 2016. National Institute of Ocean Technology, Chennai and SBTI.
- Noronha, J.M.; Mulla, A.B.; Gauns, M.U.; Ghadi, S.C. Flow cytometric enumeration of viruses from selected aquatic ecosystems of Goa. *Int. Conf. VIROCON 2016 on Global Perspective in Virus disease management*, 8-10 Dec 2016. Indian Institute of Horticultural Research, Bengaluru.
- Pawaskar, M.; Fernandes, M.; Kerkar, S. Statistical optimization of the medium components to enhance production of the antifungal metabolite produced by *Bacillus* sp. strain BGUMS27. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Pednekar, A.; Singh, S.; Mukherjee, S.; Mishra, A. Carbon quantum dots from marine algal biomass for detection of heavy metals and endocrine disrupters. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Poduval, P.B.; Ghadi, S.C. Isolation of marine virus from the coast of Goa. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Poduval, P.B.; Ghadi, S.C. Study of a Lysogenic marine bacteriophage - *Microbulbifer* sp. CR-1. *Int. Conf. VIROCON 2016 on Global Perspective in Virus disease management*, 8-10 Dec 2016. Indian Institute of Horticultural Research, Bengaluru.
- Shirodkar, P.V.; Muraleedharan, U.D. Enhanced alpha amylase production by a marine protist, *Thraustochytrium* species. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- Sreekala, S.; Muraleedharan, U.D. In vitro screening for antimicrobial peptide activity from plant source. *Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment*, 16-17 Mar 2017. Faculty of Life Sciences and Environment, Goa University.
- SudhirKumar; Barros, U. Purification and partial characterization of a hemagglutinin from *Ulva fasciata*. *9. Asia-Pacific Conf. on Algal Biotechnology (APCAB2016)*, 15-18 Nov 2016. King Mongkut's University of Technology-Thonburi (KMUTT), Thailand.

Other information:

Professors Barros, U.; Mishra A.; Ghadi, S.C.; Muraleedharan, U.D. and Kerkar, S. acted as Session Chair in Nat. Conf. of Young Researchers (NCYR 2017) on New Frontiers in Life Sciences and Environment during 16-17 Mar 2017 organized by Faculty of Life Sciences and Environment, Goa University.

2.5 FACULTY OF COMMERCE AND MANAGEMENT STUDIES

Departments and Degrees:

Department of Management Studies: (M.B.A., M.Phil., Ph. D.)

FACULTY BOARD

Dean, Faculty of Commerce and Management Studies	Chairman (Ex-Officio)
Head, Department of Commerce	Member (Ex-Officio)
Head, Department of Management Studies	Member (Ex-Officio)
Prof. B. Ramesh	Member (Ex-Officio)
Prof. Nandkumar Mekoth	Member (Ex-Officio)
Prof. K. B. Subhash	Member (Ex-Officio)
Dr. M. S. Dayanand	Member
Dr. R. Nirmala	Member
Dr. Nilesh Borde	Member
Dr. R. Padyala	Member

Faculty of Commerce and Management studies



Dean's Report

Faculty of Commerce and Management Studies offering four programs in its two departments, viz., Master of Commerce (M.Com) and Master of Business Administration - Financial Service (MBA-FS) by the Department of Commerce, and Masters in Business Administration, and Integrated M.B.A (Hospitality, Travel & Tourism) by the Department of Management Studies. This makes this Faculty as the biggest Faculties consisting of around 360 masters' level students and 100 doctoral students. The additional facilities which are available for the students and research scholars includes various statistical software's (SPSS with AMOS and E-Views), data bases (Ace Equity company database, CRISIL Industry database, and Prowess), and also Bloomberg.

The thrust research areas includes capital market studies, commodity market studies, behavioral financer, dynamics mutual fund, dynamics of insurance industry, dynamics of venture capital, consumer behaviour, paradoxes of tourism, significance of pilgrimage tourism, impact of health tourism, human resource management, quality of work life, and corporate social responsibility. The result of the research activities are seen in the form of research papers published in reputed journals in India and abroad. The Research collaborations are also available with Innsbruck University (Austria), HES-SO Valais (Switzerland), University of Graz (Austria), STPB – Bandung Institute of Tourism (Indonesia), Hsing Wu University (Taiwan) and Taiwan Hospitality and Tourism University (Taiwan).

Major and minor research projects in the area of small and medium enterprises and investor protection funded by various agencies are carried out by the faculty members. Consultancy work also carried out by the faculty members. Various workshops in the area of research methodology and use of various statistical techniques are also carried out by the faculty members. National and international level conferences are also organized periodically.

Prof. Subhash K. B.

Faculty of Commerce and Management Studies

Department of Management Studies

Faculty:

Full-time

- **Nandakumar Mekoth**, *Ph.D.*, Professor – Marketing
- **M.S. Dayanand**, *Ph.D.*, Associate Professor – Marketing and Tourism
- **Purva Govind Hegde-Desai**, *A.C.A., Ph.D.*, **Associate Professor and Head** – Finance, Marketing
- **R. Nirmala**, *Ph.D.*, Assistant Professor – Human Resources/ OB
- **Nilesh Borde**, *Ph.D.*, Associate Professor – Finance

Contractual

- **Edgar D'Souza**, *M.Sc. T.H.M. (Hospitality Management)*, Assistant Professor – Hospitality, F&B Service & Management
- **Kevin D'Souza**, *Masters in Tourism Management*, Assistant Professor – Hospitality, Food sector
- **Albino Thomas**, *Masters in Hospitality & Tourism Management*, Assistant Professor – Hospitality & Accommodation's Operations.

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Neharika Vohra	Indian Institute of Management, Ahmedabad	Research Methodology in Social Sciences	16 Dec 2016
Mr. Raj Goel	Consultant in Cyber Security, New York USA	Dangers of Cashless Economy	21 Dec 2016
Dr. E.K. GovindaVarma Raja and Mr. Balakrishnan Koyyal	Former Head, School of Folklore, University of Calicut and Former Station Director, AIR, Cochin respectively	Seminar of Folklore and Tourism	27 Feb 2017
Dr. Abhishek Goyal	Indian Institute of Management, Calcutta	Research in Human Resources	12 Apr 2017

Major Thrust Areas:

- Small and Medium Enterprises and Tourism

Incremental Infrastructure:

- Moved to newly built Block F of the University (all infrastructure that is needed to tune to this set-up)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Borde, N.	Completed	Mood of the State: Survey	Prudent Media	0.50
Borde, N.	Ongoing	Socio Economic Mapping of Villages Affected by Mopa Airport	GMR Goa International Airport Ltd., Goa	5.30
Borde, N. (PI); Dayanand, M.S., Hegde-Desai, P., D'Souza, K., Nirmala, R., D'Souza, E. (Co-PI)	Ongoing	Drafting of Feni Policy (consultancy)	Govt. of Goa	25.00
Hegde-Desai, P. (PI); Borde, N.A. (Co-PI)	Ongoing	Financing of Micro, Small and Medium Enterprises (MSMEs) in Goa (With reference to specified sectors)	UGC	6.37

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Workshop on Succeeding in Academia as a Researcher and Teacher by Dr. Justin Paul, University of Puerto Rico, USA	23 Jul 2016	Self-financed (participant charges) (Coordinated by N. Mekoth)
Workshop on Structural Equations Modelling Using AMOS by Prof. Anandakuttan Unnithan, Indian Institute of Management, Kozhikode	5 Nov 2016	Self-financed (participant charges) (Coordinated by N. Mekoth)
Workshop on Research Methods and Data Analysis using SPSS by Prof. Nandakumar Mekoth, Prof. Purva Hegde-Desai, Goa University and Dr. Sony Michael	6-7 Jan 2017	Self-financed (participant charges) (Coordinated by N. Mekoth)

Collaborations/ MoUs / Linkages created with other organizations:

Organization	Objectives	Period (from to)	Contact person in Dept
Northern Arizona University (NAU), Yuma campus, U.S.A.	Student and faculty exchange	2016-17 onwards	Dr. Nilesh Borde

Research publications:

Articles in journals (* in SCI Journals; † in Scopus journals):

- Braganca, A.V.; Nirmala, R. Nurses perception about the public image of a nurse: An exploratory study. *International Journal of Innovative and Applied Research*. 5(5); 2017; 97-104. http://www.journalijiar.com/uploads/590_IJIAR-2103.pdf

- Chari, S.; Hegde-Desai, P.; Borde, N. A review of literature on short term overreaction generated by news sentiment in stock market. *Anushandhan*. 7(1&2); 2017; 12-21.
- *Dalvi, V.; Mekoth, N. Patient non-adherence: An interpretative phenomenological analysis. *International Journal of Health Care Quality Assurance*. 30(3); 2017; 274-284. <https://dx.doi.org/10.1108/IJHCQA-03-2016-0033>
- *Justin Paul, J.; Sankaranarayanan, K.G.; Mekoth, N. Consumer satisfaction in retail stores: Theory and implications. *International Journal of Consumer Studies*. 40(6); 2016; 635-642. <http://dx.doi.org/10.1111/ijcs.12279>
- Mekoth N.; Mandapathil, T.; Jog, D. Stress, gender and coping: Empirical evidences from retired teachers. *Siddhant: A Journal of Decision Making*. 17(1); 2017; 51-60. <http://dx.doi.org/10.5958/2231-0657.2017.00005.2>
- Parulekar, M.; Mekoth, N. Insights into self-medication. *International Journal of Pharmaceutical Sciences and Business Management*. 5(2); 2017; 1-15. <http://ijpsbm.com/docs/papers/february2017/v5i201.pdf>
- Parulekar, M.; Mekoth, N.; Ramesh, C.M.; Parulekar, A. Self medication in developing countries a systematic review. *Journal of Pharmaceutical Technology, Research and Management*. 4(2); 2016; 103-127. http://dSPACE.chitkara.edu.in/jspui/bitstream/1/766/1/01_JPTRM_Meena%20Parulekar.pdf
- †Sony, M.; Mekoth, N. The mediation role of frontline employee adaptability between service orientation and job outcomes: evidence from Indian power sector. *International Journal of Business Excellence*. 11(3); 2017; 357-380. <http://dx.doi.org/10.1504/IJBEX.2017.081931>
- †Waikar, V.G.; Hegde-Desai, P.G.; Borde, N. Hotel's grid group structure and risk management practices. *Tourism Review*. 71(3); 2016; 192-204. <http://www.emeraldinsight.com/doi/abs/10.1108/TR-03-2016-0006>

Book chapter:

- Nirmala, R.; Gopal, R.K.; Fernandes, W.N. Presenting research. *Management Research in India*. MTC Global Trust. ISBN 978-81-922178-3-3. 2016; 82-94.

PhDs:

Degree Awarded: 5

Submitted: NIL

Students on Roll: 17

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

- Chari, S.; Hegde-Desai, P.; Borde, N. Short term overreaction in Indian Stock Market-An Evidence from CNX Nifty 50 stocks. *Financial Markets and Corporate Finance*, 12-13 Aug 2016. Department of Management Studies, IIT Madras, Chennai.
- Hegde- Desai, P. (**Keynote Address**). *Seminar on Tax Planning and Investment Avenues for Salaried Class*, 17 Oct 2016 . Govt. College of Commerce and Economics, Borda, Margao, Goa.
- Mekoth, N. Tourist segmentation using attitude towards cultural tourism: A cluster analytic approach. *SSBRN Conf.*, 4-5 Aug 2016. Social Science and Business Research Network, Bali, Indonesia.
- Mekoth, N. A new dimension of facilitated giving form of cause related marketing: A conceptual paradigm. 37. *World Management Congress*, 3-4 Dec 2016. Indira Gandhi Technological and Medical Sciences University, Commonwealth Society for Innovation & Research (CWSIR) and Indo Global Chamber of Commerce, Industries and Agriculture (IGCCIA).
- Mekoth, N. Transforming engineering education in India - A situational perspective on quality. 37. *World Management Congress*, 3-4 Dec 2016. Indira Gandhi Technological and Medical Sciences University, Commonwealth Society for Innovation & Research (CWSIR) and Indo Global Chamber of Commerce, Industries and Agriculture (IGCCIA).
- Mekoth, N. Empowerment among married women in Goa: An economic and socio-demographic explanation. *Int. Conf. on Entrepreneurship and Women Empowerment*, 18-19 Nov 2016. National Institute for Entrepreneurship and Small Business Development, Noida.

- Mekoth, N. Reasons influencing non adoption and discontinued use of online banking. *Fostering Innovation in Financial Inclusion*, 4-5 Mar 2017. School of Management, Manipal University, Manipal, Karnataka.
- Nirmala, R. Probable solution to present energy crisis (**Invited Lecture**). *Nat. Conf. on Materials for Energy Conversion and Storage*, 12-13 Feb 2016. Mahatma Phule College, Pimpri-Chinchwad, Pune.

Lectures on other occasions

- Borde, N. Shareholder: Value creation. *Refresher Course in Management Studies and Commerce*. 23 Feb 2017. UGC-HRD Centre, Kannur University, Kerala.
- Hegde- Desai, P. Financing of SMEs-antecedents and challenges. *Refresher Course in Management Studies and Commerce*. 23 Feb 2017. UGC-HRD Centre, Kannur University, Kerala.
- Hegde- Desai, P. Innovative practices in management education. *Institutional Capacity Building Management Training Programme (AICTE-NEQIP) for the faculty of Rajiv Gandhi Government Polytechnic, Itanagar*. 24 Jan 2017. Dept. of Management Studies, Goa University.
- Hegde- Desai, P. Financial management (including strategic cost management). *Management Development Program on Managing Finance for Improving Organisational Performance*. 6 Dec 2016. National Productivity Council (Ministry of Commerce and Industry, Govt. of India).
- Mekoth, N. Research methods and data analysis using SPSS. 95. *Orientation Program*. 11 Jan 2017. UGC-HRD Centre, Goa University.
- Mekoth, N. Research methods and data analysis using SPSS. 96. *Orientation Program*. 27 Mar 2017. UGC-HRD Centre, Goa University.
- Mekoth, N. Research methods and data analysis using SPSS. *Refresher Course*. 13 Feb 2017. UGC-HRD Centre, Goa University.
- Nirmala, R. Personal Effectiveness. 94. *Orientation Program*. 22 Jun 2016. UGC-HRD Centre, Goa University.
- Nirmala, R. Team Building. *Team Building Program*. 04 May 2016. Mormugoa Port Trust, Goa.
- Nirmala, R. Communication Spectrum. *Communication and Presentation Skills for Scientists and Technologists of the Govt. of India*. 29 Aug 2016. Institute for Management Training & Research (IMTR).
- Nirmala, R. Barriers in Communication. Executives in Goa. 26 Aug 2016. Institute for Management Training & Research (IMTR).
- Nirmala, R. Effective Communication for Women scientists. Communication and Presentation Skills. 29 Aug 2016. Institute for Management Training & Research (IMTR).
- Nirmala, R. Time Management in Research. *Short term course for research scholars*. 28 Nov 2016. UGC-HRD Centre, Goa University.
- Nirmala, R. Personal Effectiveness. 95. *Orientation Program*. 10 Jan 2017. UGC-Human Resource Development Centre, Goa University.

Department of Commerce

Faculty:

Full-time

- **G. Anjana Devi Raju, Ph.D., Professor and Head** – Accounting & Finance and Capital market studies
- **B. Ramesh, Ph.D.,** Professor – Accounting & finance, Capital market studies (functional areas), Entrepreneurship, SMEs, Tourism Sector
- **Y.V. Reddy, Ph.D.,** Professor (on lien as Registrar) – Finance & Accounting and Capital markets
- **K.B. Subhash, Ph.D.,** Professor & Dean of Faculty – Finance, Entrepreneurship, Quantitative Techniques, Strategic Management, Materials Management and Tourism
- **P. Sri Ram, Ph.D.,** Assistant Professor – Finance & Accounting, Security Analysis and Portfolio Management

Tenure

- **Pournima S.S. Dhume, Ph.D.,** Assistant Professor – Accounting & Finance, Capital Market Studies, Taxation
- **Poornima, B.G., M.Phil.,** Assistant Professor – Accounting & Finance, Quantitative techniques, Econometrics, Risk management
- **Pushpender Kumar, Ph.D.,** Assistant Professor – Accounting & Finance, Cost management

Contractual

- **Priyanka U. Naik, M.Com.,** Assistant Professor – Accounting & Finance

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Sponsors Role of Quality in Academic Writing	23 Mar 2017	UGC (XII Plan)

Research publications:

Articles in journals (* in SCI Journals):

- Anjana Raju, G.; Marathe, S. Impact of inflation in India, China and USA on the gold prices. *Splint International Journal of Professionals*. 3(10); 2016; 7-18. http://www.splintjournal.in/docs/Current_I/Splint_Vol-3_Issue-10.pdf#page=8
- Anjana Raju, G.; Marathe, S. Impact of crude oil prices in China, India and USA on the gold prices. *Indian Journal of Accounting*. 48(2); 2017; 67-72. <http://indianaccounting.org/downloads/08%20%20%20Prof.%20Guntur%20Anjana%20Raju%20and%20Shripad.pdf>
- Carmelita D'Mello, C.; Fernandes, S.; Zimmermann, F.M.; Subhash K.B.; Pah, J.G. Multi-stakeholder perceptions about sustainable tourism in Goa: A structural equation modeling. *International Journal of Tourism and Travel*. 9(1-2); 2016; 21-39. <http://www.publishingindia.com/ijtt/4/multi-stakeholder-perceptions-about-sustainable-tourism-in-go-a-structural-equation-modeling/527/3773/>
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- Kamat, M.; Ramesh, B.; Dhume, P.S.S. An application of Fixed-Effects Model (FEM) to evaluate financial performance of the Indian life insurance industry. *SAARJ Journal on Banking and Insurance Research*. 5(6); 2016; 14-31. <http://dx.doi.org/10.5958/2319-1422.2016.00006.0>
- Naik, M.S.; Reddy, Y.V. Volatility indices: An international comparison. *IUP Journal of Financial Risk Management*. 13(3); 2016; 7-19. <http://search.proquest.com/openview/192d1dac83a42075f20ef765d404182d/1?pq-origsite=gscholar&cbl=54459>
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PhDs:

Degree Awarded: 7 Submitted: 0 Students on Roll: 24

PART:3

INNOVATIVE PROGRAMMES/SCHEMES

3.1 Research Development & Resources Mobilisation Cell (RDRM)

RDRM Cell acts as a facilitator and record keeper of various research projects and consultancies carried out by the faculty members of Goa University.

The research projects are sanctioned to individual faculty members by various Central government and state government funding agencies like DST-SERB (Science and Engineering Research Board), Council of Scientific and Industrial Research (CSIR), New Delhi, University Grants Commission (UGC), New Delhi, Ministry of Earth Sciences (MoES), New Delhi, Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, Department of Biotechnology (DBT), New Delhi, Indian Space Research Organisation (ISRO), Bangalore, Board of Research & Nuclear Science (BRNS), Mumbai, Department of Science, Technology & Environment, Govt. of Goa, etc.

In addition, Science Departments of the University receive funding under Special Assistance Programme (SAP) of the University Grants Commission and Fund for Improvement S & T Infrastructure in Universities and Higher Education Institutions (FIST) Programme of Department of Science and Technology Govt. of Goa.

In the year 2016-17, **04** sponsored projects and **05** Consultancy were sanctioned to faculty members of the University. Additionally **26** projects are currently on going and **19** programme has been submitted for funding to various funding agencies.

In the present year RDRM hosted a meeting of delegation of European Research and Innovation officers with the faculty members of Goa University to learn about various opportunities European Union provides in Research and Innovation.

RDRM also provides financial assistance to submit a research project as well as travel support (where required) to faculty to defend/present progress of their research project.

Prof. In-charge: K. R. Priolkar, Dept. of Physics.

3.2 Remote Sensing Laboratory (RSL)

A Remote Sensing Laboratory has been established with financial assistance from Indian Space Research Organisation (ISRO). The facilities of the laboratory include hardware and software necessary for image processing. SEADAS has been applied to carry out Image processing. An interdisciplinary course has been introduced across the different faculties where remote sensing technique has application. The laboratory provides hands on training to students who opt for interdisciplinary course on remote sensing and research and thus cater to the county's need for trained manpower in this field. All the instruments necessary for in-situ observations of radiance and irradiance, spectrophotometer for analysing the optically active constituents from samples and sunphotometer for measuring aerosol optical depth have been procured through R&D projects funded by various National agencies. At present there are many R&D projects funded by different agencies like Naval Research Bard, Space Applications Centre, Space Physics Laboratory of VSSC, ISRO and Indian National Centre for Ocean Information Service of Ministry of Earth Sciences, Delhi. All these projects are carried out by Department of Marine Sciences for which the laboratory has been used extensively.

Co-ordinator : Menon H.B., Professor, Dept of Marine Sciences

3.3 Study India Programme (SIP):

The SIP is a programme offered to a group of foreign students wanting to pursue study in India to earn credits. The Universities/institutions desirous of sending a batch consisting not less than five students are required to contact the SIP Coordinator to prepare and sign a Memorandum of Understanding containing the course outline, time-schedule, credit transfer, and fee structure. The MOU is a prerequisite for launching the SIP. The University does not entertain inquiries of students not supported by their respective Universities/Institutions.

During the period under report, 05 students from the Nihon University, Japan participated in the study India Programme at Goa University for a period of six months. The 32 credits earned by the students are transferred to their parent University. i.e. Nihon University, Japan.

Co-ordinators: Somayaji G., Professor Department of Sociology, Tripathi R., Professor Department of Political Science and Alberto Fernandes, Academic (General) Contact - mails: ganesh@unigoa.ac.in, rmt@unigoa.ac.in.

3.4 Extra Mural Studies and Extension Services (EMS & ES)

The extension activities of the Board were carried out both through University Departments and affiliated colleges

1. Extension Services carried out through **University Departments**:

- a) The Department of Political Science organized a day long programme at **Veling Panchayat** with regards to **participatory democracy**.
- b) The Department of **History** took the students of **Government High School, Satari**, and **Azmane High School, Neura**, on **heritage walks** to **Chandor** and **Loutolim**, to give **ninety –five rural students** a glimpse of Goa through the Ages.
- c) The Department of **Earth Science** conducted **two programmes** on **Water harvesting and Conservation**. The first programme was organized at **Mount Mary's Higher Secondary School, Chinchinim**, which more than **120 students** from the Arts, Science and Commerce streams and a couple of teachers of the school attended the same. The **second programme** was organized at **Viscount High School, Pernem**, for students of Class VIII and IX. In both the programmes, there was **an interactive session** on rain water harvesting and conservation followed by a **demonstration of a working model** of water harvesting. On this occasion **posters related to the same were displayed**.

2. Extension Services carried out through Affiliated Colleges:

- a) **Dnyanprasarak Mandal College of Commerce**, conducted a one day workshop on Popularization of Science Education in Goa which was attended by seventy **students** from various Higher Secondary Schools and High Schools of Goa. On this occasion a talk cum demonstration by **Ms Anupa Khorjuvear**, J. E., GEDA was organized.

In the second session, **Prof. E. De'Sa**, spoke on “**What next after the 12.th**”, He also spoke on his research work “**What is glass and how to understand it in a better way**”.

In the third session participants were taken around to various science labs, which gave them an exposure to the various research facilities and instrumentation available in the college.

During the post lunch session **Mr. Sagar Sakordekar**, of SRS Academy, Ponda, spoke on “**Enjoy Maths with Vedic Mathematics**”.

In the last session the National Teachers Award recipient, **Shri. Vijay Kumar Verekar**, retired Asst. Headmaster spoke on “**Learning basics concepts in Physics with household material**”.

- b) **Carmel College for Women Nuvem**, organized a sensitization program on Environment on 9th March for sixty, 8th Std students of Mae dos Pobres School, Nuvem with **Dr. Manoj Borkar** and **Shri. Jose Andrade** as the resource persons

Staff members **Aldina Gomes** and **Gladys D'Souza** met and interacted with **unwed mothers** at Sister Adores House in Pathiapur, Nuvem.

On 20th March there was a **full day First Aid course held** in collaboration with the Red Cross Society

From 20th-22nd March a **nutrition course** was conducted for thirty **participants** from Nuvem and surrounding areas as well as for college students.

On 26th March **Medical camp for Women** was organised wherein test for diabetes, ENT, bone density, PAP smear were conducted for **nearly fifty Women**, with **eight Doctors and Nurses in attendance**

- c) **Shri Mallikarjun College of Arts and Commerce** conducted a **free medical camp** at **Cola Village Panchayat, Canacona**. A total number of **225 villagers** took advantage of the camp which offered bone density test, diabetes detection, uric acid test, orthopedic examination. **Eighty one new cases were detected; Nineteen related to diabetes, fourteen to uric acid, Twelve to high blood pressure twenty to osteopenia and sixteen to osteoporosis.**

Director: Anthony Viegas, Department of Earth Sciences

3.5 Earth Science & Technology Cell (ESTC)/Centre of Excellence in Marine Microbiology (CoE)

The Ministry of Earth Sciences (MoES) supports basic and applied research in Ocean and Atmospheric Science and Technology in Universities through establishment of ESTCs. Nine such specific ESTCs have been set up in different institutions of the country that take up projects submitted by Universities, National laboratories and Indian Institutes of Technology, etc. Goa University has been identified to set up one such specific ESTC in the area of Marine Microbiology.

The objectives of the Cell are to strengthen academic and scientific work in the area of Marine Microbiology. The Cell functions under the guidance of the Management Board constituted by Ministry of Earth Sciences, with the Vice Chancellor, Goa University, as the Chairperson and Research Coordinator, ESTC as Member Secretary. The MB meets to discuss, guide and direct the activities of the Cell.

Coordinantor: Dr. Sandeep Garg, Department of Microbiology

3.6 Computerisation and It Infrastructure (DEITI)

As usual, DEITI has carried out its activities during the period for all kinds of audio-visual productions of various events in the University. The major events include the VRPP lectures by the renowned Speakers, National seminars, conferences, Guest lectures, University Annual Convocation, and University Elections.

DEITI has successfully completed the professional commercial production of the annual 'Kaleidoscope Quiz - VII', where the students from various Higher Secondary Schools in Goa participated. Fifteen episodes were produced in five languages, viz., Portuguese, Konkani, Hindi, Marathi & French which were telecast on a local TV channel.

Recording Studio and post production facility was utilized for production of Audio CD "Vitthal Dindi" for Vitthal Kala and Sanskrutik Mandal, Akhada -St. Estev.

29th Annual Convocation, held on 25th April 2017 was recorded using four camera setup and the LIVE telecast of the proceedings of the Convocation was made available by DEITI through University website.

18th IIRS (Indian Institute of Remote Sensing) Outreach Programme on "Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System" was successfully conducted in DEITI Studio for the students of Earth Science Department from 22nd August to 18th November 2016. A-View platform was used for two-way interaction between the resource persons at Dehradun hub and the participants at the DEITI studio.

In-Charge: Ramrao Wagh, Department of Computer Science

3.7 Workstation for Microdata from Census

A Memorandum of Understanding (MOU) for setting up the workstation was signed by Joint Director, Directorate of Census Operations, Goa and Registrar, Goa University. The workstation was established in the Goa University Library building. The objective of setting up microdata station was to permit qualified researchers optimum use of anonymized sample microdata from census for in-depth research. Workstation enables the researchers to have access to microdata which is not published by census. This facility would be available to all including those who are not part of the University system. Workstation does not permit the researchers to take out or copy the data. The researcher would be allowed to process the sample micro data using the software available in the workstation and generate the tables for use. Only computer printout of the tables so generated will be allowed to be taken out of the work station. Workstation has a fully air-conditioned lab with 5 computer terminals and STATA software to access and process the microdata. The workstation can provide highly useful data for social sciences researchers in Goa and neighboring States.

Coordinators: P. K. Sudarshan, Professor, Department of Economics and
Dr. V. Gopakumar, University Librarian

3.8 National Service Scheme

- 1) There are 33 Colleges with the NSS units with 11816 students registered themselves for the academic year 2016-2017. These are supervised and guided by the vibrant team of over 100 NSS trained Programme Officers. The

units regularly conduct the activities under regular and special camping Programmes. Under the guidance from the State government the NSS units have focused on the adopted Villages, namely Ibrampur in Pernem, Kholia in Canacona, and Rachol in Salcete.

The following programmes/activities were conducted for the academic year 2016-17.

1. The NSS annual General body meeting of all the Programme Officers was held on 17th July 2016 in the conference hall of Goa University.
2. The NSS advisory meeting was held on 22nd July 2016 in the University Conference Hall .The meeting was Chaired by the Hon. Vice Chancellor Dr. Satish Shetye along with the Registrar Prof. Y.S Reddy and the other members of the Advisory committee.
3. The international Youth day Celebration was held on 16th August in association with the Goa state Aids Control Society in the Conference Hall of Goa University. The Deputy Chief Minister, Adv. Francis D'souza was the Chief Guest for the function.
4. The NSS Cell of Goa University in association with the Department of Sports and Youth affairs organized the Tiranga March Rally to Commemorate 70 years of our Independence. Mr. Michael Lobo, MLA of Calangute Constituency flagged off the Rally in presence of the Deputy Collector of Mapusa Mr. Narayan Gad ,Chairman of Mapusa Municipal Council Mr. Sandeep Falari and Mr. V.M. Prabhudesai , the Director of Sports and Youth affairs.
5. The State level “Digital India” workshop was organized in association with National E-Governance department and sponsored by Government of India on 20th September 2016 in the Conference Hall, Department of Chemistry, Goa University. Hon. Chief Minister of Goa State was the Chief Guest for the function along with Mr. Amey Abhyankar, Director of Information Technology, Mr. V.M. Prabhudesai, Director of Sports and Youth affairs, Mr. Khadrinarsinha, Director of regional Centre ,Pune. About 300 Students from Various Colleges in Goa took part in the Programme.
6. To Commemorate the NSS day Celebration the Workshop was held on 27th September in the Institute Menezes Braganza Hall , Panaji . About 300 NSS volunteers and 50 NSS programme officers attended the celebration.
7. The Street play Competitions were organized in both the districts of North Goa and South Goa on 20th and 21st January 2017 respectively to mark the National Voters day celebration on 25th January 1017. The function was also held on 25th January 2017 in Institute Menezes Braganza hall, Panaji to mark the National Voters day on 25th Janaury 2017.
8. The events and Programmes were also organized in all the Colleges to Celebrate the National youth week from 12th to 18th January and particularly the National youth day on 12th January 2017.
9. Ms. Riha Shinde and Mr. Netwin Antao represented India under Youth exchange Programme held at Beijing in China in June 2016.
10. The Indira Gandhi National Service Scheme award was conferred to Mr. Sumant Nayak for the year 2015-16 on 19th November 2016 for his outstanding achievements in NSS, at the hands of Hon. President of India Dr. Pranab Mukherji.
11. About 1500 students availed the benefit of the entitlement for the Vth and VIth Semester examination conducted in October/November and April/May University examinations respectively.
12. The Special camping programme was conducted by 17 Colleges in the remote Villages of Goa and held several activities for the Villagers.

Co-Ordinator: Pradeep Morajkar, St. Xavier's College, Mapusa.

3.9 Visiting Chair Research Professors Programme (VRPP)

Goa University launched the Visiting Chair Research Professors Programme (VRPP) from 2013-14 to bring luminaries in the field of liberal arts & Literature, social and natural sciences, and other fields to the University. The visiting professors will interact with students, deliver lectures, offer courses, and work on collaborative research projects, or stimulate the creation of art installations and music performances with faculty and students. It is hoped that while blurring boundaries between traditional disciplines, the visiting professors will generate a creative environment in learning and contemporary knowledge production practices with their intellectual and aesthetic endeavors.

The programme is being supported by Directorate of Art and Culture, Government of Goa through generous grants.

The full list of Visiting Research Professors including the new appointments is as follows:

Ser#	VRPP Chair	Professor
1	DD Kosambi Chair in Interdisciplinary Studies	Madhav Gadgil Romila Thapar Sudhir Kakar Shahid Amin Kumkum Roy
2	Dayanand Bandodkar Chair in Political Economy	Amit Bhaduri Satish Chandra Satish Deshpande Prabhat Patnaik*
3	Kavivarya Bakibaab Borkar Chair in Comparative Literature	Ashok Vajpeyi Nirmala Jain Jeet Thayil Uday Bhembre Githa Hariharan Vrinda Nabar
4	Mario Miranda Chair in Art, Fine Art	Orijit Sen Jyotindra Jain Vidya Dehejia Sheba Chachhi Raman Sivakumar*
5	Anthony Gonsalves Chair in Western music	Santiago Lucardi Girelli Mark Troop
6	Nana Shirgaokar Chair in Indian Music	Shubha Mudgal Bahauddin Dagar Bombay Jayashri Vidya Shah*
7	Sant Sohrobanath Ambiye Chair	Bhalchandra Nemade Somnath Komarpant*

*- Appointed from 2016-17

VRPP– Salient features & achievements

- Internationally reputed personalities from India and abroad provide unique opportunity to Goans to interact.
- All courses/workshops/sessions are open to students as well as general public.
- Integrated into university's choice based curriculum as credit courses as well as available as electives in affiliated colleges.
- Courses/activities are organized not only at University but also in colleges affiliated to university and other locations in Goa benefitting PG/UG students and general public. Certificates are issued to all the participants who complete the course.
- A dedicated website to disseminate all information related to VRPP Programme and online registration facility for all courses.
- Goa University formed its own Western Music Choir and performed at prestigious festivals and places through efforts initiated due to VRPP Professors.
- Documentation of Goan culture, social practices.
- Infused the young researchers in Goa with new ideas by engaging in dialogues
- Brought back interest in liberal art, Indian and western classical music & Literature in the young minds
- Most of the sessions have been video graphed and made available on web or local intranet. This will serve as a source of knowledge in coming years.

List of activities/courses/workshops conducted under each chair

In its fourth year, various courses, events, workshops and performances were organized under each chair.

I. DD Kosambi Chair in Interdisciplinary Studies

1. Prof Madhav Gadgil: Interaction on Co-operative Mining at ICG on 28th June, 2016.
2. Prof Kumkum Roy conducted a course on “HSO-152 Approaching Early Indian History Through Texts” from 3rd Jan to 19th January, 2017.

II. Dayanand Bandodkar chair in Political Economy

1. Prof Prabhat Patnaik conducted a credit course on “ONB 102 A Perspective on Globalization : Combining Theories, Evidence and Indian Experience” from 11th September to 20th September, 2016 and interacted with research scholars
2. Prof Satish Deshpande conducted a workshop on “Research Practicum” in two phases from 08th Oct to 15th Oct 2016 and from 25th Feb to 27th Feb 2017. Other resource persons who were invited as part of the workshop were Prof K Sataynarayana and M. Madhava Prasad of EFLU, Hyderabad.

III. Kavivarya Bakibaab Borkar chair in Comparative Literature

1. Adv. Uday L. Bhembre taught four 4 credit courses for MA-Konkani students.
2. Geetha Hariharan conducted a course on “EG- 127 Reading and Writing Conflict” from 17th July to 30th July, 2016.
3. Prof Vrinda Nabar conducted a courses on “**EGO 128 Imagining Women: Representations in Literature and Cinema**” and “The Anxieties of Orientalism: India and the Diaspora” from 25 Sept-8 Oct, 2016 and 5th to 19th February, 2017 respectively. A public lecture on “Revisiting Mahabharat: An individual perspective” was delivered on Thursday, 9th February 2017 at 4.00 pm at The International Centre Goa.
4. National Seminar on “R.V. Pandit's poetry” was held on 20th January, 2017 in association with Dept of Konkani.

IV. Mario Miranda chair in Art, Fine Art

1. Vidya Dehejia: conducted a Course on “HSO-155: Woman, Goddess, Power: India's Image of the Feminine” from 20th February to 28th February, 2017
2. Raman Sivakumar delivered 4 public lectures - Art of early modern Indian art, especially the art of Bengal and Santiniketan from 7th to 17th October, 2016 at Sanskriti Bhavan and ICG.

V. Anthony Gonsalves Chair in Western music

1. Prof Santiago Girelli conducted 2 one Credit courses from 23/7 to 21/8/2015 1 Jul, 30 Aug 2016 and 09th Jan to 11th Mar 2017. Choir performances were held and participated in music festivals. A music album was released by the GU Choir.
2. Mark Troop conducted a lecture series on “**The Tell Tale Heart - The Romantic Explosion**” at St Xavier's college, Mapusa from Sept 25 to Oct 1, 2016

VI. Nana Shirgaokar Chair in Indian Music

1. Smt Bombay Jayashri conducted public lectures “Appreciation of Carnatic Music” from 27 Aug to 3 Sept 2016 and public concert was held at Kala Academy on 29th August, 2016.
2. Smt Vidya Shah delivered performance lectures on “**Indian Women and Their Journeys from the Salon to the Studio**” from 17 Oct- 22 Oct 2016 at GIM, Sanquelim, BITS, Pilani, Goa Campus, Ravindra Bhavan, Margao and Sanskriti Bhavan, Panaji.

VII. Sant Sohirobanath Ambiye Chair in Sant Sahitya

1. Prof Somnath Komarpant was appointed as chair Professor from 15th June, 2016.
2. A study tour to the birthplace and other places related to Sant Sohirobanath Ambiye was conducted by Dept of Marathi on 09th December 2016.
3. A national seminar on “Sanskriti- Abhays ani Marathi Sahitya” was held in association with Dept of Marathi from 23rd & 24th March 2017

VRPP Organizational Structure

(WEF 2016-17)

Standing Committee of Executive Council on VRPP

Shri A. Venkatratnam

Hon. Director & Chairperson

Members

Shri Srinivas Dempo, Shri K. Dwarakanath Row, Prof Ira Bhaskar, Shri Ramrao Wagh

VRPP Coordinator : Ramrao Wagh, Department of Computer Science.

PART: 4

GENERAL ADMINISTRATION

4.1 Estate Division

The University has been able to take up the construction works of various buildings/projects, maintenance, repairs and restoration of roof of various buildings, renovation of toilets of various faculty buildings etc. since funds were made available;

- Renovation of Ladies Washrooms in MMS building.
- Renovation of Washrooms in MCA/CLAS building.
- Renovation of toilet blocks of old Zoology building. S.H.-Electrical work.
- Annual operation and maintenance of electric sub-stations & power 4 supply within Goa University campus.
- Providing M.S. grills doors for the entrance of A & B type quarters.
- Repairs and restoration of roof of Faculty Block E left wing (Phase I).
- Repairs and restoration of roof of rear side Adm. Block (Phase I).
- Providing G. I. chain link fencing for proposed cricket ground.
- Providing new wiring for A & B type quarters.
- Raising the height of the existing compound wall at women hostel.
- Closing of balconies with M.S. grills at UGC HRDC.
- Repairs and restoration of roof of rear side Adm. Block (Phase II).
- Annual operation and maintenance of sewerage pumping stations and network within Goa University campus.
- Repairs and restoration of main water supply pumping line connecting overhead tank near SBI circle.
- Construction of Women's hostel.
- Providing and fixing overhead tanks and connecting PWD water to drinking waterlines of new boys hostel, old boys hostel and ladies hostel (A wing).
- Repairs and restoration of roof of Faculty Block B- right wing (Phase II).

4.2 Computerisation and IT Infrastructure

The Software Requirement Specification (SRS) for University Management system was successfully completed and development of the software was in advance stage of implementation. The admission to all the PG, PhD programmes was done through online system by integrating to online Payment gateway. Modification in the existing programs & development of new programs were carried on in the Examination system.

A professional Data Centre with Smart Cabinets was set up in the Computer Centre. All the important and delicate servers were placed there with proper security.

The network connectivity with optic fibre cable was extended on the campus under NMEICT scheme. This has upgraded the network infrastructure by connecting the newly constructed premises. A separate network was being established for exclusive usage for about 60 Cameras to be installed at various locations on the campus. The monitoring station for monitoring all the surveillance cameras was set up with required hardware in the Admin building.

In Charge: M.Chakraborty

4.3 Library

The Goa University Library and Information Centre was established in the year 1985. It was then part of the Post Graduate Centre of the Bombay University (CPIR). From its modest collection of books, this library has developed into a huge library with modern facilities.

At present the library has a collection of 169496 books and 10983 volumes of bound journals. The library subscribes to 263 periodicals out of which 87 are foreign journals. The library is getting a large number of periodicals on gratis too.

The library is automated for its routine works and the entire collection is bar-coded. The Library services are being done through an Open Source Integrated Library management Software KOHA. Users can easily get awareness on the availability of books and they can reserve and renew the books themselves through this software. The library also offers access to general reference materials like the Encyclopedia Britannica and Encyclopedia of Science and Technology, World Book Encyclopedia, Oxford English Dictionary.

Library website

The Library website can be accessed at the url www.library.unigoa.ac.in. This website is developed using an Open Source Content Management System Drupal. We have developed a huge Knowledge Portal with it, which links to multifarious information resources on the Internet. All online resources of the library are linked in this page. They include all INFONET Digital Library resources, Encyclopedia Britannica (Academic Edition), Indiastat.Com. We have added 216 e-books on various subjects to our collection. Huge list of online resources are also available in this page.

UGC Infonet Consortia

Goa University Library, being the first phase member of the UGC Infonet Programme, avails the IP authenticated e-journals from the Inter University Centre of the UGC namely the INFLIBNET Centre, Ahmedabad. Goa University stands at the top most ranks in the usage of these e-journals. The library also has access to the Sci-finder database.

Institutional Repository

The Goa University Library has digitized its 677 thesis and uploaded in the Digital repository created using the Open Source Software DSpace. We have started uploading postgraduate dissertations and grey literature related to the University.

Goa University Library had a major role in the development of Konkani Encyclopedia using the Konkani Vishwakosh published by the University. The entire encyclopedia volumes were digitized and copies are also available in our repository for download.

Browsing facility

Library has 40 computers attached to the Internet, which the faculty and students can use for browsing the net. It has access to the 1GB campus wide connection. The library is also Wi-Fi enabled.

Activities conducted by the library

University Library is in charge of checking research reports for Plagiarism. Students are given help in checking their research reports for Plagiarism. All our PhD thesis being submitted are also subjected to Plagiarism checking.

Goa University Library conducted a short term course in Literature Searching and Academic Writing in collaboration with the UGC Academic Staff College, Goa University. Workshops on Research Methodology and Library Automation were conducted in the Library premises.

Regular Orientation sessions were given to the fresh students of the University.

University Librarian: Dr. V. Gopakumar

4.4 Sports Activities

Student's Sports Activities

INTER COLLEGIATE CHAMPIONSHIP RESULTS 2015-2016

No	Event	Men		Women	
		Winners	Runners-Up	Winners	Runners-Up
01	Badminton	Shree Damodar, Margao	G.E.C. Farmagudi	G.V.M's, Ponda	Shree Damodar, Margao
02	Table Tennis	St. Xavier's, Mapusa	Dhempe, Miramar	Chowgule, Margao	St. Xavier's, Mapusa
03	Judo	Shree Damodar, Margao	G.C.Sanquelim	Rosary, Navelim	P.E.S. Farmagudi
04	Swimming	St. Xavier's , Mapusa	G.E.C.Farmagudi	G.M.C. Bambolim	Agnel Institute, Assagao
05	Chess	P.C.C.E. Verna	G.M.C. Bambolim	--	--
06	Weight Lifting	Don Bosco, Panaji	Dhempe, Miramar	--	--
07	Power Lifting	Kare Law, Margao	Don Bosco, Panaji	--	--
08	Best physique	V.M.Salgaocar, Miramar	St. Xavier's, Mapusa	--	--
09	Cross Country	Shree Mallikarjun, Canacona	Rosary, Navelim	Shree Mallikarjun, Canacona	Rosary, Navelim
10	Tennikoit	--	--	Shree Mallikarjun, Canacona	G.C. Sanquelin
11	Football	St. Xavier's, Mapusa	Fr. Agnel, Pilar	Don Bosco, Panaji	Carmel, Nuvem
12	Teakwondo	Rosary, Navelim	Shree Damodar, Margao	Rosary, Navelim	Chowgule, Margao
13	Tennis	PGGU, Taleigao Plateau	G.M.C. Bambolim	--	--
14	Kabaddi	Zantye, Bicholim	Shree Mallikarjun, Canacona	G.C. Sanquelim	G.C.Pernem
15	Athletics	M.E.S. Zuarinagar	G.C.Quepem	G.C.Quepem	Rosary, Navelim
16	Kho-Kho	Shree Mallikarjun, Canacona	C.E.S. Cuncolim	C.E.S. Cuncolim	G.V.M's, Ponda
17	Handball	Damodar, Margao	St. Xavier's, Mapusa	Rosary, Navelim	St. Xavier's, Mapusa
18	Hockey	St. Xavier's, Mapusa	G.C.Quepem	St. Xavier's, Mapusa	G.C.Quepem
19	Basketball	St. Xavier's, Mapusa	PGGU,Taleigao Plateau	Dempo, Cujira	Chowgule, Margao
20	Volleyball	G.C.Sanquelim	Shree Mallikarjun, Canacona	Don Bosco, Panaji	Carmel, Nuvem
21	Baseball	G.C.Khandola	Vidya Prabodhini, Porvorim	G.V.M's, Ponda	Dempo, Cujira
22	Cycling	Rosary, Navelim	G.C.Quepem	--	--
23	Cricket	S. Caculo, Mapusa	M.E.S. Zuarinagar	DM's Assagao	Dempo, Altinho

Inter University Championship Participation and Performance, 2016-17

No	Event	Dates	Zone	Venue	Performance
01	Football - women	06/10/2016	West Zone	Patan	Winners
02	Aquatics – women Genevieve A. D'Costa	27/10/ 2016	All India	Chandigarh	Silver in 3M Spring Board Diving
03	Aquatics – men Aalhad V. Chati	27/10/ 2016	All India	Chandigarh	Bronze in High Board Diving
04	Cross Country - women	28/10/2016	All India	Mangalore	Participation
05	Cross Country - men	28/10/2016	All India	Mangalore	Participation
06	Volleyball - men	28/11/2016	West Zone	Patan	Won 4 rounds (Lost in All India Qualifier)
07	Cricket -women	08/12/2016	West Zone	Bhopal	Won one round
08	Kho Kho- men	19/12/2016	West Zone	Nanded	Won two rounds
09	Football - men	07/01/2017	West Zone	Bhopal	Lost in All India Qualifier
10	Cricket - men	15/01/2017	West Zone	Bhopal	Lost in First round
11	Boxing - men	02/02/2017	All India	Jalandhar	One boxer reached Qtrs
12	Power Lifting - men	23/02/2017	All India	Chandigarh	One participant got eighth position in his category
13	Football - women	25/02/2017	All India	Chennai	Third in Group

Goa University Sports Awards, 2016-17

Rosary College, Navelim won the Best College in Sports for women and St. Xaviers College, Mapusa won the Best College in Sports for men for the year 2016-2017.

Ms. Micheal Casthana from Govt. College, Quepem was declared the Best Sportswoman and Mr. Heramb Parab from Govt. College, Margao was declared the Best Sportsman for the year 2016-17

List of Participation at Inter University 2016-17

Football (W) : Marina Rodrigues, Rodrigues Marisa T, Alisha Tavares, Ansiva Vaz, Riza Pereira, Sancia Mendes, Macrenna Dias, Keenda D'Souza, Ageema Rodrigues, Chetna Tiroadker, Vailanka D'Souza, Anushka Viegas, Michel Castanha, Mabel Mascarenhas, Leena Gaunso, Linda Calado, Rhea Noronha, Cynthia D. Lobo, Velanie Fernandes, Astrid S. Pereira

Officials: Ms. Maymol Rocky, Ms. Joslyn D'Souza, Ms. Joanita Fernandes, Mr. Michael Dias

Diving (W) : Genevieve Atala D'Costa

(M) : Aalhad V. Chati, Official : P. Narasimha

Boxing (M) : Rahul Naik, Pralhad H. Panda, Maliksab Chapparband, Abu Talib Khan and Surajkumar S. Singh

Officials : Mr. Praveen Shirodkar, Mr. Vinod Malik.

Football (M) : Gautam Dias, Klins Mendes, Shankar Gaunelu, Aayesh Tari, Suraj Hadkonkar, Nestor Dias, Devendra Pednekar, Paresch Vaigankar, Suresh Thapa, Shubham Malvankar, Saish Goltekar, Harshad Naik, Vivek Naik, Dalesh Pednekar, Aaren D'Silva, Akeraj Martins, Sylvester Dias, Vinod Kumar, Sherwin Da Cunha, Suresh Lamani

Officials: Mr. Gavin Araujo, Mr. Michael Dias, Mr. Valmiki Cardoso

Power Lifting (M) : Saurabh Raikar, Ramnath Karmalkar, Varad P. Parab, Pritesh Khorjuvekar, Abhinav Marathe, P.S. Anush, Deepak Fernandes, Lavu Govekar, Aniket Goltekar

Officials: Dr. Rajan Mathew, Mr. Andrew Gomes

Cricket (M): Shubham Dessai, Yogesh Naik, Kashyap Bakhle, Hemant Oli, Dheeraj Yadav, Atul Yadav, Ishaan Gadekar, Neeraj Yadav, Manjunath Vantamuri, Sachin Bukkam, Vijesh PrabhuDessai, Infancio Correia, Ajaykumar Kewat, Nitesh Sambhaji, Omkar Mandrekar, Rohit Naik
Officials: Mr. Pandurang Naik and Dr. Sahadev Mandrekar.

Cricket (W): Sanjula Naik, Apurva Naik Desai, Vinavi Gurav, Swati Kopardekar, Vanita Bhandari, Neha Chari, Sweety Parab, Uzma Sayad Shreya Parab, Bindia Kavlekar, Saisha Naik, Rakshanda Pilankar, Pooja Usapkar, Madhu Giri, Anjali Fatarpekar, Officials: Mr. Shishir Divkar, Ms. Surang Gawas

Kho Kho (M): Akshay Velip, Ravi Velip, Jayant Gaonkar, Amresh Velip, Savio Noronha, Vijay Sawal, Shubham Naik, Pralesh Gaonkar, Shubham Gaonkar, Dilesh Gaonkar, Sanket Gaonkar, Roshan Gaonkar. Officials: Caitano Clement, Dr. Ramlal Vernekar

Volleyball (M): Ashish Parab, Ambrose Pereira, Vishant Velip, Pratik Dessai, Akash Rane, Presley Luis, Sanket Mardolkar, Shubham Gaude, Sahil Gurav, Viraj Sawant, Swapnil Sawant, Utkarsh Dhavaskar,
Officials: Mr. Rama Dhavaskar, Mr. Avelino Pereira

Cross Country (M): Sunil Gaonkar, Pralesh Gaonkar, Yogesh Gaonkar, Akash Saroj, Suraj Gaonkar, Presily Noronha, Vithal Rathod.

Cross Country (W): Sonali S. Gaonkar, Deepa G. Velip, Archana A. Velip, Vilma Faleiro Danita Diniz
Officials: Dr. Francis Lobo, Mr. Savio Leitao, Ms. Celly Coutinho

4.5 Directorate of Students' Welfare and Cultural Affairs

The welfare activities are looked after by The Directorate of Students Welfare and Cultural Affairs.

1. Election for Executive Committee of Goa University Student Council 2016-17 was held on 26/08/2016.
2. Election for Post Graduate Students' Union for the Year 2016-2017 was held on 29/09/2016.
3. Under Students Aid Fund (2016-2017) the Financial Assistance was provided to the needy Post Graduate students to meet their educational expenses.
4. Plateaunica 2016-17 was organized on 6th, 7th & 8th March, 2017 at Silver Jubilee Hall, Goa University. The Plateaunica was organized to bring together all the Post-graduate students and to enable them to test their creativity and talents in the field of Arts, Culture and Music. Several on-stage and off-stage events were held.

Professor In-charge : Dattesh Parulekar

4.6 Career Counselling and Placement Cell (CC&PC)

Placement cell conducted various activities and placement initiatives throughout the year.

Placement fair was successfully organized on 4th May, 2017 for the benefit of UG and PG candidates. In all, 25 companies participated in the placement fair that was held at Social sciences block. A total of 735 candidates (318 PG and 417 UG) appeared for interviews with different companies during the fair. The fair was inaugurated by the Vice-chancellor Professor Varun Sahni in the presence of Prof Y V Reddy, Registrar. Campus placements were conducted by Dept of Computer science & Technology, Dept of Management Studies and Commerce Department. Departments conducted talks on career guidance and soft skills for the benefit of the students.

Co-ordinator: Ramrao Wagh, Department Computer Science

4.7 U. G. C. Human Resource Development Centre

The UGC- Human Resource Development Centre Scheme is an outcome of NPE (1986). The NPE, in its programme of action, makes a pointed reference to the crucial link between teacher motivation and quality of education. Since teachers occupy a key position in the education system, the quality, competence and character of teachers are of utmost importance. They influence the standard of education and thus contribute to national development. The UGC-HRDC was established with the objective of acting as an agency to bring about changes and

development in education. It is meant to involve itself in the improvement in the Management of Higher Education, and to bring about a closer linkage between society and Higher through meaning study and research.

The UGC-HRDC at Goa University has been conducting Orientation Courses since its establishment from February 1988.

In addition to Orientation Programme, Refresher Courses and Short Term Courses, the UGC-ASC has been regularly organizing Seminars/Conference/Interaction Programmes/Meets and other academic activities.

In keeping with the recent advances in information Technology, the UGC has given a major thrust to IT and its applications. A Computer Lab has been set up with special grants from the UGC. Participants are given basic training along with hands-on experience with Computers. They are also helped in exploiting the informative resources on Internet and in the use of other technologies. Refresher Courses participants are trained to use software packages pertaining to their particular discipline.

Till date the UGC-HRDC at Goa University has complete 95th Orientation Programmes and 185th Refresher Courses entering 3388 and 5506 participants respectively beside this, there was also short term courses. During the year 2016-17 the UGC-HRDC conducted 2 Orientation Program, 3 Refresher Courses in subject of English, Library and Information Science and Environmental Studies (ID), 1 Short Term Course Research Methodology for Science students and Training Programme for University Officers. Thus the year 2016-17 was productive, active and was very helpful for several teachers both at UG and PG level belonging to various states of the country and also University Officers. All the courses were well appreciated by the participants, resource persons and administrators.

Refresher Courses/Orientation Programs/S.T.C/others conducted in 2016-17.

Courses Conducted	PARTICIPANTS		
	Male	Female	Total
94 th Orientation Program 21-06-2016 to 18-07-2016	25	13	38
Refresher Course in English 09-08-2016 to 29-08-2016	18	14	32
STC in Research Methodology For Science students 28-11-2016 to 03-12-2016	09	20	29
95 th Orientation Programme 05-01-2017 to 01-02-2017	25	08	33
Refresher Courses in Environmental Studies (ID)	18	14	32
Training Programme for University Officers 07-02-2017 to 06-03-2017	06	05	11

I/C Director: UGC – HRDC : Prof. I. K. Pai

4.8 Health Centre

The Health Centre is staffed by one Medical Officer and one Staff Nurse. It is open from 9.30 am to 5.45 pm on all working days.

The services provided include:

1. Emergency treatment and first aid.
2. Out patient examination and treatment.
3. Centre for DOTS (T. B. Treatment).
4. Health Certification.
5. Disease surveillance.
6. Medical coverage for sports activities.
7. Health Education.
8. Counselling.

Medical Officer: Dr.Patricia Sequeira

4.9 College Development Council

1. I] PROPOSALS FORWARDED TO UGC

FACULTY IMPROVEMENT PROGRAMME

Sr. No.	Name of Teacher	College
1.	Mrs. Sanchiliana Faria, Associate Professor	M.E.S. College of Arts & Commerce, Zuarinagar, Goa – 403726.
2.	Mr. Helic Mario Barretto, Associate Professor	Rosary College of Commerce & Arts, Navelim, Salcete, Goa - 403 707
3.	Shri Bipin N. Bandekar, Associate Professor	Narayan Zantye College of Commerce, Bicholim, Goa - 403529
4.	Mrs Anjali Sajilal, Associate Professor	V.V.M.'s Shree Damodar College of Commerce & Economics, Comba, Margao, Goa-403 601.
5.	Mrs Amrita Dinga, Associate Professor	Sant Sohrobanath Ambiye Government College of Arts & Commerce, Virnoda, Pernem, Goa-403512.
6.	Ms. Felcy Remy Coelho	S.S.Dempo College of Commerce and Economics Cujira Educational Complex, Opp. Goa Medical College Bambolim, Cujira, St. Cruz, Goa-403005

PROPOSAL FOR ORGANIZING National/International Seminar/Conference/Workshop.

Sr. No.	College	Topic
1.	M.E.S. College of Arts & Commerce, Zuarinagar, Goa – 403726	National level Seminar on “Social Sector in India: Issues and Challenges”
2.	St. Xavier's College, Mapusa, Goa – 403507.	Seminar on “New Media: Issues & Impact on Society”
3.	Dnyanprassarak Mandal's College and Research Centre, Assagao, Bardez, Goa -403507.	National Level Seminar on “ Subaltern Reflections in Indian Literatures in English and Translation ”

Additional Grants/Innovative Programme

Sr. No.	College
1.	Dnyan Prabodhini Mandal's Shree Mallikarjun College of Arts & Commerce, Delem, Canacona, Goa.
2.	S.S.Dempo College of Commerce and Economics Cujira Educational Complex, Opp. Goa Medical College Bambolim, Cujira, St. Cruz, Goa - 403005

TRAVEL GRANT TO COLLEGE TEACHERS FOR PRESENTING PAPERS IN INTERNATIONAL CONFERENCE(S)

1.	Govt. College of Arts, Science and Commerce, Quepem, Goa.	Dr. Sushila S. Mendis
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Coordinator: Dr. Dilip B. Arolkar

4.10 Hostels

Women's Hostel:

Goa University provides hostel facility for women students on the University campus. The Post Graduate, Research Scholars, M.Phil and Ph.D. students enrolled under PG Departments of Goa University are provided accommodation on the campus across all categories of Reservation/Non-Reservation as per UGC guidelines. The Women's Hostel has 170 rooms with a capacity to accommodate 300 students. For the current academic year, a total of 280 students have been accommodated in the Women's Hostel.

Warden : Prof. Savita Kerkar, Prof. Aparajitha Gangopadhyay

Men's Hostel:

Goa University provides hostel facility for men students on the University campus. The Post Graduate, Research Scholars, M.Phil and Ph.D. students enrolled under PG Departments of Goa University are provided accommodation on the campus across all categories of Reservation/Non-Reservation as per UGC guidelines. The Men's Hostel has 110 rooms with a capacity to accommodate 190 students. For the current academic year, a total of 163 students have been accommodated in the Men's Hostel.

Warden : Pranay P. Morajkar

4.11 Internal Quality Assurance Cell (IQAC)

During this academic year, IQAC continued to function in the areas such as

- Information gathering, monitoring and dissemination;
- Participation in the national and international ranking survey agencies and also by other agencies;
- Generating awareness on quality consciousness within University;
- Outreach and publications. Specific activities that were undertaken were as follows:

Information gathering, monitoring and dissemination

The Cell continually monitor the publications of the faculty and add it to the institutional repository that is open on the Internet. This makes the dataset of publications most up-to-date for internal consumption as well as provides wide access to the contributions of the University adding to the visibility.

The Cell also continued to collect departmental and individual level information from the self appraisal reports submitted by the faculty members at the end of academic year. This has helped in building other databases such as events organized in various departments; sponsored projects; presentation of papers at conferences, etc.; students joined in doctoral programmes, etc. From the information so gathered, IQAC assists the Annual Report committee to generate departmental reports and makes it available on the website of the University.

Participation in surveys

During the academic year of the report, IQAC provided information to different ranking agencies such as: NIRF, India Today, The Week and QS BRICS University Rankings. This has helped University in ranking at significant levels nationally and internationally. IQAC also responded to other questionnaires those of: Academia-Industry survey,

Association of Indian Universities, National Centre for Promotion of Employment for Disabled People (NCPEDP), Survey on Framework of University-Industry Linkages in Research (PHD survey), National Survey on Resources Devoted to Scientific and Technological (S&T) Activities 2015-16 (SnT Survey), University Grants Commission, (Pay Review Committee, 2016).

Generating awareness on quality consciousness within University

The Faculty and Officer at IQAC participated in interaction with the non-faculty members (Asst. Registrar level) of the University organized by HRDC as well as delivered lectures at Orientation programmes and Refresher courses organized by UGC-HRDC at Goa University on quality issues. A paper was also presented at the Conference on Benchmarking Procedures and Practices for Quality Enhancement in Higher Education at Christ University, Bengaluru during 22-24 November 2016 on "Assessing Quality in Higher Education Institutions in India: An Alternate View"

Publications

Enriching the experience from the activities that were undertaken following articles were also published in the media that attracted attention of the readers.

- Mukhopadhyay, P.; Tapaswi, M.P.; Sudarsan, P.K. Government's Ranking Framework for Higher Education Is Biased Towards Larger Institutions. The Wire. 25 May 2017. <https://thewire.in/139651/nirf-framework-biased-favour-large-heis/>
- Tapaswi, M.P. उच्चशिक्षणाचा खेळखंडोबा [Mess in Higher Education: Critique on the UGC Journals List]. Loksatta Daily (Express Group). In Marathi. 15 June 2017. <https://www.loksatta.com/vishesh-news/university-grants-commission-marathi-articles-marathi-language-indian-philosophy-1492992/>
Prof., Pranab Mukopadhyay, **Director IQAC**

4.12 Swachh Bharat Abhiyan Activities

The Goa University has appointed a working committee comprising of twelve members in order to implement “Swachh Barat, Swachh Goa” activities on the Goa University Campus. This working committee has taken various initiatives to achieve the goals as per vision of our Honourable Chancellor and Governor of Goa.

At the onset, as per recommendations of the above working committee the Goa University procured dustbins in various sizes to be placed at all strategic locations on the campus. These dustbins are regularly cleared by the staff of the Estate Administration so as to keep the areas free from litter.

The Goa University Campus has been declared a plastic free zone for which the collection and disposal of plastic waste is of outmost importance. In view of the above, as per recommendations of the committee the University has constructed wire mesh enclosures 3 mtrs. X 3 mtrs. Size built on concrete platform and open to sky. These enclosures have been provided with lockable gates and with an easy access for the collection vehicle.



It was also proposed by the above working committee that all correspondences may indicate the desired logo and the Goa University Library has volunteered in designing of the same.

Cleaning programmes in the Goa University Campus are being undertaken by the various departments / sections under guidance of the respective heads. The respective departments ensure that after cleaning the material is stored in suitable garbage disposal bags which are then collected by the garbage disposal vehicle. Care is being taken by the respective departments that this stored garbage is not littered by pests / dogs. The expenses incurred during the activity by the concerned HOD / Sectional Head is being made under their own budgetary provision.

As per directives received from the Raj Bhawan, The University has observed Swachhta Pakhwada during the specified period in the month of September and November. During these periods, the students and the staff have been sensitized about the importance of cleanliness and sanitation. Various programmes were held in order to achieve the goals. As a part of this programme, HOD from the department of Biotechnology Dr. Savita Kerkar presented a motivational lecture on the importance of “Swachhta” and encourage everyone to inculcate the spirit of cleanliness in their lives. A special emphasis was given on ways of keeping laboratories tidy. Subsequently all the students, research scholars and the staff members participated in cleaning of the laboratories, classrooms, Office, Library, corridors, auditorium etc. The students and the Teachers cleaned the entire premises with vigour & enthusiasm and the entire waste was suitably disposed off. A programme titled “wealth from waste” was also organised for the students where in art work created from unwanted junk was displayed.



The Department of Konkani, Goa University organized Swach Bharat Abhiyan campaign in Goa University campus. Forty Seven students and three staff members of Department of Konkani took part in this campaign with full enthusiasm. The areas around the Faculty Blocks, Canteens, Guest Houses, Library, Hostels, Shopping Centre, Administrative Building, Examination Building, Jubilee Hall and Health Centre were cleaned. The students collected a lot of plastic wrappers, polythene bags, plastic bottles, waste paper, paper plates, and gathered the same outside the Administrative building of Goa University. The faculties of Department of Konkani, staff & all the students took active and wholesome part in this campaign.

II. Swachhatam Mahavidyalaya Samman

Success of any learning programme offered by any academic institution depends on how best and appropriately the entire environment of the academic institution is maintained and managed. The more the students/teachers feel comfortable, the more will be the learning/teaching outcome. Comfort includes providing a healthy environment in and around the academic institution. The facilities management system of any academic institution must revolve around providing complete comfort to the students, to the teaching community and to the administrative supporting staff, being the three important stakeholders considered as crucial for the very success of any academic institution, in fact the three layers of the pyramid of any academic institution.

Intune with this very basic foundation of providing healthy environment to all the three stakeholders, **Her Excellency Mridula Sinha**, Governor of Goa has come up with a new scheme of awarding **Swachhatam Mahavidyalaya Samman** (for the first time in India) under the **Swachh Bharat Mission** to encourage, motivate, and institutionalize the concept of cleanliness among the students, teaching community, and administrative supporting staff from undergraduate level. At this stage, the student community can be shaped to be good citizens with a mind-set to make the concept of 'Clean and Green India' a reality. The award will definitely motivate the institutions that are really practicing the concept of cleanliness from inception, and can be a bench mark to other institutions to emulate. The overall aspect considered while evaluating the institutions is the existing practices followed to maintain good and

efficient environment which positively affects the health and learning of the student/teaching community. The practice of cleanliness must be on a regular and continuous basis as the concept of cleanliness leads to overall improvement of the credibility of academic institutions.

In order to identify the best institution in the State of Goa having a planned and well managed system of cleanliness, a Committee was constituted and the Committee essentially employed **ten criteria** required to be followed as per the **Swachh Bharat Mission**.

These aspects include:

- 1. Stop littering and dispose garbage properly:**
[Garbage disposal practice and maintenance of the premises]
- 2. Sort your garbage**
[Garbage segregation practice/Biodegradable v/s non-biodegradable]
- 3. Maintain Hygiene**
[Overall ambiance, class rooms, office, toilets, canteen, *etc.*]
- 4. Re-Use and Re-cycle**
[How the 2nd aspect is processed further]
- 5. Say NO to Plastic**
[Ability to avoid use of plastics – connected to 2nd and 4th aspects]
- 6. Consume what you need**
[Waste minimization practice – connected to 2nd, 4th and 5th aspects]
- 7. Water care**
[Minimal usage, recycling and rainwater harvesting practices]
- 8. Reduce your carbon footprints**
[Facilities usage practices – AC, vehicles, *etc.* leading to Greenhouse Effect]
- 9. Check Air Pollution**
[Waste and garbage disposal practices – connected to 2nd, 4th and 5th aspects]
- 10. Environmental education and tree plantation**
[Afforestation and Reforestation practices]

These ten aspects were categorised in to five sections, viz.,

- Section I – Overall Ambience consists of 15 statements of 4 points each (total 60 points),
- Section II – Overall Maintenance & Management consists of 15 statements of 2 points each (total 30 points),
- Section III – Overall Water Management consists of 10 statements of 4 points each (total 40 points),
- Section IV – Overall Management of Environment consists 10 statements of 2 points each (total 20 points) and
- Section V – Overall Result of Environment Education consists of 5 statements of 4 points each (total 20 points).

The total points allotted comes to 170. Each member scored the institutions individually and then the average score is obtained. This is finally converted in to weighted average score by considering additional 10 criteria, if any institution fulfils all the 10 criteria, 100% weightage is given. The overall Weighted Average Score (WAS) was computed and a report was prepared. This exercise of evaluation and assessment was carried out in with complete objectivity.

Basis of Classifying Academic Institutions

#	Category (% out of 170 points)	Weighted Average Score (WAS)	Grade	Remarks *
1	Excellent (above 80%)	136 >	A+	Excellent
2	Good (70% - 80%)	119-135	A	Good
3	Satisfactory (50% - 70%)	85-118	B+	Satisfactory
4	Unsatisfactory (40% - 50%)	68-84	B	Unsatisfactory
5	Poor (20% - 40%)	35-67	C	Poor
6	Very Poor (10% - 20%)	18-34	D	Very Poor
7	Extremely Poor (below 10%)	17<	E	Extremely Poor

* The condition existing in the institution with respect to **Health / Safety / Security of people**.

The present report is classified into three categories as follows:

- **Sarvaswachh Academic Institution in Goa**
[All 54 institutions]
- **Sarvaswachh Academic Institution in Goa**
[Professional and Non-professional Institutions separately]
- **Sarvaswachh Academic Institution in Goa**
[Private and Government Institutions separately]

This classification is aimed to assist the low ranked institutions to upgrade their existing facilities *w.r.t.* cleanliness and security in their campus and improve their ranking in the near future.

V M Salgaocar Institute of International Hospitality Education scored the highest Weighted Average Score during the year 2016-2017, i.e., 143 out of possible 170 with 100% weightage.

Some of the suggestions by the Committee were as follows:

- To motivate the institutions in improving the standard, advised to give Certificates of Appreciation as well as a Cash Prize to the top three (3) institutions among the 54 institutions.
- The result of the inspection **MUST** form part of the conditions to be verified by the Affiliation Enquiry Committee for the purpose of ensuring the health, safety, and security of the students as well as teachers and administrative supporting staff.
- If this practice of inspection is going to be continued on annual basis, all institutions **MUST** be included for inspection, and surprise inspection **MUST** be carried out.
- It is advisable to constitute the committee with youngsters so that inspecting the entire institutions (some of them are 3-4 storied buildings) becomes easy without much difficulty.
- It is advisable to provide honorarium to the committee members as it is similar to any Affiliation Enquiry Committee visit.



The Committee Members

Dr. Subhash K. B.

Professor and Dean, Faculty of Commerce and Management, Goa University.

Dr. Rodrigues Bernard F.

Professor, Department of Botany, Goa University.

Mrs. Tadkodkar Priyadarshini S.

Associate Professor, Department of Konkani, Goa University

Dr. Dilip. B. Arolkar

Principal, V.N.S. Bandekar College, Mapusa, Goa.

PART 5

AFFILIATED COLLEGES & RECOGNISED INSTITUTIONS

General Education

1. Dhempe College of Arts & Science, Miramar, Panaji
2. Smt. Parvatibai Chowgule College of Arts and Science, Margao
3. St. Xavier's College of Arts and Science, Mapusa
4. S. S. Dempo College of Commerce & Economics, Altinho, Panaji
5. Carmel College for Women, Nuvem, Salcete
6. M. E. S's College of Arts & Commerce, Zuarinagar
7. Shree Damodar College of Commerce & Economics, Margao
8. D M's Anand R. Sirsat College of Arts, Sou. Sheela Premanand Vaidya College of Science and V. N. S. Bandekar College of Commerce, Assagao
9. Goa Vidyaprasarak Mandal's College of Commerce & Economics, Ponda
10. P. E. S.'s Shri Ravi S. Naik College of Arts and Science, Ponda
11. Cuncolim Education Society's College of Arts and Commerce, Cuncolim
12. Government College of Arts, Science and Commerce, Sanquelim
13. Goa College of Home Science, Campal, Panaji
14. Government College of Arts, Science and Commerce, Khandola, Marcela
15. Government College of Arts, Science and Commerce, Quepem
16. Rosary College of Arts & Commerce, Navelim
17. Saraswat Vidyalaya Sridora Caculo College of Commerce and Management Studies, Mapusa
18. Fr. Agnel College of Arts and Commerce, Pilar
19. Government College of Arts and Commerce, Pernem
20. Shree Mallikarjun College of Arts and Commerce, Canacona
21. Zantye Brothers' Educational Foundation's College of Commerce, Bicholim
22. Govt. College of Commerce, Borda, Margao
23. Vikas Parishad, Mandrem College of Commerce, Madhla Maj, Pernem
24. Swami Vivekanand Vidya Prasarak Mandal's College of Commerce, Bori, Ponda
25. Shree Sateri Pissani E. S. Shri Gopal Gaonkar Memorial Goa Multi-Faculty College, Dharbandora.

Professional

26. GSS's Don Bosco College, Panaji
27. Goa College of Pharmacy, Panaji
28. Goa Engineering College, Farmagudi, Goa
29. Nirmala Institute of Education, Altinho, Panaji
30. Goa College of Fine Art, Altinho, Panaji
31. Devi Sharvani Education Society's . V. M. Salgaocar College of Law, Miramar, Panaji
32. V. V. M. Govind Ramnath Kare College of Law, Margao
33. Goa Dental College, Bambolim
34. College of Architecture, Altinho, Panaji
35. Goa College of Music, Altinho, Panaji
36. Institute of Nursing Education, Bambolim

37. Goa Vidya Prasarak Mandal's College of Education, Ponda
38. Bhartiya Sanskriti Prabodhini's Gomantak Ayurveda Mahavidyalaya and Research Centre, Shiroda
39. Goa Medical College, Bambolim
40. Shivgram Education Society's Homoeopathic College and Hospital, Shiroda
41. National Hydrographic School, Vasco-da-Gama
42. Padre Conceicao College of Engineering, Verna
43. Vidya Vikas Mandal's Institute of Management, Training and Research, Margao
44. Shree Rayeshwar Institute of Engineering & Information Technology, Shiroda
45. P. E. S. College of Education, Ponda
46. Victor Medical & Research Foundation's College of Nursing, Margao
47. Vrundavan Institute of Nursing Education, Porvorim
48. Institute of Psychiatry & Human Behaviour, Bambolim
49. P. E. S's Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda
50. Don Bosco College of Engineering, Fatorda, Margao
51. Goa College of Hospitality and Culinary Education, Cida de Goa, Vaiginim Beach
52. Agnel Institute of Technology and Design, Assegao Bardez
53. Vidya Prabodhini College of Commerce Education, Computer and Management, Porvorim.
54. V.M. Salgaoncar Institute of International Hospitality Education
55. Harmal P S Mandal's Ganapat Parsekar College of Education

5A. GENERAL EDUCATION COLLEGES

5.1 DCT Dhempe College of Arts and Science, Miramar

Year of Establishment: June 1962

College Address: Miramar, Panaji, Goa-403001

Principal's Details:

Name: Dr. Vrinda P. S. Borker

Contact no.: 9822129669

Email: principal@dhempecollege.edu.in

College website: www.dhempecollege.edu.in

The NAAC accreditation status :

Whether accredited	:	Yes
Score and Grade	:	'A' Grade (3.20)
Round of accreditation	:	3 rd cycle

Courses offered & Sanctioned and filled strength:

- B. Sc.: (grant-in-aid) -409
- B. A.: (grant-in-aid) -421
- B.Sc. Biotechnology (Self Financing Programme):84

Faculty strength: Teaching staff : 45

Achievements of the College:

- Reaccredited by NAAC achieved 'A' Grade with 3.20 as C.G.P.A
- ISO 9001:2008
- Green certification : GSCP – 01-2010 - Green Standard Certification Programme

Sponsored Research Projects sanctioned / Completed during June 2016 to May 2017.

Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
Dr.Roshid Rodrigues	Approaches to Environmental Ethics	12-03-2015 (2 years)	UGC	1,35,000	Ongoing
Ms.V. Prabhugaonker	Education in Goa-1961-2000:Issues & Policies (A Historical Study)	12-03-2015 (2 years)	UGC	1,45,000	Ongoing
Ms.Suchana Amonkar	Effect of Manganese on various tissues of Paphia malabarica: A biochemical study on Metabolites & Metabolic enzymes.	12-03-2015 (2 years)	UGC	4,30,000	Ongoing
Dr. Vaishali Naik	Konkani evam Rajasthani Lokgeeto mei Sanskrutik Darshan:Ek Tulanatmak Abhayan	12-03-2015 (2 years)	UGC	2, 30,000	Ongoing
Dr. Swati Pawar	Study of Quantum Phase Transitions in Bose Hubbard Chains	June 2015 (2 years)	UGC	2,75,000	Sanctioned
Ms. Annie Rajan	Study of Acceptance of Higher Education in the Northern coastal tourism in Goa	June 2015 (2 years)	UGC	2,00,000	Sanctioned
Ms. Shilpa Deodhar	To study effect of medium of learning in e-learning software	June 2015 (2 years)	UGC	2,87,000	Sanctioned

Conferences/workshops organized:

State Level : 02
National Level: 01

Publications:

Publications	International	Indian	Total
Research papers in Journals	01	02	03
Research papers in conference	01	02	03
Total	02	04	06

Papers presented in conferences/Seminars/Workshops:

Within India: 11 Within Goa: 2

Invited Lectures given by the faculty.

Within India: 03 Within Goa: 13

No. of teachers who obtained research degree during the year:
Ph.D.:02

Awards:

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award. (Only recognized and reputed agencies)
Dr.Vrinda P. S. Borker	The Best Educationist Award	Institute of Education & Management, New Delhi
Dr.Vrinda P. S. Borker	National MahilaRatan Gold Medal Award	Indian Solidarity Council, New Delhi.
Dr.Ketan Govekar	Annual Case Study Competition	Indian Institute of Public Administration(IIPA) New Delhi
Mr. Prajal Sakhardande	State Level Business Goa Award	Business Goa Magazine

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	5	7	3	-	2	-	17
National	1	2	-	-	-	-	03
Total	06	09	03	-	02	-	20

Any other special achievements of faculty:

Dr. Ketan Govekar and students Mr. PrathikKenaudekar and Mr. AdarshGawas went on ORV SagarKanya in Indian Ocean and Bay of Bengal to understand Tsunami Buoy Deployment Operations from 9th May to 6th June 2016 in association with NCAOR.

5.2 Smt. Parvatibai Chowgule College of Arts and Science, Margao

Year of Establishment: June 1962

College Address: Gogol, Margao, Post – Fatorda, Goa - 403602

Principal's Details:

Name: Dr. Nandkumar N. Sawant

Contact No: (0832) 2722222

Email:principal@chowgules.ac.in

College website:www.chowgules.ac.in

Vision and Mission Statement:

To be among the global leaders in imparting relevant education of highest standards in a disciplined and conducive environment.

To continue to be pioneers of change using cutting edge educational inputs and the technology, providing equal opportunities to all and inculcating social and moral values that will transform the society and the nation at large.

Courses offered and Sanctioned Strength:

- B. Sc. - sanctioned-570 & filled-518
- B. Sc (Biotechnology) - sanctioned-70 & filled-60
- B. Sc. (Geography) - sanctioned-20 & filled-01
- B. Sc. (Biochemistry) - sanctioned-20 & filled-07

- B. A. - sanctioned-540 & filled-432
- B. A. (Portuguese)- sanctioned-60 & filled-00
- B. A. (Sociology)- sanctioned-20 & filled-03
- M. A. (Geography) - sanctioned-40 & filled-38
- M. A. (Economics) –sanctioned-40 & filled-18
- M. A. (Hindi) –sanctioned-40 & filled-24
- M. Sc. (Information Technology) - sanctioned-40 & filled-33
- M. Sc. (Analytical Chemistry) - sanctioned-40 & filled-24
- Post Graduate Diploma in Computer Applications – sanctioned-30 & filled-23
- Post Graduate Diploma in Geoinformatics– sanctioned-20 & filled-24
- Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques– sanctioned-15 & filled-01

Any new course(s) started: 1. B.Sc. in Biochemistry
2. M.A. in Child Psychology & Child Development

Faculty Strength: 65.

Achievements of the College:

- The College was awarded A+ Grade under “Swachhatam Mahavidyalaya Samman” by Goa University, for the academic year 2016-17.
- The Department of Botany of the college is recognized as Research Centre by Goa University.
- The college has signed Memorandum of Understanding with the following institutions :

At International level:

- Waseda University, Japan to encourage visits by faculty from one institution to the other for the purpose of engaging in research or other educational activities.
- Kansai University, Japan to promote exchange programs based on respective academic and educational needs.

Sponsored Research Projects sanctioned, ongoing and completed during June 2015 and May 2016.

Major Research Projects

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
1	Dr. N. N. Sawant	Goa : Socio-Cultural Transformation and Impact on the society	1/07/2012 (1/07/2012 to 1/07/2015)	UGC	5.11	Completed
2	Dr. Nandini Vaz Fernandes	Heavy metal bioaccumulation and genotoxicity studies of fishes exposed to mining effluents in Goa.	17/06/2014 (17/6/2014 to 17/6/2017)	(SERB) DST	11.50	Ongoing
3	Dr. Sanjay S Gaikwad	Assessment of Carbon Stock and Carbon Sequestration Scenario through Land Use Change in the State of Goa.	1/07/2015 1/7/2015 to (1/7/2018)	UGC	9.10	Ongoing

Sponsored Consultancy Work undertaken: (sanctioned / completed / ongoing)

Name of faculty member	Name of consultancy	Name of the Sponsor	Duration of consultancy	Amount
Dr. Nandkumar Sawant Dr. Nandini Vaz Fernandes Dr. Uma Masur Dr. Sanjay Gaikwad	Preparation of People's Biodiversity Registers (PBRs), Chandor & Curtorim	Goa State Biodiversity Board, Saligao, Goa	1 year	Rs. 1.4 lakhs

Conferences/Workshops Organized:

State Level : 10 National Level : 03

Details of International Conferences / Workshops organized:

Title of the Conference	Funding Agency	Amount sanctioned	Date
Changing Geographies of Cultural Landscape (India and Sri Lanka)	Chowgule Management	Rs. 50,000/-	18 th March 2017
Content and Language Integrated Learning, English for Academic Purposes and English for Specific Purposes	Chowgule Management	Rs. 76934/-	8 th & 9 th March 2017

Publications : (Only publications in ISSN/ ISBN journals/ books)

Publications	International	Indian	Total
Research papers in journals	20	05	25
Research papers in Edited Books	-	13	13
Research papers in Conference Proceedings	02	02	04
Books	-	06	06
Total	22	26	48

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
03	16	17

Invited Lectures given by the Faculty:

Abroad	Within India	Within Goa
-	15	15

No. of teachers who obtained research degree during the year:

Ph.D.:01

Sports Achievements :

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter Collegiate	15	32	8	12	3	6	76
State	8	10	12	1	1	2	34
National	-	-	1	1	1	2	5
Total	23	42	21	14	5	10	115

Any other Special Achievements of faculty and students (Maximum of 4 major achievements from one College / Institution)

- Ms. Aarati Ashok Joshi of S.Y.B.A. has been selected by Waseda University, Tokyo, Japan under the International Exchange Programme to pursue a one year academic course in Spring 2017. She will be studying a one year intensive Diploma course in Japanese Language offered by its Centre for Japanese Language.
- Ms. Fauzia Bi Shaikh of F.Y.B.Sc. won the Marubeni India Meritorious Scholarship 2017. Marubeni India Private Limited provides Meritorious Scholarship for the needy students for pursuing higher education and achieving their dreams. Marubeni India offers each selected student scholarship worth Rs.40,000/-
- Dr. Nandkumar N. Sawant, Dr. Uma Masur, Dr. Nandini Vaz Fernandes and Dr. Sanjay Gaikwad were selected as members of 'Technical Support Group' (TSG) by 'Goa State Biodiversity Board' to prepare 'People's Biodiversity Register' (PBR) for 'Biodiversity Management Committee' (BMC) of village panchayats.
- Dr. Nandkumar N. Sawant was appointed as an expert member of Goa Coastal Zone by the Management Authority of Coastal Regulation Zone, Government of Goa, Goa.

5.3 St. Xavier's College of Arts, Science and Commerce, Mapusa

Year of Establishment: 1963.

College Address: P.O. Box No. 32, Mapusa, Bardez Goa, 403 507

Principal's Details:

Name: Dr. (Fr.) Jeronimo D'Silva

Contact No. 91 (0832) 2262356

Email: xavierscollege@bsnl.in

Website: www.xavierscollege-goa.com

Vision and Mission Statement:

Vision: "Formation for Transformation"

Mission: "To provide balanced all round education to young men and women to be disciplined citizens, who will display a high intellectual caliber, together with emotional balance and social commitment and particularly, at helping Catholic Youth to be committed followers of Christ".

Courses offered and sanctioned strength:

- B. A. - 180, B. Sc. - 180, B. Com. - 180,
- B. A. (Mass Communication & Videography) (Self-Financed) - 75,
- B. A. Journalism (Self-Financed) - 75,
- B. Sc. Biotechnology (Self-Financed) - 90,
- B. C. A. (Self-Financed) - 120,
- B. B. A. (Self-Financed) - 90, B. B. A. (T&T) (Self-Financed) - 90,
- M. A. (Psychology) (Self-Financed) - 60,
- M. Com. (Self-Financed) - 80,
- M. Sc. (Physical Chemistry) (Self-Financed) - 40.

Faculty Strength: 90.

Achievements of the College:

- GENO Best College Sports Award (Men), Sports Journalist Association of Goa.
- Best College for Sports Award (Men), Goa University.

Sponsored Research Projects sanctioned between June 2016 and May 2017.

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
1.	Shefali Kamat (Philosophy)	Women – Through Lens of Religion	February 2015	UGC	2,10,000	Completed
2.	Dr. Hari K. Kadam (Chemistry)	Synthesis of Novel Indolo-pyranocoumarins, Indolocar-bazolocoumarins and Cytosinocoumarins and Study of their Antioxidant and Antiglycosidase activity	May 2016	SERB	28,95,000	Ongoing (2016-19)
3.	Dr. Vinod K. Mandrekar (Chemistry)	Synthesis and Organocatalytic Reactions of Sulfated Superacids	March 2016	UGC	3,55,000	Ongoing (2016-18)
4.	Dr. Reshma Raut Dessai (Physics)	Mesoscopic Structural Investigation on Magnetic Porous Material by SANS	January 2016	UGC	90,000	Ongoing (2016-18)
5.	Bosco Lawrence (Physics)	Structural Studies of Magnetic Field Sensitive Gels using Neutron Diffraction and SANS	January 2016	UGC	90,000	Ongoing

Conference/Workshops organized:

State Level: 07

National Level: 03

Papers presented in Conferences/ Seminars/Workshops:

Abroad:07

Within India:17

Within Goa:08

No. of teachers who obtained Research Degree during the year:

P h.D.:03

Awards:

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award. (Only recognized and reputed agencies)
Janesline Fernandes	Best Educationist Award	International Business Council, New Delhi

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	10	03	06	06	05	02	32
Inter-University	01	01	-	01	-	-	03
National	01	01	-	-	-	-	02
Total	12	05	06	07	05	02	37

Any other Special Achievements of faculty and students:

- Mr. Netwin Antao (TYBA) and Ms. Riha Shinde (TYBCom) attended the Youth Exchange Programme in China.

5. 4 DCTs S. S. Dempo College of Commerce & Economics.

Year of Establishment: June 1966

College Address: Integrated Educational Complex, Cujira, Bambolim, Goa 403 202

Principal's Details:

Name : Dr. Radhika S. Nayak

Contact No. : 0832-2976646, 2976649, 2976647 (P)

Email : principal@dempocollege.edu.in, Office@dempocollege.edu.in

College Website: www.dempocollege.edu.in

Vision and Mission Statement:

Vision: "Commerce in the Service of Society"

Mission: "To nurture healthy, reliable and creative citizens whose social awareness will vitalize the community, both locally and globally".

Courses offered and sanctioned strength: B. Com. – sanctioned- 840; Filled-835

- M. Com. - (self financed) - sanctioned -80; Filled-57
- B. B. A. (self-financed) - sanctioned -139; Filled-144
- PGDBA-Event Management (self-financed) – sanctioned - 60; Filled-33
- M.A. –Travel & Heritage Management –sanctioned -80; Filled-29

Faculty strength: 25.

Achievements of the college:

- Reaccredited by NAAC at A Grade (with CGPA of 3.30 on seven point scale)

Conference/Workshops Organized:

State level : 01

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
1.	Nutan Nayak	Study of Spectra Energy of signed graphs	2015 (2 years)	UGC	180000/-	completed

Publications:

Publications	International	Indian	Total
Research papers in journals	08	04	12
Research papers in Conference Proceedings	07	-	07
Books	-	03	03
Total	15	07	22

Papers presented in Conferences/Seminars/ Workshops:

within India: 14

within Goa: 03

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	-	2	1	3	4	1	11
State	-	-	-	1	-	-	01
Inter-University	-	-	-	1	-	-	01
National	-	-	-	3	1	1	05
Total	-	2	1	8	5	2	18

Details of the Sports Achievements at National and International level:

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer
Kedar Zambaulikar Chitra Kotkeni	Tennis Ball Cricket (1 st Place)	4 th West Zone TB Cricket Championship 26 th – 28 th June 2016	TBC Association of Goa
Sambhu Pilainkar Chitra Kotkeni	Tennis Ball Cricket (1 st Place)	24 th Junior National TBC Championship, 9 th – 11 th December 2016	TBC Federation of India TBC Association of Haryana
Chitra Kotkeni	Futsal (1 st Place)	1 st Senior national Futsal Championship 27-31 Dec 2016	Futsal Association of Rajasthan
Chitra Kotkeni	Tennis Ball Cricket (3 rd Place)	27 th Senior National TBC championship 10 th – 13 th Feb 2017	J & K Tennis Ball Cricket Association
Akeraj Martins	Football (2 nd Place)	National Santosh Trophy Football 12 th – 26 th March 2017	All India Football Federation

5.5 Carmel College of Arts, Science and Commerce for Women, Nuvem

Year of Establishment: 1964

College Address: Carmel College of Arts Science & Commerce
For Women, Nuvem, Salcete - Goa.

Principal's Details:

Name: Dr. (Sr.) M. Aradhana A. C.

Contact No: 08322790959

Email: acaradhana@yahoo.co.uk

College website: www.carmelcollegegoa.org

Vision and Mission Statement:

Vision: “Holistic Development of Women through Education”. The Education imparted by the Apostolic Carmel is geared towards the total development of women by instilling in them Christian values and forming them into responsible citizens, equipped to work in tandem with a rapidly changing and developing society.

Mission:

To work for the faith formation of our Catholic students

To have value based and quality oriented learning

To prepare women to play a dynamic role in a multi – cultural global Society

To inculcate in the students a sense of integrity and service and mould them into leaders

To bring first generation rural learners into higher education to inculcate in them the strength to demand their due from family and society

Courses offered and sanctioned strength: B.A., B.Sc., and B.Com, M.A. in Counseling Psychology, M.Com. , M.Sc in Food Technology

Faculty Strength: Under-graduate : 58 Post-graduate : 10

Achievements of the College: The College is certified under ISO-9001-2015 certification on 20/03/2017

Sponsored Research Project sanctioned, ongoing and completed between June 2015 and May 2016:

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
1.	Dr. Subhadra Devi Gadi	Study of the Mangrove carbon Pool in the major Riverine Stretch of Goa.	01/07/2015 3 years	UGC	10,19,400/-	ongoing

Conference/Workshop organized:

National level:01

State level:02

Details of International Conferences/workshops organized:

An International Conference on Agriculture, Science, Technology, Management and Social Science and National Workshop on Soft Computing, Modeling and Medical Sciences and a Symposia on Women Empowerment was held from November 10th to 12th at Carmel College . This was organized by the Forum for Advanced Training in Education and Research (FATER) in collaboration with our college.

Publications:

Publications	International	Indian	Total
Research papers in Journals	02	03	05
Books	-	03	03
Total	02	06	08

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
01	02	02

No. of Teachers who obtained research degree during the year:**Ph.D.:01****Awards/Honours:**

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award. (Only recognized and reputed agencies)
Dr. Manoj R. Borkar	● Global Teacher Role Model Award	MVLA Trust
	● RashtriyaShikshaRatanPuraskar and Golden Peacock Lifetime achievement award	MVLA Trust
	● Dr. APJ Abdul Kalam Excellence National Award	The India International Friendship Society(IIFS)

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-Collegiate	-	-	-	02	-	-	02
Total	-	-	-	02	-	-	02

5.6 M. E. S. College of Arts & Commerce, Zuarinagar**Year of Establishment:** 1972.**College Address:** Zuarinagar-Goa, 403726**Principal's Details:****Name:** Dr. R. B. Patil**Contact No:** 2556010**Email:** mescollege1@rediffmail.com, mescollege1@gmail.com, prin.mes@unigoa.ac.in**Website:** www.mescollege.org

The NAAC accreditation Status

Whether accredited: Accredited by NAAC

Score and Grade: B Grade With 2.47 CGPA

Round of accreditation: 3rd cycle

Vision & Mission Statement:

Vision: Higher Education will play the most critical part in accelerating the pace of all round development of India during the 21st century. MES is determined and equipped to contribute its might to the building up of a strong, growing and prosperous India, through its educational endeavours. M.E.S has established a wide network of academicians from several colleges and universities, N.G.Os, corporate bodies etc. to fulfil its educational endeavours.

Mission: The M.E.S mission is to equip the youth in and around Murgaoon with an up-to-date knowledge, marketable skills and high ethical values enabling them to participate effectively in the Nation building process and achieving fullest development of their potential, creative abilities and leadership qualities.

Courses offered and sanctioned strength:

- B.A. - Sanctioned – 360; Filled -328,
- B.Com. - Sanctioned –780; Filled -720
- BBA - Sanctioned -120; Filled -120,
- BCA - Sanctioned -240; Filled -115,
- Bachelor of Business Administration in Shipping & Logistics (First & Second Year Students) Sanctioned -90; Filled -32.

Research Centre:

Department of Sociology- Sanctioned - 08, Filled-01

Department of Economics - Sanctioned - 08, Filled-01

Any new course(s) started: M.Com.- Sanctioned - 30; Filled -26

Faculty strength:39.

Achievements of the College:

- Ranked among top 150 colleges of India by National Institutional Ranking Frame, MHRD, Govt. of India.

Conferences/Workshops Organized:

State Level:03

National Level:02

Publications :

Publications	Cat-I	Cat-II	Cat-III	
1. Research papers in Journals	UGC Recognized (Foreign Publisher)	UGC Recognized (Indian Publisher)	ISSN	Total
2. Books/Edited Books	Foreign Publisher	Indian Publisher	Local Publisher	
3. Research papers in Conference Proceedings	International 04	National 06	Local -	
Total	04	06	-	10

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
02	16	03

Invited Lectures given by the Faculty:

Abroad	Within India	Within Goa
-	-	03

Teachers who obtained research degree during the year:Ph.D.:03**Awards:**

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award. (Only recognized and reputed agencies)
Dr. Cosma Fernandes	Life Time Achievement Award	Tiatr Academy of Goa, 125 th Anniversary of Tiatr Celebration committee, Govt. of Goa

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	05	04	07	01	03	-	20
State	04	06	03	-	-	01	14
National	-	01	01	02	01	01	06
Total	09	11	11	03	04	02	40

Details of the Sports Achievement at National and International Level only

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer	Place Won 1 st /2 nd /3 rd
Mr. Suraj Bind	Athletics	West zone U-20	Vadodara, Gujarat	2 nd Place
Mr. Ajaykumar Bind	Athletics	West zone U-20	Vadodara, Gujarat	3 rd Place
Miss Latisha Khedekar	Touch Rugby	Touch Rugby Nationals	Raipur, Chattisgarh	Runners up
Miss Valerie	Touch Rugby	Touch Rugby Nationals	Raipur, Chattisgarh	Runners up

5.7 V V M's Shree Damodar College of Commerce & Economics, Margao.

Year of Establishment: 1973

College Address: Shree Damodar Educational Complex, G. R. Kare Road, Tansor, Comba,
Margao-Goa, 403 601

Principal's Details:

Name: Dr. (Mrs.)Prita D. Mallya.

Contact No: 2714224, 2732084

Email:principal.sdcc@vvm.edu.in

College Website: www.damodarcollege.edu.in

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade:CGPA of 2.81 on a 4 point scale and B Grade

Round of accreditation: 3rd cycle

Courses offered, sanctioned and filled strength:

- **B.Com.-** sanctioned- 720; filled-674
- **B.C.A. –** sanctioned- 240; filled-182
- **B.F.S. -** sanctioned-200+7;, filled-176
- **M.Com. -** sanctioned 90; filled- 79.

Faculty Strength: 21

Conferences / Workshops Organized by the College:

National level : 01

Publications:

Publications	International	Indian	Total
Research papers in journals	05	02	07
Total	05	02	07

Papers presented in Conferences/Seminars/Workshops:

Within India: 02

Within Goa: 07

No. of teachers who obtained research degree during the year:

Ph. D. :07

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	4	2	4	3	2	-	15
Total	4	2	4	3	2	-	15

5.8 D M's Anand R. Sirsat College of Arts Sou. Sheela Premanand Vaidya College of Science and V. N. S. Bandekar College of Commerce, Assagao

Year of Establishment: June, 1974

College Address: Dnyanprassarak Mandal's College & Research Centre,
Assagao, Bardez – Goa. 403 507.

Principal's Details:

Name: Dr. D. B. Arolkar

Contact: (0832) 2268683/(0832) 2268488

Email: dbarolkar@rediffmail.com

College Website: www.dmscollege.ac.in

Vision and Mission Statement:

Vision: "Education for Social Transformation and Nation Building."

Mission statement: "To Proactively contribute towards the creation of an intellectually dynamic society which is committed to excellence, human dignity and the realization of human potential."

Courses offered and sanctioned strength:

- B. A. –sanctioned-60; filled -65;
- B. Sc.(Computer Science)-; sanctioned--20; filled -21;
- B. Sc.(Electronics)-; sanctioned-20; filled -20;
- B. Sc.(Chemistry) - sanctioned-60; filled -38;
- B. Com.- -sanctioned-300; filled -286;
- B. B. A. - sanctioned-55; filled -55;
- B. C. A.- sanctioned-60; filled -48;
- M. Com. - sanctioned-50; filled -40;
- M. Sc. - sanctioned-20; filled -20;
- Ph. D. Commerce - offered -11, sanctioned-11
- Ph. D. Chemistry- offered -02, sanctioned-02

Faculty strength:55.

Sponsored Research Projects sanctioned, ongoing and completed during June 2016 and May 2017.

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
1.	Dr. Vidya Desai'	Synthesis of Novel Heterocyclic Compounds Having Potential Bioactive Properties'	21/12/2013	DST Goa	4.75 lakhs	Sanctioned and Ongoing
2.	Dr. E. Vadivel'	Anthelmintic, Insecticidal and DNA Cleavage Studies of Some locally available Medicinal Plants'	14/01/2015	Dynan-prassarak Mandal's Research Centre	40,000	Ongoing

4.	Dr. Umesh Gawas'	Photocatalytic Degradation of Environmentally harmful Dyes Using Doped ZnO Nanaoparticles'	14/01/2015	Dynan-prassarak Mandal's Research Centre	35,000	Ongoing
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Sponsored Consultancy Work undertaken (sanctioned/completed/ongoing)

Name of faculty member	Name of consultancy	Name of the sponsor	Duration of consultancy	Amount
Mr. Shripad Merchant	Verification of legal reports	Times of India	Yearly	2.04 Lakhs
Mr. Neville Menezes Gama	Pre Election Survey – Phase 1	Prudent Media	1 month	3,75,000.00
	Pre Election Survey – Phase 2	Prudent Media	1 month	3,75,000.00
Mr. Ashwin de Rosario Souza	Consumer Behavior	Food Express	2 months	5,000.00

Conferences/Workshops organized:

State level : 02

National level : 02

Publications:

Publications	International	Indian	Total
Research papers in Journals	15	17	32
Research papers in Conference Proceedings	01	---	01
Books	---	06	06
Total	16	23	39

Papers presented in Conferences/Seminars/Workshops :

Abroad	Within India	Within Goa
Conferences	12	05
Seminars	10	10
Workshops	02	---

Awards/Honours :

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award.
Dr. Umesh Gawas	Research Award in Chemistry for the year 2016-2017.	CDFAA, Goa University

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-Collegiate	1	3	3	1	---	---	8
State	2	3	---	1	---	---	6
Total	3	6	3	2	---	---	14

Special Sports Achievements:

- Ms. Rakshanda Pilankar represented Goa State in Senior T20 BCCI Elite Group tournament from 5/12/16 to 30/12/16 at Porvorim, GCA Ground, Goa.
- Karan Dhawaskar represented B.W.F. Coaching Course level 1 at Valsad, Gujarat from 23/8/16 to 1/9/17 Gujarat Badminton Association.

Any other Special Achievements of faculty and student

- Ms. Prashanti Talpankar, Associate Professor was awarded Late Shyam Raoji Shenvi Kakodkar award by Kala Sahitya Kendra for translating the English book 'That Long Silence' in Konkani.
- NCC Cadets Ketan Vedapathi and Gautam Vazarkar represented Goa State at the Annual Republic Day Parade at New Delhi.

5.9 Goa Vidyaprasarak Mandal's College of Commerce and Economics, Ponda.

Year of Establishment: 1986

College Address: Post Box No. 102, Farmagudi, Ponda-Goa.403401.

Principal's details:

Name: Shri. Pravin M. Bhende

Contact No.: 0832-2335875

Email: gvmcce@yahoo.in /pmbhende@gmail.com

College website: www.gvmcommercecollege.com

Vision and Mission statement:

Vision: “To make the Institution a centre of excellence in education and enable the students to take up responsible positions in the society”.

Mission: “To make higher education accessible to students especially from rural areas in and around Ponda Taluka and to empower them with knowledge, skills, competencies and values to make them ideal citizens of our country”.

Courses offered, sanctioned & filled strength:

B.Com (UG) - sanctioned -720; filled - 647

B.C.A. (UG) – sanctioned -120; filled - 71

M.COM (PG) - sanctioned -80; filled - 71

Faculty strength: 30

Achievements of the College:

- The college was accredited by NAAC with “B” Grade with CGPA score of 2.70 in its second cycle in March 2015.

Conferences/workshops organized:

State Level : 01

Publications : (Only Publications in ISSN/ISBN journals/books)

Publications	International	Indian	Total
Research papers in Journals	02	--	02
Total	02	--	02

No. of teachers who obtained research degree during the year: Ph.D.:03

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	5 Gold	3 Silver	1Bronze	2 Gold	1 Silver	--	12
National	-	-	-	1 Gold	2 Bronze	--	03
Total	5 Gold	3 Silver	1Bronze	3 Gold	3 Silver	--	15

5.10 P. E. S.'s Shri Ravi S. Naik College of Arts & Science, Ponda

Year of Establishment: 1986.

College Address: P. E. S. SRSN College of Arts & Science, Farmagudi, Ponda-Goa.

Principals Details:

Name: Dr. Vikas Pissurlekar

Contact No. : (0832) 2335171

Email: pessrsncol@gmail.com

College Website: <http://www.pescollege.com>

Vision and Mission Statements: Vision: Is to be a Centre of Higher Education, that prepares youth for becoming capable useful and upright citizens, able to face the challenges faced by the country and the global village. Is to act as catalyst for a holistic development of the rural community.

Mission: We aim to achieve our vision by ensuring that our faculty is highly qualified and committed to the transference of high levels of knowledge and values to the students.

By promoting activities that inculcate student community interaction for meeting the local needs. By evolving programmers that will enable the students to find practical applications of the knowledge gained. By providing an atmosphere where an all round development of personality is possible.

Courses offered, sanctioned and filled strength:

- B.A.-474
- B.Sc.-642

Faculty strength: 46.

Teachers deputed for higher studies under FIP or on Fellowship of more than Three months duration abroad: ---
FIP 1

Achievements of the College:

- Reaccredited by NAAC with B Grade and a CGPA of 2.77

Sponsored Research Projects sanctioned between June 2015 and May 2016.

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
1	Dr. Bhushan Bhavne	Study of Folk Culture of Khashi Community in Meghalaya	Nov. 2015 (1 year)	National Security Council, Secretariate, GOI	6.90 Lakhs	Ongoing
2	Dr. Jyoti D. Vaigankar	Orchid mycorrhizal fungal diversity of western Ghats of Goa and neighbouring regions of Maharashtra & Karnataka	June 2017	Science & Engineering Research Board	30.80 Lakhs	Ongoing

Conferences/ Workshops organize:

State level – 2 National Level: - 5

Publications:

Publications	International	Indian	Total
Research papers in Journals	-	19	19
Research papers In Edited Books	02	01	03
Books	-	03	03
Total	02	23	25

No. of teachers who obtained research degree during the year: Ph. D.: 01

5.11 Cuncolim Educational Society's College of Arts and Commerce, Cuncolim

Year of Establishment: August 1987

College Address: Cuncolim, Salcete Goa 403 703.

Principal's Details:

Name: Dr. Savita S. Nadkarni (Officiating)

Contact No.: 2865210/9881662304

Email : principalcescollege21@gmail.com

Website: www.cescac.in

Vision and Mission Statement:

Vision : “To infuse, nurture and develop lasting Values of secularism, democracy and Leadership in our students through Quality education.”

Mission : “To impart quality higher education, to our students, so as to foster their development by providing knowledge that will build up enlightened citizens, a Progressive Society and a vibrant nation while giving due Consideration to the Young aspirants of higher education.”

Course offered & Sanctioned and filled strength:

- B. A.-240, B.COM. - 256

Faculty strength: 19

Conferences/workshops organized:

State Level: 02

National Level : 01 (Seminar)

Publications:

Publications	International	Indian	Total
Research papers in Edited Books	--	02	02
Research papers in Conference proceedings	--	02	02
Books	--	03	03
Total	--	07	07

Paper presented in Conferences/Seminars/workshops:

Abroad	Within India	Within Goa
--	--	02

Invited Lectures given by the Faculty:

Abroad	Within India	Within Goa
--	--	06

No. of teachers who obtained research degree during the year:

Ph.D.:01

Sports achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	05	--	--	02	02	01	10
Total	05	--	--	02	02	01	10

5.12 Government College of Arts, Science and Commerce, Sanquelim

Year of Establishment: June 1988

College Address: Govt. College of Arts, Science and Commerce, Sanquelim-Goa.

Principal's Details:

Name: Dr. Joydeep Bahttacharjee (Offg. Principal)

Contact No: Ph. No. (0832) 2364271

Email: gcasc@gmail.in

College Website: www.gcasc.ac.in

Vision and Mission Statement:

Vision:“Empowerment For Social Transformation Through Holistic Education With A Humane Approach”.

Mission:“To Initiate Positive Social Change through Equal Opportunity Diverse Approaches, in a Healthy, Responsive & Inclusive Environment.”

Courses offered and sanctioned strength:

- B.A. - 478,
- B.Sc. - 298,
- B.Com. - 350.

Faculty strength:44.

Conferences/Workshops organized:

National Level: 1

Publications

Publications	International	Indian	Total
Research papers in Conference Proceedings	-	01	01
Research Papers in Journals	-	03	03
Total	-	04	04

Papers presented-in Conferences/Seminars /Workshops:

Abroad	Within India	Within Goa
----	07	04

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter- collegiate	02	03	03	02	01	-	11
State	02	-	01	-	-	-	03
Total	04	03	04	02	01	-	14

Details of the Sports Achievements at National and International Level only

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer	Place Won 1 st /2 nd /3 rd
Ashish Parab	Volleyball			
Sagar Sawan	Kabaddi	43 rd Junior National Kabaddi Championship 21 st Dec -25 th Dec 2016	Gujarat Statev Kabaddi Association	
Vanita Bhandari	Cricket	Under 19 Goa State	BCCI South Zone	

Any other Special Achievements of Faculty and Students:

Ms. Purva Marathe won the 1st place in Interstate Senior College Elocution Competition organized by Parmpujya Swami Swarupanand at "Gogte Joglekar College Ratnagiri" on 14/12/2016.

5.13 Goa College of Home Science, Campal, Panaji

Year of Establishment: 1988

College Address: Opp.of Parade Ground, Campal, Panaji- Goa

Principal's Details:

Name : Dr. Mahesh Pai, Offg. Principal

ContactNo.:2227603, 2425254

Email:Principalgchs@rediffmail

Website:www.goahomescience.gov.in

Vision and Mission Statement:

Vision :Cultivating Erudite Community Builders

Mission: To ensure all round development of students, by instilling in them the Institutes' core values of innovation, excellence and discipline with a thrust on being self-reliant and responsive to the changing trends in Industry and Society.

Course offered, Sanctioned strength, filled strength :

Courses offered: Food, Nutrition & Dietetics, Textiles & Clothing, and Human Development.

Sanctioned strength: 50 Filled strength:41

Faculty strength: 6

Achievements of the College;

From 13th to 18th February 2017, our college served as a week-long base for the **Japan-Study India Student Exchange Programme**, a collaborative effort between Goa University and Nihon University, Japan.

Workshop on ANDROID APPLICATION DEVELOPMENT on the 9th and 10th of December, 2016 was a part of National Workshop Series (NWS) by Ecell IIT Bombay and Robokart.com.

Consultation/projects undertaken

Nestle healthy kids programme

Our college has **collaborated with Nestle India Ltd.** to implement an Interactive Programme aimed at creating **Nutrition and Health Awareness among Adolescents**, in the age groups 13 to 17 years. **Handloom weaving centre**

Our College takes pride in its Handloom Weaving and Training Centre which strives to design hand-woven Kunbi sarees. The centre was set up under the patronage of Wendell Rodricks, Fashion Designer of International Repute, in 2012.

Training in grooming & etiquette

Our college tied up with IMAGE MOSAIC, an established Grooming & Etiquette Consultancy firm to train our students in the art of PERSONALITY ENHANCEMENT & SELF-PRESENTATION. A six-day workshop was conducted by Ms. Charmaine Shackleton Godinho and Ms. Sneha Salgaonkar.

Conferences/Workshops organized:

State Level: 4 National Level: 1

Publications:

Publications	International	Indian	Total
Research papers in journals	--	1	1
Research papers in Edited Books	--	2	2
Research papers in Conference Proceedings	--	1	1
Total	--	4	4

Papers presented in Conferences / Seminars / Workshops:

Abroad	Within India	Within Goa
--	--	4

5.14 Government College of Arts, Science & Commerce, Khandola

Year of Establishment: June 1989.

College Address: Govt. College of Arts, Science & Commerce, Khandola, Marcela, Goa.

Principal's details:

Name: Dr. Jivexa Bhattacharjee, Offg. Principal
Ganeshnagar, Khandola, Marcela, Goa

Contact No.: 0832- 2288369/2287718 Mob; 9422440970

Email: gcasck@rediffmail.com

Website: www.khandolacollege.edu.in\

Vision and Mission Statement:

Vision - To be “Centre for Excellence” with the following mission Statement

To promote high standards of education in an environment conducive to the needs of undergraduate students.

To provide undergraduate education that will enable students to be responsive to the needs of an ever-changing society.

To promote the advancement of scholarly and artistic activities for students and faculty.

To foster a culture that supports and reinforces ethical and pro-social values.

To create an environment in which students and faculty find support and encouragement in achieving life.

Courses offered and sanctioned strength:

- B. A. – Sanctioned strength-180& filled strength-248,
- B.Sc. Sanctioned strength-240 & filled strength-192,
- B. Com. Sanctioned strength-420 & filled strength-317.

Faculty strength: 34.

Achievements of the college :

- The NAAC Peer Team visited this college on 17th & 18th March 2017 for the second cycle of the NAAC accreditation of the college and has accredited with a CGPA of 3.01 on seven point scale by NAAC with A grade.
- Two NSS volunteers of this college namely Mr. Latif Khan and Miss Bharati Doddanavar has represented Goa at National Integration Camp at Ballari, Karnataka and also participated at the Youth Convention and Suvichar at the National Youth Festival 2017 at Rohtak Hariyana.

Conferences/ Workshops Organized (Nos. only) :- State level: 01

Publications:

Publications	International	Indian	Total
Research papers in journals	01	03	04
In Edited Books	-	06	06
Total	01	09	10

Papers presented in Conferences / Seminars / Workshops:

Abroad	Within India	Within Goa
02	07	02

No. of teachers who obtained research degree during the year:

Ph.D. - 02

5.15 Government College of Arts, Science and Commerce, Quepem

Year of Establishment: a) As a College June 1989,
b) 2f of UGC -6th March, 1991
c) 12 B of UGC- 25th February, 2004.

College Address: Government College of Arts, Science and Commerce,
Quepem-Goa, Pin code 403705.

Principal's Details:

Name: Prof. B. G. Nayak

Contact No: 0832-2662342

Email: gcascq @ rediff.com

College Website: <http://gcq.ac.in>

The NAAC accreditation Status

Whether accredited: Yes

Score and Grade: NAAC Accredited with 'A' Grade CGPA of 3.23 score

Round of accreditation : Cycle 2

Vision and Mission Statement:

Vision: To nurture the students, to nourish the society.

Mission: To provide resources for learning, for advancement, creation and dissemination of knowledge this would contribute to a more meaningful society through the growth and all round development of student's personality.

Courses offered, sanctioned and filled strength: B.A., B.Com., B.Sc., - 1416 students; M.Com.-59 students, Ph.D. - 09 students

Faculty strength: 47

Achievements of the College:

- NAAC accreditation with A Grade (CGPA: 3.23)
- National Institutional Ranking Framework (NIRF) Ranking: 53rd (All India)
- Research Centres in History and Marathi.
- Tribal Studies Centre

Conferences/Workshops Organized:

National Level:-01

Publications:

Publications	Cat-I	Cat-II	Cat-III	
Research papers in Journals	UGC Recognized (Foreign Publisher)	UGC Recognized (Indian Publisher)	ISSN ISBN	Total
05	01	06	05	15
Books/Edited Books	-	02	-	-
a) Research papers In Edited Books	-	01	01	02
b) Books	-	-	01	01
Research papers in Conference Proceedings	International 06	National 04	Local 02	11
05	07	13	09	29

Papers presented in Conferences/Seminars/Workshops:

Abroad/International	Within India	Within Goa
04	03	06

No. of teachers who obtained research degree during the year:

Ph.D. - 01

M.Phil. - 01

Awards/Honours :

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award. (Only recognized and reputed agencies), Date of award
Dr. Sushila Mendes	Ex NCC Achievers Award	Ex- NCC Cadets Association, Goa

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	09	14	07	01	04	01	36
State	-	02	-	01	02	03	08
Inter-University	-	-	-	02	-	-	02
National	-	-	-	01	01	-	02
Total	09	16	07	05	07	04	48

Details of the Sports Achievement at National and International Level only

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer	Place Won 1 st /2 nd /3 rd
Michel Castanha	Football Tournament	Represented India in AFC Cup April 2017	Asian Football Confederation North Korea	---
		Represented West Zone Inter University Football 5 th to 9 th Oct. 2016	All India Inter-University, Pathan, Gujrat	Winners
		Represented Goa State Futsal Team from 26 th to 29 th Dec. 2016	Futsal Association, Jaipur, India	Winners
Riza Pereira	Football Tournament	Represented West Zone Inter University Football 5 th to 9 th Oct. 2016	All India Inter-University, Pathan, Gujrat	Riza Pereira Winner
Ankita Zambaulikar	Cricket Tournament	West Zone Tennis Ball cricket 26 th to 28 th June 2016	Goa Tennis Ball Cricket Association, Campal Goa	Ankita Zambaulikar 1st place
Leander D'Cunha	Football Tournament	Santosh Trophy Football 15th to 26 th March, 2017	AIFF and Goa Football Association, Panaji	Runners up

5.16 Rosary College of Commerce & Arts, Navelim, Salcete, Goa

Year of Establishment: June, 1990

College Address: Navelim, Salcete, Goa 403707.

Principal's Details:

Name: Rev. Dr. Simão R. Diniz

Contact No.: 9822124121

Email:

College Website: www.rosarycollege.org

Vision and Mission Statement:

Vision: An Educative Community marked by Justice, Cooperation and Integrity.

Mission: To empower young men and women specially the underprivileged as responsive citizens through Holistic Education.

Courses offered, sanctioned and filled strength:

- Commerce – 287,
- Arts – 172,
- Computer Applications – 84,
- Business Administration – 52,
- Business Administration (Travel & Tourism) – 45,
- Masters of Commerce – 24.

Faculty strength: 34

Conferences / Workshops / Seminars / Events Organized:

- State Level: 01
- National Level: 06
- International Level: 01

Publications:

Publications	International	Indian	Total
Research papers in journals	6	6	12
Research papers in Edited Books	03	01	04
Research papers in Conference Proceedings	02	04	06
Total	18	12	30

Papers presented in Conferences / Seminars / Workshops:

Abroad (No. of Papers)	Within India (No. of Papers)	Within Goa (No. of Papers)
--	15	09

Number of teachers who obtained research degree during the year:

M.Phil	Ph.D.
Nil	01

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	11	11	16	5	3	--	46
State	1	--	2	--	--	--	03
Inter-University	--	--	--	1	--	--	01
National	--	--	1	--	1	--	02
International	1	--	--	--	--	--	01
Total	13	11	19	6	4	--	53

Special Sports Achievements:

- Mr. Aaren D'Silva represented Goa in the Santosh Trophy (Football) and won the Runners-Up position.

5.17 Saraswat Vidyalaya Society's College of Commerce and Management Studies, Mapusa

Year of Establishment: 1991.

College Address: Telang Nagar, Khorlim, Mapusa Goa.

Principal Details:

Name: Santosh B. Patkar

Contact No.: 9421157379/(0832) 2250042

Email: patkar_santosh@rediffmail

College Website: www.saraswatbba.com/www.caculcollege.ac.in

Vision and Mission Statement:-

Vision: To be a model institution providing for a holistic development of the Individuals with an aim of promoting a healthy and progressive society.

Mission: To impart value added education to nurture creative abilities of our youth, to develop professional competence with a focus on opportunities for individual excellence and the collective wellbeing of the community.

Courses offered and sanctioned strength: B.Com.-498, B.B.A.-164, B.C.A. -51.

Faculty strength: 15.

Conference/workshop organized :

State level: 04

National Level:04

Details of International Conferences/Workshops organized

International Conference on Physical Education and Sports Sciences, funded by College.

Publications:

Publications	International	Indian	Total
Research papers in Journals	06	02	08
Research papers in Conference Proceedings	06	04	10
Books	--	01	01
Total	12	07	19

Papers presented in Conferences / Seminars / Workshops:

Abroad	Within India	Within Goa
--	11	10

Number of teachers who obtained research degree during the year:

M.Phil	Ph.D.
Nil	02

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	-	02	04	01	-	-	07
Inter-University	-	-	-	-	-	03	03
National	-	-	-	01	-	-	01
Total	-	02	04	02	-	03	11

Details of the Sports Achievements at National and International Level only :

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer
Mast. Soham Shirodkar Mast. Kawiel D'Souza)	Rugby (Touch) Rugby (Touch)	27 th -29 th December 2016 Senior National Touch Championship	Chatisgarh Touch Rugby Association

5.18 Fr. Agnel College of Arts and Commerce, Pilar

Year of Establishment: June 1991

College Address: Pilar, Goa. 403 203

Principal's Details:

Name : Dr. Fredrick Rodrigues

Contact No.: (0832)2218673

Email :

Website: www.fragnelcollege.edu.in

Vision and Mission Statement: Our mission is to provide quality higher education to all including the socially, economically and academically challenged students and through 'Honest Toil' build 'Successful Citizen's in all walks of life who will sustain the ethos of our great country through imbibed values of Truth, Love and Justice to all.

Courses offered and sanctioned strength:

B.A.- sanctioned- 300; filled-265, B.Com.- sanctioned-480; filled- 305; and B.C.A.- sanctioned-120; filled-55.

Faculty strength:-20

Achievement of the college:

College Re-accredited by NAAC with A'Grade

Conferences / Workshops organized:

State Level:04 National Level:01

Publications:

Publications	International	Indian	Total
Research papers in Journals	06	02	08
Research papers in Journals	01	01	02
Research papers In Edited Books	--	01	01
Total	01	02	03

Papers presented in Conferences / Seminars / Workshops:

Abroad	Within India	Within Goa
--	01	09

No. of teachers who obtained research degree during the year:

Ph.D. :01

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	2	2	2	-	1	1	08

Details of the Sports Achievements at National and International Level only

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer	Place Won 1 st /2 nd /3 rd
Ms. KarunaKunkolkar	Athletic Inter Collegiate			Silver
Mr, GiteshZuri	-do -			Silver / Bronz
Nasveen Pereira	-do -			Silver
Ms. AnishaKavlekar	-do -			Silver
Mr. Ashish Salgaonkar	Gudo			Silver
Mr. SurajKunkolkar	Body building			Gold

5.19 Government College of Arts and Commerce, Pernem**Year of Establishment:** 1993.**College Address:** Sant Sohrobanath Ambiyé, Govt. College of Arts & Commerce, Virnoda, Pernem, Goa.**Principal's Details:****Name:** Oscar de Noronha, (Acting Principal)**Contact No.:** 9422456220 (M), Tel: 2201210 (Off.) 2201762 (Prin.)**Fax:** 2201762**Email:** gcacpg@yahoo.co.in

oscardenoronha@gmail.com

www.govtcollegepernem.org

Website: www.govtcollegepernem.org.**Vision and Mission Statement:****Vision:** Knowledge and virtue for peace and progress**Mission:** To empower the youth; promote excellence in all our endeavours; and develop service-minded citizens of the country and the world.**Courses offered and sanctioned strength:** B. A. & B. Com.**Faculty Strength:** 15.

Publications:

Publications	International	Indian	Total
Research papers in journals	04	01	05
Research papers in Conference Proceedings	03	-	03
Books	-	01	01
Total	07	02	09

Papers presented in Conferences / Seminars / Workshops:

Abroad	Within India	Within Goa
--	04	07

Awards/ Honours:

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award.
Lt. Sam Joseph Braganza	NCC DG Baton	Officers Training Academy, Kamptee, Nagpur

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	02	03	04	02	-	-	11
Total	02	03	04	02	-	-	11

5.20 Dnyan Prabodhini Mandal's Shree Mallikarjun College of Arts & Commerce, Canacona

Year of Establishment: 1993

College Address: Delem, Canacona, Goa 403702

Principal's Details:

Name: Dr. F. M. Nadaf

Contact No: 0832-2633433, 9765459914,

Email: fmnadaf@rediffmail.com

College website: www.shreemallikarjuncollege.in

The NAAC accreditation Status

Whether accredited : **YES**

Score and Grade : **2.81**

Round of accreditation : **First Cycle**

Vision and Mission Statement:

Vision: To emerge as the torchbearer in the learner-centric Quality Higher Education through unstinted commitment and dedicated efforts continuously evolving to better the BEST.

Mission: To strive for community development through empowerment of individuals by providing opportunities for learning life's education and lead by example.

Courses offered, sanctioned and filled strength: B.A.-Sanctioned-360; Filled-327, & B.Com. - Sanctioned-180; Filled-122

Faculty strength: 18

Conferences/Workshops Organized:

- State Level : 01
- National Level : 01
- International Level : 01

Details of International Conferences/Workshops organized

- **DEPARTMENTS OF KONKANI AND HINDI** of our College in association with SEWA a registered NGO based in Kalyan- Mumbai organized an Inter-disciplinary International Conference on the focal theme **“INDIAN CINEMA AND WOMEN”** on 3rd & 4th February 2017. About 15 foreign delegates from Canada, France, Denmark, Poland, Portugal, Korea, Japan, and Austria participated along with Indian delegates from different parts of India.
- Commerce Department organized a National Conference on 23rd and 24th September 2016 on the theme **“Gender, Environment and Sustainable Development”**.

Publications:

Publications		Indian
Research papers in journals	-	3
In Edited Books	-	1
Research papers In Edited Books	-	2

Papers presented in Conferences / Seminars / Workshops:

Abroad	Within India	Within Goa
--	04	03

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
--	02	11

No. of teachers who obtained research degree during the year:

M.Phil	Ph.D.
-	01

Sports Achievements of Students:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	-	02	04	01	-	-	07
Inter-collegiate	02	--	01	02	--	--	05
State	06	07	07	--	--	--	20
Total	08	07	08	02	--	--	25

5.21 Narayan Zantye College of Commerce, Bicholim**Year of Establishment:** June, 1994**College Address:** Vathadev, Sarvan, Bicholim – Goa
Post: Industrial Estate Pin: - 403 529**Principal's Details:****Name:** Shri Rajesh Amonkar**Contact No:** 9823618272

(O): 2361377/2363769

Email: zantyeedu@rediffmail.com**College website:** www.zantyecollege.ac.in**Vision and Mission Statement: Vision:** To be the Centre of Best Quality Education and Research.**Mision:** We at Zantye College are committed to impart and innovate Education, direct our inputs into productive outputs and to develop socially responsible citizens for our Nation.**Courses offered, sanctioned and filled strength:** B.Com. –Sanctioned-540; Filled-529,
M. Com.- Sanctioned -80; Filled-70.**Faculty Strength: 19****Conferences/Workshops Organised:****State Level:01****Publications :**

Publications	International	Indian	Total
Research Papers in Journals	11	--	11
Research Papers in Conference Proceedings	01	01	02
Total	12	01	13

Papers presented in Conferences/Seminars/Workshops :

Abroad:01

Within India:04

Sports Achievements :

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	--	--	--	01	--	01	02
Total	--	--	--	01	--	01	02

5.22 Govt. College of Commerce, Borda, Margao**Name of the College:** Government College of Commerce, Borda, Margao**Year of Establishment:** June, 2010**College Address:** Borda, Margao, Goa-403602**Principal's Details:****Name:** Ms. Maria Fatima De Souza**Contact No:** 0832-2700555**Email:** gcc.margao@gmail.com**Vision and Mission Statement:****Vision:** To Nature Students to Nourish Our Society**Mission:** To provide resources for learning, for advancement, creation and dissemination of knowledge which would contribute to a more meaningful society through the growth and all-round development of the student's personality.**Courses offered, sanctioned and filled strength:** FY, SY, TY B.Com. 200**Faculty strength:**07**5.23 Vikas Parishad, Mandrem College of Commerce, Economics and Management, Pernem****Year of Establishment:**2012.**College Address:** Dev Mandrekar Nagar, Mandrem – Goa.**Principal's Details:****Name:** Shri Narayan J. Naik (Administrative Incharge)**Contact No.:** 9422395963/9423837316/0832-2247269**Email:** mandrecollege@yahoo.co.in**College Website:** www.mandrecollege.ac.in**Courses offered, sanctioned and filled strength:** B.Com. – 108

Faculty Strength: 04- Contract Basis
06- Lecture Basis

Conferences/Workshops Organized:

State Level: 1 no.

Sports Achievement : (Note: Specify only number of winner)

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	--	--	01	--	--	--	--
Total	--	--	01	--	--	--	--

5.24 Swami Vivekanand Vidya Prasarak Mandal's College of Commerce, Bori, Ponda.

Year of Establishment: 2013-2014

College Address: Swami Vivekanand VidhyaPrasarak Mandal's College of Commerce, Shirshirem, borim – Ponda Goa. 403401

Contact No.: 08322333029

Principal's Details:

Name: Shri Shekhar Sawant (Officiating Principal)

Email: svvmcollege@yahoo.com

Courses offered, sanctioned and filled strength: BCOM-Sanctioned-60; filled-139
BBA-Sanctioned-30; filled-

Faculty strength: 03

Conferences/Workshops Organized:

State Level: 2 nos

Publications:

Publications	International	Indian	Total
Research papers in journals	--	02	02
Research papers in Edited Books	--	--	--
Research papers in Conference Proceedings	--	01	01
Books	--	--	--
Total	--	03	03

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	02	01

5.25 Shree Sateri Pissani Education Society's Shri Gopal Gaonkar Memorial Goa Multi-Faculty College, Dharbandora.

Year of Establishment: 2013-2014.

College Address: NH-4A, Ponda-Belgaum Road, Dayanand Nagar, Tal. Dharbandora, District-South Goa. 403 406.

Principal's Details:

Name: Dr. Manasvi M. Kamat (Offctg. Principal)

Contact No: 09422415052

Email: manasvikamat@gmail.com

College Website: www.gmfc.ac.in

Vision and Mission Statement:

Vision: Sustainable development through education in an environment that values diversity, individuality, mutual respect and free exchange of ideas.

Mission: To provide high quality, student centred education and lifelong learning opportunities for the communities we serve.

Courses offered, sanctioned and filled strength:

BBA- sanctioned-60 ; filled-60, BCA - sanctioned-40 ; filled-40, B.Com.- sanctioned-60 ; filled-25,

Faculty strength:29

Achievements of the College:

- **SSPES Goa Multi-Faculty College, Dharbandora** selected among the top 20 best institutions, out of 4500 Institutions in the Country for implementing “**Digital Financial Literacy Campaign**” of “VISAKA” and honoured by Union Minister of Human Resource Development, Shri. Prakashh Javadekar.

Publications:

Publications	International	Indian	Total
Research papers in journals	-	18	18
Research papers in Edited Books	-	02	02
Total	-	20	20

Papers presented in Conferences/Seminars/Workshops:

Paper presented	Abroad	Within India	Within Goa
Conferences	02	09	02
Seminars	--	10	01
Workshops	--	--	03

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	--	01	03	--	--	--	04
Total	--	01	03	--	--	--	04

5B. PROFESSIONAL COLLEGES**5.26 Don Bosco College, Panaji****Year of the Establishment:** 2001**College Address:** M.G.Road, Near Municipal Market, Panaji-Goa**Principal's Details:****Name:** Mr. Cedric Silveira**Contact No:** 9823756005**Email:** cedricsilveira@yahoo.com**College website:** www.donboscogoa.org**Vision and Mission Statement:****Vision:** We strive to promote the Holistic Education of the Young, especially of the Marginalised in the Don Bosco way, making them Agents of Transformation for a better tomorrow.**Mission:** To provide youngsters with an integral formation of Academic, Professional and Human commitment.**Courses Offered, sanctioned and filled strength:**

- B.C.A-sanctioned-80; filled-45,
- BBA(Travel & Tourism)- sanctioned-33; filled-34,
- B.A.M.M.- sanctioned-30; filled-28,
- B.B.A- sanctioned-40; filled-45,
- B.S.W.- sanctioned-30; filled-10,
- B.P.Ed- sanctioned-50; filled-49,
- Master of Social Work- sanctioned-30; filled-14.

Faculty Strength : 35**Conferences/Workshops Organized:**

State level: 1

National Level: 01

Publications:

Publications	International	Indian	Total
Research papers in Journal	9	3	12
Research papers in Edited Books	-	1	1
Research Papers in Conferences Proceedings	1	2	3
Books	-	2	-
Total	10	6	14

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	04	01

No. of teachers who obtained research degree during the year: Ph. D.- 02

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	10	7	3	5	1	1	27
State	1	2	2	-	-	-	5
Inter –University	5	-	-	-	-	-	5
National	-	-	4	-	1	1	6
International	-	-	-	-	-	-	-
Total	16	9	9	5	2	2	43

Details of the Sports Achievements at National and International Level only:

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer	Place Won
Tushar Gaude	Senior National	Tennis Ball Cricket from 7 th – 15 th Feb 2017	Tennis Ball Cricket Association	Third
Dayesh Suka	Senior National	Tennis Ball Cricket from 7 th – 15 th Feb 2017	Tennis Ball Cricket Association	Third
Ramdas G. Varak	Senior National	Tennis Ball Cricket from 7 th – 15 th Feb 2017	Tennis Ball Cricket Association	Third
Prachi Naik	Senior National	Tennis Ball Cricket from 7 th – 15 th Feb 2017	Tennis Ball Cricket Association	Third

5.27 Goa College of Pharmacy, Panaji

Year of Establishment: 1963

College Address: Goa College of Pharmacy, 18th June Road, Panaji, Goa-403001.

Principal's Details:

Name: Dr. Gopal Krishna Rao

Contact No.: 0832-2226883.

Email: gcppprincipal@yahoo.com.

College website: www.gcp.goa.gov.in

Vision and Mission Statement:

Goa College of Pharmacy, a prestigious institute established by the Government of Goa offers Pharmacy Council of India (PCI)/ All India Council for Technical Education (AICTE) approved courses in pharmaceutical technology. This premier institute endeavors to impart advanced technology education in the discipline of Pharmacy in order to synchronize with the motto "EDUCATION WITH EXCELLENCE"

We are committed to:

Develop the institute as a world class learning center.

Provide quality human resource.

Keep the budding pharmacists abreast with the latest advancement in the pharmaceutical, medical and technological fields.

Collaborate with the industry for sustainable partnership, contract research and development.

Modernize and upgrade the institutional infrastructure.

Impart continuing education programmes to fulfill the needs of working professionals/Non-Government organizations.

Conduct Doctoral and Post Doctoral Programmes in Pharmaceutical and Clinical Practice.

Render community services especially to the rural masses.

Establish linkages with alumni for institutional development.

Our Core Value:

Impart intellectual and value based education with emphasis on Pharmaceutical ethics.

Courses offered and sanctioned strength:

- B. Pharm. – Sanctioned -63; filled-63.
- M. Pharm. – Quality Assurance - Sanctioned -15; filled-15.
Pharmacology - Sanctioned -15; filled-09.
Pharmacognosy – Sanctioned -15; filled-12.

Faculty strength: 33

Achievements of the College:

- Ranked 30th in the country by MHRD under National Institutional Ranking Framework (NIRF-2017).

Sponsored Consultancy Work undertaken (sanctioned/completed/ongoing) during the reporting period.

Name of Faculty member	Name of consultancy	Name of the Sponsor	Duration of consultancy	Amount	Sanction Date
Smt. R.S. Gude	ANDA of Drugs	Vista Pharmaceuticals	One year	Rs.50,000/-	June 2016

Details of International Conferences/Workshops organized. – One -.

Title of Conference Workshop : Professional Development Program on 'Intellectual Property for Industry and Academia Professionals: Training the Trainers'.

Funding Agency : -

Amount Sanctioned : Nil

Date : 14th – 15th November, 2016.

Publications :

Publications	International	Indian	Total
Research papers in Journals.	07	08	15
Research papers in Conference Proceedings.	02	01	03
Total :	09	09	18

Papers Presented in Conference/Seminars/Workshop:

Abroad	Within India	Within Goa
--	02	01

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	-	-	-	18	-	-	18
Total	-	-	-	18	-	-	18

5.28 Goa College of Engineering, Farmagudi

Year of Establishment: 1967

College Address: Farmagudi, Ponda – Goa

Principal's Details:

Name: Dr. V. N. Shet

Contact No.: 0832-2336301

Email:pp1@gec.ac.in

College Website: www.gec.ac.in

The NAAC accreditation Status

Whether accredited:

Score and Grade

Round of accreditation NA

Courses offered sanctioned and filled strength:

- B. E. Civil Engg. Sanctioned – 60; Filled-69,
- B. E. Mech Engg. Sanctioned – 60; Filled-67,
- B. E. Electrical & Electronics Engg. Sanctioned – 60; Filled-64,
- B. E. Electronics & Telecommunication Engg. Sanctioned – 60; Filled-63,
- B. E. Computer Engg. Sanctioned – 60; Filled- 63,
- B. E. Information Technology Engg. Sanctioned–60; Filled-63,
- B. E. Mining Engg Sanctioned.- 30; Filled-25,
- M. E. Foundation Engg. Sanctioned – 18; Filled- 4,
- M. E. Industrial Engg. Sanctioned – 18; Filled-15,
- M. E. (ETC) ECI Engg. Sanctioned – 15; Filled- 14,
- M. E. (ETC) Microelectronics Engg. Sanctioned – 15; Filled- 06,
- M.E. Power & Energy Sanctioned – 18; Filled- 13,
- M. E. Computer Sci. Engg. Sanctioned – 18; Filled- 18,
- InD. Auto. & RF Sanctioned – 18; Filled- 18,
- Structural Engineering -18; Filled- 18.

Any new course(s) started: M.E. Information Technology

Faculty strength: 97

No. of Teachers who obtained Research Degree during the year: Ph.D.: 06

Conferences/Workshop Organized:

State Level: 09

National level: 08

Publications:

Publications	Cat-I	Cat-II	Cat-III	
1. Research papers in Journals	UGC Recognized (Foreign Publisher)	UGC Recognized (Indian Publisher)	ISSN	Total
	22	3	8	33
2. Books/Edited Books	Foreign Publisher	Indian Publisher	Local Publisher	
a) Research papers In Edited Books	01	0	0	01
b) Books	0	0	0	
3. Research papers in Conference Proceedings	International	National	Local	
	35	21	--	56
Total	58	26	6	90

Papers Presented in Conference/Seminars/Workshop:

Within India:39

Within Goa:05

Number of teachers who obtained research degree during the year:

Ph.D.: 02

Awards :

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award. (Only recognized and reputed agencies), Date of award
Dr. Rajesh S. Prabhu Gaonkar	Dr. J. M. Mahajan	Indian Institution of Industrial Engineering

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	3	2	2	-	2	2	4
Total	3	2	2	-	2	2	4

5.29 Nirmala Institute of Education, Panaji

Year of Establishment: 1963

College Address: Altinho, Panaji – Goa, 403001

Principal's Details:

Name: Dr. Delia Antao (Officiating)

Email: niegoa@gmail.com

College website: www.nirmalainstitute.org

Vision and Mission Statement:

Vision Statement: “The Nirmala Institute of Education forges ahead in its prime endeavor to instill a sense of vocation in teachers and professionals in allied fields; to empower them to achieve their highest potential through a spirit of commitment to standards of excellence and to nurture universal values that will lead to social transformation in the local, national and global context.”

Mission Statement:

To help prospective teachers discover and appreciate their unique vocation in society.

To provide prospective teachers with a stimulating and catalytic environment that is both futuristic in outlook and holistic in perspective for the achievement of excellence.

To provide theoretical knowledge interwoven with a repertoire of pedagogical practices, hands-on teaching experience and the inclusion of technology as a teaching and learning tool.

To nurture in prospective teachers universal values that include a commitment to social justice and an understanding of the strengths and needs of a diverse student population.

To re-vitalize education through partnership with different educational agencies and universities.

To draw out latent talents and creativity through varied co-curricular programmes.

To propagate best practices in education through in-service training programmes organized by the Department of Extension Services as well as through Extra Mural Programmes.

Courses offered, sanctioned and filled strength:

- B. Ed.-Sanctioned-200; Filled-200
- PGD in Guidance & Counselling- Sanctioned-30; Filled-16.
- M.A Welllness Counselling- Sanctioned-40; Filled-05.

Faculty strength: 16

Conferences/Workshops Organized:

State Level: **26**

National Level: **10**

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	--	02

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
--	--	03

Publications:

Publications*	International	Indian	Total
Research papers in journals	-	04	04
Research papers in Edited Books	-	01	01
Research papers in Conference Proceedings	-	03	03
Total	-	08	08

5.30 Goa College of Art, Altinho, Panaji**Year of Establishment:** 1972**College Address:** Altinho, Panaji.**Principal's Details:****Name:** Shri Mahesh V. Vengurlekar**Contact No.:** 2226104**Email:** goacollegeofart@gmail.com**Website:** goacollegeofart.com**Vision and Mission Statement:****Courses offered and sanctioned strength:** B. F. A. (Painting) - 20, B. F. A. (Applied Art) 30.**Faculty strength:** 09**5.31 V. M. Salgaocar College of Law, Miramar****Year of Establishment:** 1973**College Address:** P.O. Caranzalem, Miramar - Panjim, Goa, 403 002**Principal's details:****Name:** Dr. M. R. K. Prasad**Contact No:** 0832-2461809/7350198881**Email:** prasadmandav@gmail.com**College Website:** www.vmslaw.edu.in

Vision & Mission Statement: Mission- The Mission of the College is “Excellentia Jutitia et Humanitas” which means “Excellence in legal education in pursuit of justice and service to humanity.” The College is committed to academic excellence and affords opportunities for knowledge acquisition and adaptation through training, research, consultancy services to public through outreach activities.

Vision of the college

The words of the famous Justice Mansfield, “Let justice be done though the heavens fall”, is the theme at this institution. The College inspires, motivates and challenges the teacher and the pupil alike, to the attainment of excellence in the field of legal education and emphasizes respect for human dignity and the inculcation of basic values crucial to the legal profession.

Courses offered: B. A. LL.B.- 130, LL.B.-:98 and LL.M.- 36

Faculty strength: 19

- **Achievements of the College:** Reaccredited with “A” grade by NAAC with a score of 3.29
- College is a Center for Excellence awarded y Society of Law Firms, India
- College is a Recognized Research Center

International Collaborations

- Faculty of Law University of Lisbon , Portugal
- Indian Society of International Law , New Delhi.
- World Mediation Organization

Recognition for Special Grants

Conferences/workshops organized: (Nos. Only)

National level:01

Publication :

Publications	International	Indian	Total
Research Papers in Journals	4	10	14
Research Papers in edited Books		2	2
Research papers in Conference Proceedings	2	12	14
Total	6	24	30

Papers Presented in Conference/Seminars/Workshop:

Abroad	Within India	Within Goa
9	13	26

Papers presented in Conference/Seminars/Workshops:

Abroad: 09 within India: 13 within Goa: 26

No of Teachers who obtained Research Degree during the year:

Ph.D. : 01

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	06	03	07	--	--	--	16
State	1				01		02
Inter-University	1						01
National	3						03
International	1	01					02
Total	12	04	07	--	01	--	24

Details of Sports Achievements at National and International level only

Name of the student	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer
Pritesh Korjuvekar	Power lifting	International Powerlifting Championship	Indian Powerlifting Association

5.32 Govind Ramnath Kare College of Law, Margao**Year of Establishment:** 1979.**College Address:** P.O. Box No. 777, Tansor, Comba, Margao-Goa, 403601**Principal's Details:****Name:** Dr. Saba V. M. Da Silva**Contact No:** 918275540890**E-mail:** principal.grkcl@vvm.edu.in**College website:** www.grkarelaw.edu.in.**Vision and Mission Statement:****Vision** – To be a centre of excellence providing quality legal education and to develop professionalism with social commitment**Mission** – To lead the way in legal education through innovative teaching and learning experiences and to create legal professionals with qualities of commitment towards society, social justice and ethical values.**Courses offered and sanctioned strength:**

- L.L.B. (Degree) – sanctioned-180; Filled- 125,
- L.L.B. (Hons.) – sanctioned-300; Filled- 174,
- LLM – sanctioned-80; Filled- 50.
- Ph. D. - sanctioned-08; Filled-04

Any new course started : Ph. D.

Faculty positions: 08.

Achievement of the College:

Commencement of Research Centre

Conference/Workshop Organized:

State Level:01

Publications: (Only Publications in ISSN/ISBN journals/ books)

Publications	International	Indian	Total
Research papers in Journals	--	01	01
Total	--	01	01

Papers Presented in Conference/Seminars/Workshop:

Abroad	Within India	Within Goa
--	04	04

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter collegiate	04	03	01	01	--	--	09
Total	04	03	01	01	--	--	09

5.33 Goa Dental College and Hospital, Bambolim

Year of Establishment: 1980

College Address: Goa Dental College & Hospital,
Bambolim Goa: - 403 202.

Principal's Details: Dr. Ida De Noronha De Ataide, Dean, H/9, Landscape City,
Alto Porvorim-Goa-403 521.

College Website: <http://gdch.goa.gov.in>

Courses offered & sanctioned strength: BDS – 40 seats, MDS- 15 seats

Faculty strength: 46

Conference/Workshop Organized:

National Level- 01. Within Goa- 02

Publications:

Publications	International	Indian	Total
Oral Medicine & Radiology	03	12	15
Orthodontics	04	17	21
Conservative Dentistry & Endodontics	05	06	11
Public Health Dentistry	01	01	02

Books

Books	National	India	Total
Public Health Dentistry	01	--	01

Research Papers in Conference Proceeding

Publications	National	Within India	Total
Oral Medicine & Radiology	-	01	01
Orthodontics	-	-	04
Conservative Dentistry & Endodontics	-	04	-
Public Health Dentistry	-	01	02

5.34 Goa College of Architecture, Altinho, Panaji**Year of Establishment:** 1982**College Address:** Goa College of Architecture, Altinho, Panaji, Goa.**Principal's Details:****Name:** Dr. A. K. Rege**Contact No:** 091 (0832)2227144, 2436435**Email:** arch.principal@unigoa.ac.in, gca.principal@gmail.com**College website:** <http://gcarch.goa.gov.in> & [Email ID](mailto:arch.principal@unigoa.ac.in)**Vision and Mission Statement:**

Vision: To establish a cultural climate to promote and encourage learning attitude within the college community and to initiate a process for establishing of a language of architecture that is relevant to Goa in this millennium.

Mission: To educate the students in the subjects of architecture with in the given cultural context. To equip them with the knowledge and skills required to make meaningful, innovative and appropriate interventions in to the environment through building design. To instill in them the competence and confidence to enable them to contribute in innovative and constructive ways to the development of Goa and India.

The Citizen's Charter gives insight in to our VISION FOR THE FUTURE, the STRATEGY for the development and the FACILITIES available in the institute.

Our aim is to take the location advantage of Goa and embark upon an expansion program with the aim of becoming one of the 10 top Institutes in the country by the end of this decade. With this perspective in the mind the new curriculum for B. Arch was introduced at the Under-Graduate level in the year 2013-14.

Courses offered, sanctioned and filled strength: Bachelors in Architecture (5 years degree course), Sanctioned strength 40 (+4), Filled strength 40.

Faculty strength: 11, Adjunct Professors:03, Contractual Faculty: 04

5.35 Goa College of Music, Altinho, Panaji

Year of Establishment: 1987

College Address: Dr. T. B. Cunha Educational Complex,
Altinho, Panaji – Goa.

Principal's Details:

Name : Dr. Shashank S. Maktedar (Offtg. Principal)

Contact No.: 2232507/2432528

Email : goacollegeofmusic@gmail.com
manabrupasreegoa@gmail.com

Vision and Mission Statement:

Aimed to provide a specialized training to the music focused students in all-important aspects of Hindustani Music with a special emphasis on developing his/ her performing ability to the professional standard.

Courses offered, sanctioned and filled strength:

- Foundation Course in Hindustani Classical Music (Vocal, Tabla and Harmonium) – sanctioned-45; filled-38
- Bachelor of Performing Arts – sanctioned- 28; filled-08,
- Master Performing Arts – sanctioned-06; filled-03

Faculty strength: 05

Any other Special Achievements of faculty and students:

- Nitesh Sawant (Faculty) State level First Price (PUNE) in Classical Vocal (Senior Category) and National 2nd Price (held at Lucknow)
- Nimisha Kurupath (Faculty) State Level First Price (GOA) in Classical Vocal (Senior Category)

5.36 Institute of Nursing Education, Bambolim

Year of Establishment: 1993.

College Address: Institute of Nursing Education, Opposite Military Workshop,
Bambolim-Goa

Principal's Details:

Name: Mrs. Carol Noronha

Contact No. : 0832 2458191 and 0832 2459727

Email: principal-ine.goa@nic.in

College website: www.dhsgoa.gov.in

Vision and Mission :

Believes that the core of nursing is the individual (sick or well)/family and community, therefore the nursing education programme run at the Institute of Nursing Education should primarily focus on meeting the health needs of the individual/ family/community.

Agrees that care is vital to the maintenance of a healthy life practice and to the recovery from illness/disease and though caring is universal - the expression, of caring is to be adapted to the cultural context of the individual/family.

Believes that effective communication is an essential basis for efficient client care and is imperative in public dealing.

Is of the opinion that the students can be developed as change agents, irrespective of their socio-economic background and cultural orientation.

Believes that education is a continuous learning process and that nursing education involves imparting nursing theory, development of skills and attitudes that assist students to perform her/his duties and assume professional responsibility and accountability as registered nurses.

Recognizes that optimum learning can occur in a stimulating, supportive environment in which frequent feedback motivates students to excel.

Agrees that efficiency in the teaching-learning process is enhanced by teacher's regularly updating their knowledge through participation in in-service-education programmes and other educational forums.

Believes that the curriculum should meet the changing health needs of society and hence needs to be reviewed regularly.

Courses offered, sanctioned and filled strength: B. Sc (Nursing Programme)-sanctioned-100; filled-100, M. Sc (Nursing Programme) - sanctioned-25; filled-03.

Faculty Strength: 32

Publications:

Publications	Foreign	Indian
Research papers in journal	01	01
Total	--	02

No. of teachers who obtained research degree during the year :Ph. D.:01

5.37 G. V. M's Dr. Dada Vaidya College of Education, Ponda

Year of Establishment:- 1993

College Address:- Farmagudi Ponda Goa 403 401

Principal's Details:

Name: Dr. Allan J. Abreo

Contact No. : 0832-2335089, 9422058395

Email: gvm.educol@gmail.com

College website: www.gvmcollege.com

Vision and Mission Statement:

Vision: We are committed to the professional development of teachers, both pre-service and in-service, for reflective, constructive and value-based teaching-learning employing both insight and technology within the ambit of the native socio-cultural perspective.

Mission: To achieve excellence in the professional development of teachers through:

Developing committed, technology savvy, value-based and research oriented teaching professionals.

Initiating them to lifelong learning and to innovative, interactive, activity-oriented and child-centred classroom teaching.

Training them to create an environment in educational and social milieus that would promote communication, cultural diversity and national integration

Orienting them to the service of the community for its educational and socio-cultural resurgence.

Courses offered & sanctioned and filled strength: Course: B.Ed. - 100

Faculty strength: 09

Any new course(s) started:

Research Centre (Ph.D. Education)

Diploma in Pre-Primary Teachers Training

Achievements of the college:

Recognised as Research Centre (Ph.D. Education) by Goa University from the academic year 2016-17 to 2018-19.

Conferences/Workshops organized:

State Level: 01

Papers presented in Conference/Seminars/Workshops:

Within India: 05

5.38 B. S. P's Gomantak Ayurveda Mahavidyalaya & Research Centre, Shiroda

Year of Establishment: 1993

College Address: Vajem, Shiroda – Goa. 403103.

Principal's Details:

Name: Dr. Anura P. Bale

Contact No. :9822589751

Email: baneanura@rediffmail.com

College website: www.gamrc.org

The NAAC accreditation Status

Whether accredited: ---

Score and Grade

Round of accreditation

Courses offered, sanctioned and filled strength:

B.A.M.S. -Bachelor of Ayurveda Medicine and Surgery (Ayurvedacharya), 60 Seats

Faculty strength: 36

Achievements of the College:

- Research Centre Inaugurated on 5th November 2016

Sponsored Research Projects sanctioned ongoing and completed during June 2016 and May 2017.

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed
01	Dr. Sangram Keshari Das	Establishment of Herbal Garden	18.03.15 F.No.-Z 18017/188/ CSS/HG/GOA -01/2014-15 1 year	National Medicinal Plant Board, New Delhi	2 Lakhs	Ongoing

Conferences/workshops organized:

State level:04

Publications:

Publications	International	Indian	Total
Research papers in journals	--	08	08
Total	--	08	08

Papers presented in conference/Seminar/ Workshops:

within India: 05 within Goa: 02

Invited lectures:

Abroad:01 within India: 06 within Goa: 10

Awards/Honours:

Name of the faculty member	Title of the Award/Honours	Name of Agency/Institution sponsoring the award.
Dr. Anil V. Panse	Dhanwantari Award	Arogya Bharati and Directorate of Health Services, Goa on 28 th Oct., 2016

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter collegiate	---	----	----	---	01	----	01
Total	----	---	----	---	01	----	01

Any other Special Achievements of faculty (Maximum of major achievements from one College/Institution)

- Dr. Neelesh Korde, H.O.D. Rachana Sharir Department delivered lecture at U.K.

5.39 Goa Medical College, Bambolim

Year of Establishment:1963.

College Address: Bambolim-Goa, 403 202

Principal's Details:

Name:Dr. Pradeep G. Naik

Contact No: 0832-2458727

E-mail: dr.naikp@gmail.com

Website: www.gmc.goa.gov.in

Vision and Mission Statement: Presently, Goa Medical College have 150 MBBS seats. We are aiming to increase number of students 250 in near future after increasing requisite facilities in Goa Medical College.

Course offered and sanctioned strength:

MBBS- sanctioned 150, filled 150,

Post Graduate Courses- (MS/MD)

Degree- sanctioned: 83, filled: 61

Diploma –sanctioned :26, filled : 20

M. Ch. Neurosurgery- sanctioned: 2, filled: 2.

Faculty strength: 198

Achievements of the College:

Sr. No.	Department	Achievements
1.		Goa Medical College granted Recognition of Permission for 150 MBBS seats from the academic 2017-18 by the Medical Council of India, New Delhi.
2.		ICMR Scholarship for conducting research under faculty. Five students were selected out of 20 students applied for ICMR Scholarship.
3.	Medicine	The Geriatric OPD, better known as the senior citizens OPD was started on the first Saturday of September, 5 th September 2015.
4.	Psychiatry	Institute of Psychiatry and Human Behaviour, Bambolim Goa is in receipt of funds under Scheme- A(Establishment of Centres of Excellence) of the Manpower development Schemes under National mental Programme.

Conferences/ Workshop Organized:

Department	State Level	National Level
PSM	2	1
Anaesthesiology	1	-
Orthopaedics	2	-
Paediatrics	-	6
OBG	-	1
Medicine	-	2
Skin & VD	1	-
Total	6	10

Publications:

Publications	International	Indian	Total
Research papers	4- Pulmonary Medicine 5- Pathology 1- Microbiology 8-PSM 9-Medicine 5-Anaesthesiology 1-Ophtalamology 2-Neurosurgery 4-Psychiatry 1-Paediatrics	6- Pulmonary Medicine 5- Pathology 3-OBG 2-Psychiatry 13-PSM 3-Medicine 5-Anaesthesiology 1-Ophthalmology 1-Neurosurgery 1-Microbiology 3-Paediatrics	73
Research papers in Conference Proceeding		10-PSM	10
Total	40	43	83

Papers presented in Conferences/ Seminars/Workshops:

Abroad	Within India	Within Goa
2-PSM 3-Pathology 1-Skin & VD	1-Physiology 2- Pulmonary Medicine 3- Pharmacology 4- Skin & VD 10-PSM 2-Biochemistry 1-Paediatrics	8-PSM 6-Pathology 6-Ophthalmology
Total = 6	23	20

Awards/Honours:

Name of the faculty member	Title of the Award/Honours	Name of Agency/ Institution sponsoring the award.
Dr. Umesh Kamat	-Best Oral Paper at GIMACON 2016 -Best Oral Paper at XIX APCRICON	-IMA Goa -APCRI 2017

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-Collegiate	02		01		02		05
State	02	02	01				05
Total	04	02	02		02	-	10

Any other Special Achievements of faculty and students

- Dr. Francisco Couto, Associate Professor in Pathology won International Academy of Pathology Gold Medal - Life Time Achievement for Pathology Education & Research Worldwide

5.40 Shri Kamaxidevi Homoeopathic Medical College & Hospital, Shiroda

Year of Establishment: 1998

College Address: “Shiv-Shail”, Shiroda, Goa – 403 103.

Principal's Details:

- Name : Dr. Satyawan D. Naik
- Contact No : (O) 0832-2306842/2307441, (M) 09764264600
- Email : drsdnaik01@gmail.com
- College website : www.homoeopathycollege.org.in

Vision & Mission Statement: Vision: To achieve excellence in Homoeopathic Education with Research and service to Humanity in Health care.

Mission:

- To Stimulate the Academic Environment in the institution for promotion of quality teaching, learning and research in homoeopathy.
- To develop this institution as a centre of excellence in education and research.
- To inculcate skill base clinical training practices that exemplifies excellence in health care with global standards.
- To make homoeopathy the defining mode of treatment in health care in the society.
- Service to the society with human touch and moral values.

Course offered: BHMS Degree, **Sanctioned** -50; **Filled** - 50

Faculty Strength: 18

Achievements of the College:

- 10 years celebration of MOU with Switzerland Homoeopathic Medical College, Switzerland.

Conferences/Workshops organized:

State Level : 03

National Level : 01

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
No.s Only (No. of Papers)	No.s Only (No. of Papers)	No.s Only (No. of Papers)
--	01	01

Invited lectures given by the faculty

Abroad	Within India	Within Goa
No.s Only (No. of lectures)	No.s Only (No. of lectures)	No.s Only (No. of lectures)
--	01	01

Awards:

Name of the faculty member	Title of th Award	Name of Agency/Institution sponsoring the award.
Dr. S.D.Naik Dr. Francisco Fernandes	National Award National Award	Dept. of AYUSH, Govt. of India. Dept. of AYUSH, Govt. of India.

5.41 National Institute of Hydrography, Vasco-Da-Gama

Year of Establishment: 29th November 1977.

College Address: National Institute of Hydrography, c/o Headquarters, Goa Naval Area, Vasco-da-Gama 403 802

Principal's Details:

Name: Capt. Tarit Prakash Mahato

Contact No.: 9421598034, 0832-2582800

Website: info-nih.goa@nic.in

Vision and Mission Statement: Knowledge Begets Precision.

Courses offered and sanctioned strength: Post Graduate Certificate-08, Post Graduate Diploma-08, Master of Science in Hydrography-05.

Faculty Strength: Officers-08.

Invited Lecture given by the Faculty: Within Goa: 02

5.42 Padre Conceicao College of Engineering, Verna

Year of Establishment: 1997.

College Address: Padre Conceicao College of Engineering, Agnel Ganv, Verna, Goa.403 722

Principal's details

Name: Dr. Mahesh B. Parappagoudar

Contact No.: 0832-2791266 Extn 101

Email: principal@pccegoa.org

Website: www.pccegoa.org

VISION AND MISSION STATEMENT:

Vision: To grow into a Centre of Excellence in Engineering Education and Research and promote Padre Conceicao College of Engineering brand of engineers well known for their competence and integrity.

Mission: To provide excellent infrastructure in terms of faculty, laboratories, library and other facilities required for curricular and extra-curricular activities. To provide the best work culture and academic ambience with avenues for all-round personality development of students. To work closely with industry and other organizations involved in nation building and societal development. To continue to remain in the forefront as an institution of first preference for all its stakeholders.

Courses offered and sanctioned & filled strength:

- Bachelor of Computer Engineering – 63, filled-63;
- Bachelor of Electronics and Telecommunication Engineering – 63, filled- 63;
- Bachelor of Mechanical Engineering – 63, filled-63;
- Bachelor of Information Technology – 63, filled-63;
- Master of Engineering in Information Technology – 18, filled-13.

** 5% additional intake against AICTE Tuition Fee Waiver scheme for women, economically backward and physically handicapped meritorious students.*

Faculty strength:46.

Conferences/Workshops Organised:

State Level :09

National Level: 01

Publications:

Publications	International	Indian	Total
Research Papers in Journals	10	--	10
Research Papers in Conference Proceedings	--	09	09
Total	10	09	19

Papers presented in Conferences/Seminars/Workshops:

Abroad: 01

Within India: 11

Within Goa:02

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter collegiate	--	02	01	01	--	02	06
Total	--	02	01	01	--	02	06

Any Other Special Achievements Of Faculty: Dr. Stephen Dias Barreto, Professor – Mathematics and HOD, Basic Sciences and Humanities, was invited as a Visiting Scientist by the Department of Mathematics and Statistics of Memorial University of Newfoundland, St. John's, Canada, from 20th November to 9th December 2016.

5.43 V.V.M's H.M.N. Gaunekar Institute of Management Training And Research, Comba, Margao

Year of Establishment: 1981

College Address: Shree Damodar College Complex, Govind Ramnath Kare Road,
P.O. Box 413, Tansor, Comba, Margao- Goa 403 601

Principal's Details:

Name: Atul Shah (Director)

Contact No: 6482030/2732663,9823617362

Email: imtrgoa@gmail.com, atulkiran@rediffmail.com

College Website: www.imtrgoa.com

Vision and Mission Statement:

Vision: To be the foremost Institute imparting Training for the working sector in the Country.

Mission: To provide avenues for education and training for adults and working professionals to enhance personal and Organizational effectiveness and increase job satisfaction.

Faculty Strength:01

5.44 Shree Rayeshwar Institute of Engineering & Information Technology, Shiroda

Year of Establishment: 2001

College Address: Shivshail, Karai, Shiroda Goa 403 103

Principal's Details:

Name: Prof.(Dr.)Surendra Rahamatkar

Contact No: 0832 2307001, 2307032

Email: principal.ritgoa@gmail.com

Website: www.ritgoa.ac.in

Vision and Mission Statement:

Vision: To be competent leaders in professional education with an emphasis in moulding the students as global professionals with sound technical knowledge, values and ethics for the benefit of the society.

Mission: To achieve academic excellence in technical education by creating a dynamic learning atmosphere through the state of the art infrastructure with qualified and committed staff, promoting research and development, best practices, implementing innovation technology in education and training, motivating the students to become successful competent engineering professionals to face the rapid challenges in technical development and industrial economic growth.

Courses offered and Sanctioned strength:

- Electronics & Telecommunication Engineering–Sanctioned - 63, filled - 59;
- Computer Engineering–63, filled - 63;
- Information Technology – 63, filled - 62.

Faculty Strength: 48.

Achievements of the College:

- Collaborated with Infosys India Ltd. Under Campus Connect Program.
- Recognised by Tata Consultancy Services Ltd. & Microsoft India Ltd.

Details of International Conferences/Workshops organized:

- National Level Technical Exhibition Techtwister-2017 organised on 11th April 2017.

Conferences/Workshops Organized:

National Level: 01

Publications:

Publications	International	Indian	Total
Research papers in journals	05	-	05
Research papers in Conference Proceedings	02	-	02
Total	07	-	07

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
Nil	02	05

Sports Achievements: (Note: Specify only number of winners)

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	-	-	-	-	-	01	01
State	-	-	01	-	-	-	02
Total	-	-	01	-	-	01	02

5.45 P. E. S. College of Education, Farmagudi, Ponda**Year of Establishment:** 2004.**College Address:** P.O.Box No. 3, Farmagudi, Ponda Goa 403 401.**Principal's Details:****Name:** Dr. Geeta Mahadevan Iyer**Contact No.:** 9970820138**E-mail :** princi_pescoe@yahoo.in**College Website:** www.pescoe.com

The NAAC accreditation Status

Whether Accredited **NO**Score and Grade **N.A**Round of Accreditation **N.A****Courses offered and Sanctioned strength:** B. Ed. – sanctioned-200; filled-196.**Faculty Strength:**07

Publications:

Publications	Cat-I	Cat-II	Cat-III	
Research papers in journals	UGC Recognized (Foreign Publisher)	UGC Recognized (Indian Publisher)	ISSN ISBN 81-8324- 654-0	01
Research paper in journal	No.s only	No.s only	No.s only	
Books/Edited Books	Foreign Publisher	Indian Publisher	Local Publisher	
a) Research papers in Edited Books	No.s only	01	No.s only	
b) Books	No.s only	No.s only	No.s only	
Research Papers in Conference	International	National 1	Local	01
Proceedings	No.s only	No.s only	No.s only	
Total		02	01	02

Invited Lectures given by the Faculty :

Abroad	Within India	Within Goa
0	0	02

5.46 Victor Medical & Research Foundation's College of Nursing, Margao**Year of Establishment:** 2005**College Address:** VMRF College of Nursing, Malbhat, Margao, Goa.**Principal's Details:****Name:** Mrs. Vendy Pimenta(offctg. Principal)**Contact No.:** 0832-2720071/ 2720062**Email:** vmrf_college@yahoo.co.in**College Website:** www.goanursing.com**Vision and Mission Statement:** To prepare nursing graduates who are capable of providing holistic, quality nursing care anywhere in the world without any discrimination.**Courses offered & Sanctioned Strength:** (Basic) B.Sc Nursing-30 (4 years course) : 30 seats per annum (course is being discontinued,college had only 3 batches of students for the academic year 2014-15. No new batch was admitted.**Faculty strength:** 12

5.47 Vrundavan Institutes of Nursing Education, Colvale, Bardez- Goa.

Year of Establishment: 2007.

College Address: Near Binani Glass Fibre Pvt. Ltd.,
Mushir Wado, Colvale, Bardez-Goa. 403 513.

Principal's Details:

Name: Prof. J. Sivakami

Contact No.: +918411983279, 09225988570

Email: sivakamejaya@gmail.com, vinegoa@yahoo.co.in

College Website: www.vrundavaninstituteofnursing.com

Vision and Mission Statement: To prepare service oriented nurses to provide quality health care.

Course offered and sanctioned strength: B. Sc. Nursing – Sanctioned:50; filled:50

Faculty strength: 25

5.48 Institute of Psychiatry and Human Behaviour, Bambolim

Year of Establishment: 1980.

College Address: Institute of Psychiatry and Human Behaviour, Bambolim, Goa.

Principal's Details:

Name: Dr. Pradeep G. Naik,

Contact No: 9822127480

Email: dr.naik.p@gmail.com

College Website: www.iphb.goa.gov.in

Courses offered, sanctioned and filled strength: MD (Psychiatry)-2 years,
Diploma in Psychological Medicine (DPM)
Lectures for Psychiatry for MBBS students under UG curriculum.

Faculty strength: 7

Achievement of the College:

- Institute of Psychiatry and Human Behaviour, Bambolim Goa is in receipt of funds under Scheme – A (Establishment of Centres of Excellence) of the Manpower Development Schemes under National Mental Programme.

Publications:

Publications	International	Indian	Total
Research papers in Journals	--	04	04
Research papers in Conference Proceedings	01	--	01
Total	01	04	05

5.49 P. E. S's Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda.

Year of Establishment: 2007

College Address: Farmagudi, Ponda Goa 403 401

Principal's Details:

Name: Dr. S. N. Mamle Desai

Contact No: 8390773995

Email: smamledesai@rediffmail.com

College website: www.pespharma.in

Vision and Mission Statement: Our Mission :-The Mission is to provide a supportive environment for pharmacy education, training and research programs in Pharmaceutical Sciences and Practice at undergraduate, postgraduate and doctoral level to motivate the students for becoming key professionals to serve profession of pharmacy through effective teaching – learning process, enhancing quality of pharmaceutical education, encouraging innovations and research, inculcating problem-solving approach and leadership skills in students to provide service to community, profession and the nation.

Vision: Our vision is to become centre of excellence in Pharmaceutical education, research and technologies.

Courses offered, Sanctioned & filled strength: First year B.Pharm, Sanctioned strength is 60+(3 AICTE Tuition Fee Waiver Scheme), Filled strength=63,

Second year B.Pharm sanctioned strength is 63 (of 1st year B.Pharm) + 06 seats directly admitted to S.Y. B.Pharm who have passed out Diploma in Pharmacy-total 66 seats & M.Pharm in Pharmaceutical Chemistry- sanctioned strength is 15 seats while filled strength is 15 seats and M.Pharm in Pharmaceutics- sanctioned strength is 15 seats while filled strength is 15 seats.

Faculty Strength:17

Achievements of the College: (only Institutional achievements should be mentioned): In the 9th year of existence, the College has been placed in the band of 51-75 by National Institute Ranking Framework (NIRF), MHRD, Government of India.

Publications: (only publications in ISSN/ISBN journals/books) :

Publications	International	Indian	Total
Research papers in journals	04	24	28
Research papers in conference proceedings	--	10	10
Books	01	--	01
Total	05	34	39

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	03	03

No. of teachers who obtained research degree during the year: Ph.D.:02

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	-	-	01	-	-	-	01
Total	-	-	01	-	-	-	01

5.50 Don Bosco College of Engineering, Fatorda, Margao

Year of Establishment: 2011

College Address: Fatorda, Margao, Goa 403602

Principal's Details:

Name: Dr. Neena S. P. Panandikar

Contact No: 9823625216

Email: principal@dbcegoa.ac.in

College website: www.dbcegoa.ac.in

Vision and Mission Statement:

Vision Statement: The Salesian community of Don Bosco, Fatorda becomes a point of reference for all Youth, especially of the neighbourhood, where Youth will see and receive assistance with regard to their integral development (more than a centre for recreation). A place also for spiritual animation, vocation guidance, counseling, recruitment services, technical, leadership skills. Making Youth Evangelizers of youth.

Mission Statement:

The community constantly endeavors to spread God's kingdom through innovative methods of education and activities oriented towards holist development and dignified livelihood by: By being a witnessing community, Empowering youth to be evangelizers, Bringing about spiritual renewal, Networking, Exploring and exploiting the opportunities available for livelihoods.

Courses offered, sanctioned and filled strength:

- Mechanical Engineering-sanctioned-63 & filled-63,
- Electronics & Telecommunication Engineering-sanctioned- 63 & filled-63,
- Computer Engineering-sanctioned- 63 & filled-63,
- Civil Engineering- sanctioned-63 & filled – 63.

Faculty strength: 50

Sponsored Research Projects sanctioned, Ongoing and Completed during June 2016 and May 2017.

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
1	Prof. Suraj Marathe	Skill Development Program (PMKVY)	20/3/2017 1 year	All India Council for Technical Education	3.24 Lakhs	YES
2	Prof. Ajit Salunke	Research Lab	31/3/2017	Turbocam	1.5 Lakhs	YES
3	Prof. Norman Dias	Online Road Safety Quiz	January 2017 till May 2017	Goa Police	Rs. 10,000/- only	YES

Conferences/Workshops Organized:

State Level: 03

National Level: 06

Achievements of the College:

- Memorandum of Understanding with Federation of Indian Chambers of Commerce & Industries (FICCI) and Don Bosco College of Engineering signed on 14/10/2016.
- Memorandum of Understanding with Lusophone Society of Goa (LSG) and Don Bosco College of Engineering signed on 27/03/2017.

Sponsored Consultancy Work undertaken:**Department of Mechanical Engineering:**

Skill Development Centre initiated under Pradhan Mantri Kaushal Vikas Yojana (PMKVY) and 6 months Program for 60 employees of Godrej was conducted in 2016-2017.

Conferences/Workshops Organized:

State Level: 05 National Level: 06

Publications:

Publications	International (nos only)	Indian (nos only)	Total
Research papers in journals	48	04	52
Research papers in Conference Proceedings	04	02	06
Total	52	06	58

Papers presented in Conferences/Seminars/Workshopss:

Abroad	Within India	Within Goa
--	04	02

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter -Collegiate	2	2	1	-	-	1	6
State	-	-	-	1	-	-	1
Total	2	2	1	1	-	1	7

Any other Special Achievements of faculty and students:

- Dr. Neena S. P. Panandikar, Principal, DBCE has been conferred FIE membership by Institute of Engineers (India).

5.51 Goa College of Hospitality and Culinary Education, Cidade de Goa, Vaiginim Beach.

Year of Establishment: September, 2011

College Address: Cidade de Goa, Vainguinim Beach, Goa – 403 004.

Principal's Details:

Name: Mrs. Zarine Lobo

Contact No: 9850902471

Email: principal_ghc@cidadedegoa.com

College Website: www.goahospitalitycollege.com

Courses offered, sanctioned & filled strength: Bachelor in Business Administration (Hospitality & Culinary Management): Sanctioned Strength-104, Filled in Strength- 94

Faculty Strength: 04

5.52 Agnel Institute of Technology and Design, Assagao, Bardez

Year of establishment: 2012

College Address: Agnel Technical Education Complex, Assagao, Bardez, Goa.

Principals Details:

Name: Dr. V. Mariappan

Contact No: 0832-2268642/2268032

Email: vm.aitdgoa@gmail.com

College website: www.aitdgoa.edu.in

Vision and Mission:

Vision: Towards the full realization of our enduring core values committed to our society and nation, provision of education at par excellence considering all segments of our versatile society, continual enhancement in academic research coupled with back-end industrial induction – Agnel Institute of Technology and Design will strive to evolve to be a centre of academic excellence which will mould all its aspirants adaptable to dynamic needs of society and innovations with its traditional touch of work ethic, dedication and dignity.

Mission:

To become one among the preeminent technical institutes of the nation.

To strive constantly to enhance and sustain quality in teaching-learning, research and industrial practice with societal well-being at the forefront.

To emerge as the sole Engineering institute in the state of Goa, based on industrial research and innovation.

To provide the right mix of innovation, work ethic and dignity in the service of society.

Courses Offered, sanctioned and filled strength:

- Mechanical Engineering-Sanctioned – 63 & filled-63,
- Computer Engineering-Sanctioned – 63 & filled-63,
- Electronics & Communications Engineering-Sanctioned – 63 & filled-63.

Faculty Strength: 51

Sponsored Consultancy Work sanctioned during the reporting period

Name of faculty member	Name of consultancy project	Name of the sponsor	Duration of consultancy	Amount
Prof. Saish Rivankar	Testing of Weld Samples for Welder Qualifications	Creative Manufacturing solutions India Pvt. Ltd. Tuvem Ind. Estate	2 days	INR 8260/-

Conferences/Workshops Organized (No.s only)

National Level: 02

Publications:

Publications	International	Indian	Total
Research papers in journals	28	08	36
Research papers in Edited Books	01	-	01
Total	29	08	37

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	01	01

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter- Collegiate	01	03	01	--	01	--	06
Total	01	03	01	--	01	--	06

5.53 Vidya Prabodhini College of Commerce Education, Computer and Management, Porvorim

Year of Establishment: 2012.

College Address: Vidyanagar, Porvorim, Goa. 403521

Principal's Details:

Name: M. R. Patil

Contact No.: 9420979228, 0832-2413600,

Email: vidyaprabodhinigoa@gmail.com, info@vidyaprabodhnicollege.edu.in

College Website: www.vidyaprabodhnicollege.edu.in

Vision and Mission:

Vision: Excellence Everywhere Everytime

Mission: To create and develop a quality learning environment through the integration of conceptual knowledge, application of skills, basic human values and field realities, thereby nurturing competent, value based and resourceful citizens, who selflessly contribute to Nation Building by serving the Nation above self.

Courses offered, sanctioned and filled strength: B. Com. – Sanctioned: 360,

Filled: 303, B.A.B.Ed.- Sanctioned: 200, Filled:183.

Faculty strength: 17

Achievements of the College: Only institutional achievements should be mentioned.

- Signed MOU with Emerge Vocational Skills Pvt. Ltd, Chennai

Conference/ workshop Organised:

State Level: 03

National Level: 01

Publications:

Publications	International	Indian	Total
Research papers in journals	02	07	09
Research papers in Edited Books	--	01	01
Research papers in Conference proceedings	01	04	05
Books	02	--	02
Total	05	12	17

Papers presented in Conferences/Seminars/Workshops:**Within India:15 Within Goa:02****Sports Achievements:**

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter- Collegiate	2	2	7		1	1	13
State	--	--	--	--	1	--	01
National						1	01
Total	2	2	7		2	2	15

Details of the Sports Achievements at National and International Level only

Name of the Student	Medal Won			Name of the Event Participated in	Name of the tournament with date	Name of the organizer
	First Place	Second Place	Third Place			
Mast Nehal N. Parab	2 nd Runners Up			Tennis Ball Cricket	27 th Senior National Tennis Ball Cricket Championship, 10 th to 13 th February, 2017	Jammu & Kashmir TB Cricket Association, & J & K Sports Council

5.54 V. M. Salgaocar Institute of International Hospitality Education**Year of Establishment:** July 2014**College Address:** Manora, Raia, Salcete, Goa**Principal's Details:****Name:** Prof. Irfan S. Mirza, Director/Principal**Contact No:** 7720023201, 0832-6623000**Email:** irfan.mirza@vmsiie.edu.in**College website:** www.vmsiie.edu.in**Vision and Mission Statement:****Vision:** To be the best educational institute in International Hospitality Management creating world class leaders committed to excellence.**Mission:** The advancement of knowledge and leadership and to develop the full intellectual and human potential of students through a commitment to excellence in learning, teaching and collaboration with industry.**Courses offered, sanctioned and filled strength:** B.Sc. International Hospitality Management, **sanctioned:** 120; **filled:** 58**Faculty strength:** 06**Achievements of the College:**

Our Institute was awarded 'Swachtam Mahavidyalaya award' a prestigious award for the cleanest college in Goa.

5.55 Harmal Panchakroshi Shikshan Mandal's Ganpat Parsekar College of Education

Year of Establishment : 2015

College Address : Bhom Plateau, Harmal – Pernem Goa 403524

Principal's Details

Name : Mr. Udes R. Natekar (Officiating)

Contact No : 9823232629

Email: ganpatparsekareducation@hotmail.com

College website: www.ganpatparsekareducation.com

Vision and Mission Statement:

Courses offered, sanctioned and filled strength: B.Sc.B.Ed, sanctioned strength: 50each, Filled strength: 137

Faculty strength: 05

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	01	--	02	--	--	--	03
National	--	--	--	--	03	--	03
Total	01	--	02	--	03	--	06

Details of the Sports Achievements at National and International Level only:

Name of the student/ captain of the team	Name of the event in which participated (sports/games)	Name of the Tournament/ Sports event with date	Name of the organizer	Place Won 1 st /2 nd /3 rd
Ms. Khushvi Naik	Women's Cricket	4 th West Zone Tennis Ball Cricket Championship 2016 – 17 Date 26 th – 28 th June 2016	Antruz Art & Sports Academy (Regd) Ministry of Youth Affairs & Sports, Govt of India	1 st
Mr. Gauresh Nagvekar Ms. Clency Fernandes	Men's Cricket Women's Cricket	27 th Senior National Tennis Ball Cricket Championship 2016 – 17 Date 10 th – 13 th Feb 2017	J & K Tennis Ball Cricket Association & J & K State Sports Council	2 nd Runners up

5.56 Don Bosco College Of Agriculture

Year of Establishment:2015

College Address: Sulcorna, Quepem Goa. 403 705

Principal's Details:

Name:Dr. Gourish R. Karanjalker

Contact No:9764759914

Email:dbcprincipal@gmail.com

College website:www.donboscollegeofagriculture.com

Courses offered, sanctioned and filled strength:BSc. (Agri) 4 year Degree course

F.Y.BSc.:40, S.Y. BSc.:38

Faculty strength: All Appointments were on Contract

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
-	01	-

5 C. RECOGNISED INSTITUTIONS

List of Recognised Institutions:

5.57 Xavier Centre of Historical Research, Alto Porvorim

Name of the Director: Savio Abreu S. J.

Year of Establishment: 1977

Website: www.xchr.in

Faculty/Scientist strength: 03

Courses/Degree for which the Institution is recognised: Ph.D. in History

5.58 National Institute of Malaria Research, New Delhi.

Name of the Director: Dr. Neena Valecha (Officer-In-charge)

Year of Establishment: 1977

Website: www.mrcindia.org

Faculty/Scientist strength: 50

5.59 Directorate of Archives & Archaeology, Panaji Goa.

Name of the Director: M. L. Dicholkar

Year of Establishment: 1995

Courses/Degree for which the Institution is recognised: Ph.D. degree.

Website: <http://www.daa.goa.gov.in>

5.60 National Institute of Oceanography, Dona Paula, Goa

Name of the Director: Dr S. W. A. Naqvi

Year of Establishment: 1966

Courses/Degree for which the Institution is recognised: Ph. D. in Marine Science.

Website: <http://www.nio.org>.

Faculty/Scientist strength: 134.

5.61 Earth System Science Organisation-National Centre for Antarctic & Ocean

Research (ESSO-NCAOR), Vasco-Da-Gama

Year of Establishment: 1998

Name of the Director: S. Rajan

Courses/Degree for which the Institution is recognised: Ph. D. degree

Website: www.ncaor.gov.in.

Faculty/Scientist strength: 11 (Regular) 42 (Contract)

5.62 Thomas Stephens Konknni Kendr, Porvorim

Name of the Director: Apolinasio Cardozo

Year of Establishment: 1982

Courses/Degree for which the Institution is recognised: Konkani Research work.

Website: www.tskk.org.

Faculty/Scientist strength: 6.

5.63 Fisheries Survey of India, Government of India, Ministry of Agriculture,

Department of Animal Husbandry, Dairying & Fisheries, Mormugao

Zonal Base, Mormugao Goa.

Name of the Director: D. M. Ali

Year of Establishment: 1972

Courses/Degree for which the Institution is recognised: Ph. D.

Email: fsimormugaobase@gmail.com

Website: www.fsi.gov.in

Faculty/Scientist strength: 3.

5.64 Syngenta Biosciences Pvt. Ltd. Santa Monica Works, CorlimIlhas,

Goa, 403 110.

Name of the Director: Dr. Bhanu Manjunath

Year of Establishment: 2005

Courses/Degree for which the Institution is recognised: Ph. D.

Website: www.syngenta.com

Faculty/Scientist strength: 87

5.65 ICAR, Research Complex for Goa Ela, Old Goa, 403 402.

Name of the Director: Dr Narendra Pratapsingh

Year of Establishment: 1989

Courses/Degree for which the Institution is recognised:

Website: www.icargoa.res.in

PART 6:

AWARDEES AND RANK HOLDERS

6.1 Ph. D. Awardees : Faculty Wise List

FACULTY OF LANGUAGES			
Sr. No.	Candidate Name	Subject	Guide Name
01	Dr. Layla Maria Mascarenhas	English	Dr. Andre Rafael Fernandes
02	Dr. Mahammadrafi H. Hanchilan	Hindi	Prof. Vrushali S. Mandrekar
03	Dr. Cosma Fernandes	Konkani	Dr. Chandralekha D'Souza

FACULTY OF LIFE SCIENCES			
Sr. No.	Candidate Name	Subject	Guide Name
01	Dr. Lira Menezes Gama	Economics	Prof. Silvia Noronha
02	Dr. Sachin Savio Moraes	Sociology	Prof. Ganesha Somayaji
03	Dr. Arvind Narayan Haldankar	Sociology	Prof. Ganesha Somayaji
04	Dr. Sonal Thakker	Sociology	Dr. R. B. Patil
05	Dr. Sandhya Ram S. A	Law	Dr. M. R. K. Prasad

FACULTY OF LIFE SCIENCES			
Sr. No.	Candidate Name	Subject	Guide Name
01	Dr. Shuvankar Ballav	Biotechnology	Prof. Savita Kerkar
02	Dr. Ruchi Gupta	Biotechnology	Dr. Neelima Mishra
03	Dr. Surya Nandan Meena	Biotechnology	Prof. Usha Muraleedharan
04	Dr. Akmadevi alias Asha S. N.	Biotechnology	Prof. Usha D. Muraleedharan
05	Dr. Ravikiran Sukdeo Pagare	Botany	Prof. M. K. Janarthanam
06	Dr. Prajita A.	Marine Science	Dr. V. Purnachandra
07	Dr. Dhiraj Dhondiram Narale	Marine Science	Dr. A. C. Anil
08	Dr. Glejin Johnson	Marine Science	Dr. V. Sanil Kumar
09	Dr. Maria Carlos Fernanades	Marine Science	Prof. G. N. Nayak
10	Dr. Renjith Vishnu Radhan	Marine Science	Dr. P. Vethamony
11	Dr. Maheshwar Ramakant Nasnodkar	Marine Science	Prof. G. N. Nayak
12	Dr. Mani Murali R	Marine Science	Dr. P. Vethamony
13	Dr. Honey Abraham	Marine Science	Dr. K. S. Krishna
14	Dr. Guda Udhaba Dora	Marine Science	Dr. V. Sanil Kumar
15	Dr. Jacky Bhagat	Marine Science	Dr. B. S. Ingole
16	Dr. Cheryl A. N. e D'Mello	Marine Science	Prof. G. N. Nayak

17	Dr. Prakash Mehra	Marine Science	Dr. P. Vethamony
18	Dr. Supriya Nagesh Prabha Khorjuvenkar	Microbiology	Dr. S. B. Barbuddhe
19	Dr. Akshaya Arjun Bicholkar	Microbiology	Prof. Sarita Nazareth
20	Dr. Ravindra Tanaji Pawar	Microbiology	Dr. C. Mohandass
21	Dr. Sushma Shashikant Patil	Microbiology	Prof. Irene Furtado
22	Dr. Narayani Prasad Kar	Zoology	Dr. Nutan Nanda
23	Dr. Shantal G. Kamat	Zoology	Prof. R. Roy
24	Shaikh S. Bi. Mainoddin	Zoology	Prof. P. V. Dessai

FACULTY OF NATURAL SCIENCES

Sr. No.	Candidate Name	Subject	Guide Name
01	Dr. Neelima B.	Physics	Prof. K. R. Priolkar
02	Dr. Jaison Joseph	Physics	Prof. R. B. Tangsali
03	Dr. Kapil E. Ingle	Physics	Prof. K. R. Priolkar
04	Dr. Madhavi Zilba Naik	Chemistry	Prof. A. V. Salker
05	Dr. Kiran T. Dhavskar	Chemistry	Prof. B. R. Srinivasan
06	Dr. Shilpa Neenad Desai	Comp Sci & Tech	Dr. Jyoti Pawar
07	Dr. Sulaxana Ramlal Vernekar	Electronics	Prof. Gaurish M. Naik

FACULTY OF COMMERCE AND MANAGEMENT

Sr. No.	Candidate Name	Subject	Guide Name
01	Dr. Neelima B.	Physics	Prof. K. R. Priolkar
02	Dr. Jaison Joseph	Physics	Prof. R. B. Tangsali
01	Dr. Vilas Govind Waikar	Management Stu.	Dr. Purva G. Hegde Desai
02	Dr. Wilson Nicolau Fernandes	Management Stu.	Dr. R. Nirmala
03	Dr. Pankaj Kumar	Management Stu.	Dr. R. Nirmala
04	Raina Maria Oliveira Pinto	Management Stu.	Prof. Nandakumar Mekoth
05	Dr. Santana Fernandes	Management Stu.	Dr. Filipe Rodrigues
06	Dr. Shami Ramchandra Pai	Commerce	Dr. I. Bhanu Murthy
07	Dr. Lina Ranjit Sadekar	Commerce	Dr. I. Bhanu Murthy
08	Dr. Carmelita A (D'Souza) D'Mello	Commerce	Prof. K. B. Subhash
09	Dr. Poornima B. G.	Commerce	Prof. Y. V. Reddy
10	Dr. Prabhakar Umesh Rane	Commerce	Prof. B. Ramesh
11	Dr. Radhamani M. Divakar	Commerce	Prof. Anjana Raju
12	Dr. Suraj Mosso Popkar	Commerce	Prof. Anjana Raju

6.2 List of Rank Holders

Sr. No.	Degree / Exam	Gender	Name of Students	Rank
1	M.A. English	F	Amrita S Iyer	First
2	M.A. English	F	Guarda Natasha	Second
3	M.A. English	F	Souza Alisha	Third
4	M.A. French	F	Dalvi Shourya Shanker	First
5	M.A. French	F	Oommen Zina	Second
6	M.A. French	F	Saiyed Rumana	Third
7	M.A. Portuguese	F	Barreto Loraine Ethel	First
8	M.A. Portuguese	F	Quadros Maria Caroline	Second
9	M.A. Portuguese	F	Vales Audrey Edociana	Third
10	M.A. Hindi	F	Dessai Rashmi Purushottam	First
11	M.A. Hindi	F	Shirodkar Siddhi Pramod	Second
12	M.A. Hindi	F	Mulla Nijawana Dastagirsab	Third
13	M.A. Marathi	F	Vasta Purva Pandit	First
14	M.A. Marathi	F	Naik Anjali Ashok	Second
15	M.A. Marathi	F	Mopkar Sushmita Narayan	Third
16	M.A. Konkani	F	Tari Pradnya Dhananjay	First
17	M.A. Konkani	F	Fernandes Agnes Rose	Second
18	M.A. Konkani	F	Raikar Utkarsha Govind	Third
19	M.A. Psychology	F	Matonkar Sweta Shyam	First
20	M.A. Psychology	M	Dcosta Melito	Second
21	M.A. Psychology	F	Cecilia Nisha De Xavier Carvalho e Costa	Third
22	M.A. Economics	M	D'Souza Adon Nelson Richard Rajiv	First
23	M.A. Economics	F	Fernandes Luciana	Second
24	M.A. Economics	F	Kerkar Pooja Prabhakar	Third
25	M.A. Political Science	F	Madar Yamnava Shivappa	First
26	M.A. Political Science	M	Sukhtankar Mohit Krishna	Second
27	M.A. Political Science	F	Desai Pradnya Mahendra	Third
28	M.A. Sociology	M	Antony Alphonse Xavier	First
29	M.A. Sociology	F	Agarwadekar Karishma Krishna	Second
30	M.A. Sociology	F	Antao Alisha Gilberta	Third
31	M.A. Women's Studies	F	Cardoz Steffi Maria	First
32	M.A. Women's Studies	F	Dias Kimberley Severina	Second
33	M.A. Women's Studies	F	Palekar Tanvi Basavaraj	Third
34	M.A. History	M	Naik Bhairali Sankalp Sarveshwar	First
35	M.A. History	F	D'Gama Uroila Amanda	Second
36	M.A. History	F	Da Costa Marushka Savia	Third
37	Master of Social Work	F	Bhat Anuradha Chandrashekar	First
38	Master of Social Work	M	Melwin Santosh Alert Pais	Second
39	Master of Social Work	F	Noronha Janessa Especiosa	Third
40	M.A. Tourism & Heritage Management	F	Singh Sushmita	First
41	M.A. Tourism & Heritage Management	F	Kaskar Shrutika Mahesh	Second
42	M.A. Tourism & Heritage Management	F	Muzawar Shahanana Bi Iqbal	Third
43	Bachelor of Library & Information Sci.	F	Nancy Waral L.	First
44	Bachelor of Library & Information Sci.	F	D'Mello Janessa Macklyn	Second
45	Bachelor of Library & Information Sci.	F	Fernandes Vanessa Lisette	Third

Sr. No.	Degree / Exam	Gender	Name of Students	Rank
46	Master of Library & Information Sci.	F	Naik Supriya Subhash	First
47	Master of Library & Information Sci.	F	Satarkar Karishma Khushali	Second
48	Master of Library & Information Sci.	F	Dessai Samikshah Shamba	Third
49	M.Sc. Electronics	M	Fernandes Melwyn Avelino	First
50	M.Sc. Electronics	M	Pinto Shawn Aaron John	Second
51	M.Sc. Electronics	M	Verma Phoolchand Guruprasad	Third
52	M.Sc. Applied Geology	M	Naik Anmol Nilkant	First
53	M.Sc. Applied Geology	M	Kelkar Akshay Arun	Second
54	M.Sc. Applied Geology	M	Chari Chinmay Narayan	Third
55	M.Sc. Physics	F	Gomes Tania Rifa	First
56	M.Sc. Physics	F	Raiker Akshaya Shanu	Second
57	M.Sc. Physics	F	Pillai Kirthanakrishnan Radhakrishnan	Third
58	M.Sc. Organic Chemistry	F	Gupta Seema Munna	First
59	M.Sc. Organic Chemistry	F	Gawade Deepika Ramdas	Second
60	M.Sc. Organic Chemistry	F	Naguram Priyanka	Third
61	M.Sc. Inorganic Chemistry	F	Sinari Unnati Ulhas	First
62	M.Sc. Inorganic Chemistry	F	Atthigundikar Pooja Chandru	Second
63	M.Sc. Inorganic Chemistry	M	Shetgaonkar Nikhil Raghuvir	Third
64	M.Sc. Physical Chemistry	F	Naik Shobhana Mohan	First
65	M.Sc. Physical Chemistry	M	Sayed Kudubudin	Second
66	M.Sc. Physical Chemistry	F	Ebis Baby	Third
67	M.Sc. Pharmaceutical Chemistry	M	Palyekar Udesh Shrikrishna	First
68	M.Sc. Pharmaceutical Chemistry	M	Mandrekar Shubham Rohidas	Second
69	M.Sc. Pharmaceutical Chemistry	F	Talkar Vardha Bansidhar	Third
70	M.Sc. Analytical Chemistry	M	Raika Laxman Govind	First
71	M.Sc. Analytical Chemistry	F	Torato Rancie Chrispya	Second
72	M.Sc. Analytical Chemistry	F	Fatarpeker Sailee	Third
73	M.Sc. Mathematics	F	Borkar Medha Jaibharat	First
74	M.Sc. Mathematics	F	Raika Meetal Mahesh	Second
75	M.Sc. Mathematics	F	Joshi Utkarsha Ravindranath	Third
76	M.Sc. Biotechnology	F	Natu Nishigandha Shripad	First
77	M.Sc. Biotechnology	F	Sawant Sneha Sadanand	Second
78	M.Sc. Biotechnology	F	Mhapsekar Ankita C	Third
79	M.Sc. Marine Biotechnology	F	O'Niel Ruchika Annie	First
80	M.Sc. Marine Biotechnology	M	Anuj Sharma	Second
81	M.Sc. Marine Biotechnology	M	Hari Mohan Jha	Third
82	M.Sc. Marine Microbiology	F	Fernandes Estha Theresa	First
83	M.Sc. Marine Microbiology	F	Bhangui Purva Ashok	Second
84	M.Sc. Marine Microbiology	F	Da Costa Sarina Maria	Third
85	M.Sc. Microbiology	F	Fernandes Lydia Rochelle	First
86	M.Sc. Microbiology	F	Shenvi Kunkolienkar Rukma Sagun	Second
87	M.Sc. Microbiology	F	Gawade Akshada Narayan	Third
88	M.Sc. Zoology	F	Pandit Rupali Suresh	First
89	M.Sc. Zoology	F	D'Costa Pearl Sybil	Second
90	M.Sc. Zoology	F	D'Souza Andrea Runasia Menezes	Third

Sr. No.	Degree / Exam	Gender	Name of Students	Rank
91	M.Sc. Botany	F	Rodrigues Marina Janice	First
92	M.Sc. Botany	M	Pavithran N	Second
93	M.Sc. Botany	F	Bhat Ramya	Third
94	M.Sc. Marine Science	M	Patil Partha Ashis Archana	First
95	M.Sc. Marine Science	F	D'Souza Jennita Anna	Second
96	M.Sc. Marine Science	M	Shaikh Adnan Abdul	Third
97	M.Sc. Biochemistry	F	Bhobe Ankita Jeetendra	First
98	M.Sc. Biochemistry	F	Vaz Alienor Christia Cecilia	Second
99	M.Sc. Biochemistry	F	Vaigankar Risha Narendra	Third
100	Bachelor of Performing Arts	M	Lotlikar Nahush Ramnath	First
101	Bachelor of Performing Arts	M	Keluskar Jyoti Suresh	Second
102	Bachelor of Performing Arts	M	Gauns Maheshwar Shambhu	Third
103	M.Com.	F	Manerikar Manisha D	First
104	M.Com.	F	Shaik Marjina	Second
105	M.Com.	F	Tilve Mona Vinayak	Third
106	M.B.A. Financial Services	F	Gomes Oswinda Sciana	First
107	M.B.A. Financial Services	F	Menezes Firmina	Second
108	M.B.A. Financial Services	F	Furtado Jr. Sinclair Rebecca	Third
109	M.C.A	M	D'Souza Carlton Joseph	First
110	M.C.A	M	Fernandes Glenn	Second
111	M.C.A	F	Devalmakki Anusha Ashok	Third
112	M.Tech.	F	Shet Parker Ruchee Rajendra	First
113	M.Tech.	M	Thakkar Gaurish Pandurang	Second
114	M.Tech.	F	Arsekar Radhiya Avdhut Asha	Third
115	M.B.A.	M	Naik Sankalp Purushottam	First
116	M.B.A.	F	Dias Ozinta Gracy	Second
117	M.B.A.	F	Shirodkar Richa Saju	Third
118	B.B.A. (IMBA - Hospitality, Travel & Tourism)	M	Joshin Mathew	First
119	B.B.A. (I MBA - Hospitality, Travel & Tourism)	F	Sharma Shailo Pawankumar	Second
120	B.B.A. (I MBA - Hospitality, Travel & Tourism)	M	Alvares Melquis Fransisco Paschol	Third
121	LL.M.	M	Sawant Laxman Ramnath	First
122	LL.M.	F	Mascarenhas Teisy	Second
123	LL.M.	F	Shaikh Rukshar Moosa	Third
124	LL.B. (Degree)	F	Nayak Ameya Audhut	First
125	LL.B. (Degree)	F	Naik Manashree Mohan	Second
126	LL.B. (Degree)	F	Talekar Sachi Dattatraya	Third
127	B.A.LL.B.	F	Kauthankar Vrushika Alias Vaidhyai Premanand	First
128	B.A.LL.B.	M	Gaunkar Gaurav Sagun	Second
129	B.A.LL.B.	F	Kerkar Tina Ankush	Third
130	B.A.	F	Noronha Gayle Zenia	First
131	B.A.	F	Viegas Ana Manuella	Second
132	B.A.	F	Souza Severita Argentina	Third

Sr. No.	Degree / Exam	Gender	Name of Students	Rank
133	B.Com.	M	Shewakramani Gaurav Manohar	First
134	B.Com.	F	Nevgi Karishma Gurudas	Second
135	B.Com.	M	D'Souza Januel Rocky James	Third
136	B.Sc.	M	Kankonkar Ankur Shahu	First
137	B.Sc.	F	Cardozo Jesvita Joseph Josefina	Second
138	B.Sc.	F	Kerkar Rudra Pravin	Third
139	Bachelor of Social Work	F	Divya Susan Mathew	First
140	Bachelor of Social Work	F	Samant Siddhi Manoj	Second
141	Bachelor of Social Work	F	Naik Shahan Nanda	Third
142	B.Sc. (Home Science)	M	Naik Shubham Shivdas	First
143	B.Sc. (Home Science)	F	Fernandes Sonaria Vina Saviola	Second
144	B.Sc. (Home Science)	F	Sawant Shraddha Shrikant	Third
145	B.Ed.	F	Fernandes Apurva E Manuella	First
146	B.Ed.	F	Gawas Ketaki Soma	Second
147	B.Ed.	F	Naik Dessai Rui Rajendra	Third
148	B.D.S.	F	Alka Joseph	First
149	B.D.S.	F	Pawaskar Rukma Rajeev	Second
150	B.D.S.	M	Shubham Goyal	Third
151	B.F.A.(Applied Art)	M	Cardozo Glen Peter	First
152	B.F.A.(Applied Art)	F	Deshpande Nikita Atmaram	Second
153	B.F.A.(Applied Art)	F	Carvalho Gayle Linda	Third
154	B.F.A.(Painting)	F	Pandit Seeya Atul	First
155	B.F.A.(Painting)	M	Rodrigues Aldrin Jude Fonseca	Second
156	B.F.A.(Painting)	F	Pai Anglo Uttara Janardan	Third
157	M.Sc.(Hydrography)	M	Kaustubh Kulkarni	First
158	M.Sc.(Hydrography)	M	Abubakar Aminu Giginya	Second
159	M.Sc.(Hydrography)	M	M R Maradana	Third
160	B.Pharm.	F	Kapileshwari Gauri Ramchandra	First
161	B.Pharm.	F	Naik Navedeeta Ameet	Second
162	B.Pharm.	F	Dharwadkar Krupa Gaurish	Third
163	B.Sc Nursing	F	Dias Rayola	First
164	B.Sc Nursing	F	Pinto Cinaaz Niquenim	Second
165	B.Sc Nursing	F	Gonsalves Alrida	Third
166	B.H.M.S	M	Matker Ajit Raghoba	First
167	B.H.M.S	F	Coutinho Sarah Maria	Second
168	B.H.M.S	F	Rivonkar Shravani	Third
169	B.A.M.S	F	Jog Anuradha Mahesh	First
170	B.A.M.S	F	Singh Kiran Shankar	Second
171	B.A.M.S	F	Kanekar Shravani Mahesh	Third
172	M.Pharm. (Quality Assurance)	F	Gawas Rasvita Raghuvir	First
173	M.Pharm. (Quality Assurance)	F	Fernandes Nashoma Inacinha	Second
174	M.Pharm. (Quality Assurance)	F	D'Cunha Jubeka Matilda Silva	Third
175	M.Pharm. (Pharmacology)	F	Samant Priti Bhanudas	First
176	M.Pharm. (Pharmacology)	F	Sawal Desai Sonali Sakharam	Second
177	M.Pharm. (Pharmacology)	F	Naik Divya Dinesh	Third
178	M.Pharm. (Pharmacognosy)	F	Kamat Aditi Uday	First
179	M.Pharm. (Pharmacognosy)	F	Kumari Swati	Second
180	M.Pharm. (Pharmacognosy)	F	Gaude Richa Rohidas	Third

Sr. No.	Degree / Exam	Gender	Name of Students	Rank
181	M.Pharm. (Pharmaceutical Chemistry)	F	Borges E Soares Giselle Amanda	First
182	M.Pharm. (Pharmaceutical Chemistry)	M	Sinai Priolkar Rudrax Naguesh	Second
183	M.Pharm. (Pharmaceutical Chemistry)	M	Naik Karmali Hari Alias Harshank Amir	Third
184	M.Pharm. (Pharmaceutics)	F	Gaonkar Ratisha Ramesh	First
185	M.Pharm. (Pharmaceutics)	F	Laad Purva Rajendra	Second
186	M.Pharm. (Pharmaceutics)	F	Prabhugaonkar Vaibhavi Rajendra	Third
187	M.E. Foundation Engineering	F	Sabnis Sidhi Satish	First
188	M.E. Foundation Engineering	F	Shetgaonkar Shreya Sitakant	Second
189	M.E. Foundation Engineering	F	Chanekar Tanvi Prakash	Third
190	M.E. Computer Science & Engineering	F	Phadte Radha Shashikant	First
191	M.E. Computer Science & Engineering	F	Naik Janhavi Ramdas	Second
192	M.E. Computer Science & Engineering	M	Gosavi Gaurav G.	Third
193	M.E. Power & Energy System Engineering	M	Shenvi Sangavkar Amey Dinesh	First
194	M.E. Power & Energy System Engineering	M	Patil Ramesh Eknath	Second
195	M.E. Power & Energy System Engineering	M	Chodankar Deepak Pandurang	Third
196	M.E. E.T.C. (Microelectronics)	F	Kalshaonkar Reema Dattaram	First
197	M.E. E.T.C. (Microelectronics)	F	Kharangate Laximi Shashank	Second
198	M.E. E.T.C. (Microelectronics)	M	Rane Karan Parshuram	Third
199	M.E. E.T.C. (Electronic Communication & Instrumentation)	M	Tivarekar Rahulkumar Pramod Pranalee	First
200	M.E. E.T.C. (Electronic Communication & Instrumentation)	F	Lopes Meryl Celian	Second
201	M.E. E.T.C. (Electronic Communication & Instrumentation)	F	Parodkar Siddhi Vinod	Third
202	M.E. E.T.C. (Industrial Automation & Radio Frequency Engineering)	F	Joundale Sneha Bhimrao	First
203	M.E. E.T.C. (Industrial Automation & Radio Frequency Engineering)	M	Prabhu Gaunker Chaitanya Umesh	Second
204	M.E. E.T.C. (Industrial Automation & Radio Frequency Engineering)	M	Mujawar Mehaboob Riyaz Ahamed	Third
205	M.E. Information Technology	F	Pereira Bevinda Alisha	First
206	M.E. Information Technology	F	Shaikh Hasina Bi	Second
207	M.E. Information Technology	F	Parab Neha Raghoba	Third
208	M.B.B.S.	F	Naik Komal Sanjay A	First
209	M.B.B.S.	M	Juwarkar Akshay Sanjeev	Second
210	M.B.B.S.	F	Prabhu Lawande Shikha Uday	Third
211	M.D. Anaesthesia	M	Thorwat Saharsh Sambhaji	First
212	M.D. Anaesthesia	F	Parkar Nimisha Mahesh	Second
213	M.D. Anaesthesia	F	Kamat Gayatri Sanjay	Third
214	M.S. General Surgery	F	Sneha Kanyal	First
215	M.S. General Surgery	F	Kamat Sanjivi Santosh	Second
216	M.S. General Surgery	M	Dessai Govindraj Shripad	Third
217	B.Arch.	F	Kunhi Najamun Nisha Moideen	First
218	B.Arch.	F	D'Souza Alicia Gwin	Second
219	B.Arch.	F	Lyngksiar N. Khongwir	Second
220	B.Arch.	F	Nanodkar Sunidhi Sushil	Second
221	B.Arch.	F	Porob Navelkar Siya Arun	Third

Sr. No.	Degree / Exam	Gender	Name of Students	Rank
222	Bachelor of Science in Anaesthesia Tech.	F	Pacheco Richa	First
223	Bachelor of Science in Anaesthesia Tech.	F	Fernandes Stella	Second
224	Bachelor of Engineering (Civil)	M	Laad Amit Amol	First
225	Bachelor of Engineering (Civil)	M	Bhat Prathamesh Maruti	Second
226	Bachelor of Engineering (Civil)	F	Travasso Valanka	Third
227	Bachelor of Engineering (Mechanical)	M	Shetkar Keshav Alias D. Ramesh	First
228	Bachelor of Engineering (Mechanical)	M	Prabhudessai Pratish Pradeep	Second
229	Bachelor of Engineering (Mechanical)	M	Vishwakarma N. Rajendraprasad	Third
230	Bachelor of Engineering (Electronics & Telecommunications)	M	Shanbhag Ajay Govindray	First
231	Bachelor of Engineering (Electronics & Telecommunications)	F	Picardo Enola	Second
232	Bachelor of Engineering (Electronics & Telecommunications)	F	Pereira Armandinha	Third
233	Bachelor of Engineering (Computer)	F	Anusaya Laxmikanta Vadji	First
234	Bachelor of Engineering (Computer)	F	Alveena Joseph	Second
235	Bachelor of Engineering (Computer)	F	Kadkade Apoorva Mahesh	Third
236	Bachelor of Engi. (Electricals & Electronics)	F	Gaonkar Sachita Sitaram	First
237	Bachelor of Engineering (Electricals & Electronics)	M	Verenker Saurabh Santosh	Second
238	Bachelor of Engineering (Electricals & Electronics)	F	Rane Pradnya Anil	Third
239	Bachelor of Engineering (Information Technology)	F	Afonso Maclyn	First
240	Bachelor of Engineering (Information Technology)	F	Chodankar Kumidini Alias Priya Purushottam	Second
241	Bachelor of Engineering (Information Technology)	F	Kole Poornima Santosh	Third
242	Bachelor of Engineering (Mining)	M	Betkekar Saish Chandrakant	First
243	Bachelor of Engineering (Mining)	M	Samant Vaibhav Rajendra	Second
244	Bachelor of Engineering (Mining)	M	Dalvi Swapnil Mahadeo	Third
245	Bachelor of Engineering (Electronics & Communication)	M	Badiger Jagdish M	First
246	Bachelor of Engineering (Electronics & Communication)	F	Mayapur Priyanka Prasanta	Second
247	Bachelor of Engineering (Electronics & Communication)	F	Dias Jennifer Sophia	Third

PART 7

STUDENTS STRENGTH

7.1 Students Strength at Post Graduate Departments of the University (2016-17)

Subject	Part I			Part II			Part III*/ Diploma**			Total Students		
	M	F	T	M	F	T	M	F	T	M	F	Total
English	7	43	50	5	43	48				12	86	98
Hindi	4	36	40	3	34	37				7	70	77
Marathi	24	6	30	8	14	22				32	20	52
Konkani	7	30	37	5	42	47				12	72	84
French	0	4	4	2	6	8				2	10	12
Portuguese	2	6	8	2	4	6				4	10	14
Economics	4	34	38	12	23	35				16	57	73
History	8	29	37	7	34	41				15	63	78
Political Science	9	25	34	12	15	27		2	2	21	42	63
Sociology	3	13	16	3	15	18				6	28	34
Philosophy	1	1	2	1	3	4				2	4	6
CLAS	8	2	10	2	1	3		1	1	10	4	14
B.Lib	8	17	25	4	15	19				12	32	44
Womens	1	5	6	0	8	8				1	13	14
Chemistry	12	68	80	13	67	80				25	135	160
Computer Science	41	19	60	29	31	60	44	16	60	114	66	180
Mtec	0	0	0	2	7	9				2	7	9
Earth Science	19	7	26	18	10	28				37	17	54
Maths	7	27	34	5	21	26				12	48	60
Physics	11	27	38	11	28	39				22	55	77
elect	8	3	11	14	0	14				22	3	25
Botany	4	17	21	4	20	24				8	37	45
Microbiology	5	15	20	1	18	19				6	33	39
marine micr	2	18	20	3	13	16				5	31	36
biochemistry	4	16	20	2	18	20				6	34	40
Zoology	1	30	31	3	27	30	0	8	8	4	65	69
Marine	8	7	15	5	13	18				13	20	33
Biotech	4	16	20	7	17	24				11	33	44
Marine Biotech	6	5	11	6	4	10				12	9	21
			0			0				0	0	0
Commerce	11	52	63	12	45	57				23	97	120
M.F.S.	25	36	61	25	32	57				50	68	118
			0			0				0	0	0
MBA IG			0			0	77	48	125	77	48	125
MBA	37	28	65	38	23	61				75	51	126
Grand Total	291	642	933	264	651	915	121	75	196	676	1368	2044

M=Male, F=Female and T=Total

7.2 Students strength in the Professional Colleges (2016-17)

Sr. No.	Name of the College	First Year			Second Year			Third year			Fourth Year			Fifth Year			Total
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
1	Goa College of Pharmacy, Panaji	17	79	96	23	81	104	13	61	74	11	61	72			0	346
2	PES College of Pharmacy	12	78	90	21	72	93	11	46	57	12	49	61			0	301
3	Nirmala Institute of Education, Panaji	8	92	100	7	123	130			0			0			0	230
4	GVM Dada Vaidya College of Edn	9	91	100	15	84	99			0			0			0	199
5	PES College of Education	12	85	97	1	99	100			0			0			0	197
6	College of Engineering, Farmagudi	327	198	525	433	174	607	287	148	435	288	159	447			0	2014
7	P.C.College of Engr., Verna	180	85	265	206	97	303	182	67	249	179	87	266			0	1083
8	Shree Rayeshwar Inst. of Engineering	115	69	184	122	69	191	49	28	77	40	27	67			0	519
9	Don Bosco College of Engr.	184	68	252	244	52	296	214	72	286	202	83	285			0	1119
10	Agnel Institute of Technology & Design, Assagao	142	45	187	105	39	144	124	45	169	120	40	160			0	660
11	Goa College of Architecture, Panaji	11	29	40	14	26	40	14	35	49	6	32	38	11	28	39	167
12	Goa College of Art, Panaji	29	22	51	33	19	52	27	20	47	31	18	49			0	199
13	Goa College of Music, Panaji	55	26	81	40	27	67	15	11	26	6	1	7			0	181
14	V.M.Salgaocar College of Law, Panaji	97	168	265	78	148	226	49	82	131	21	34	55	17	44	61	677
15	G.R.Kare College of Law, Margao	38	91	129	44	77	121	22	34	56	5	20	25	6	12	18	331
16	Goa Medical College, Bambolim	112	92	204	104	231	335	97	227	324	60	90	150	56	94	150	1013
17	Institute of Psy-chiatry, Bambolim	1	2	3	0	4	4	1	1	2	0	0	0			0	
18	Ayurveda Mahavi-dyalaya, Shiroda	6	57	63	25	39	64	28	67	95	6	27	33	0	0	0	255
19	Homeopathic College, Shiroda	4	46	50	19	80	99	8	41	49	6	30	36	4	39	43	234
20	Goa Dental College, Bambolim	11	44	55	10	45	55	8	47	55	5	35	40	16	29	45	205
21	Institute of Nursing Education, Panaji	10	93	103	8	98	106	3	85	88	4	43	47			0	344
22	Victor Medical & Foundation Re-search	0	0	0	0	0	0	0	0	0	1	24	25			0	25
23	Vrundavan Institute of Nursing	1	49	50	3	37	40	3	37	40	1	29	30			0	160
24	Ganpat Parsekar College of Education ,Harmal	17	78	95	9	34	43			0			0			0	138
25	National Hydro-graphic School, Vasco	20	0	20	10	0	10			0			0			0	30
26	Goa College of Hospitality and Culinary Education	29	5	34	20	15	35	23	4	27			0			0	96
27	V.M.Salgaonkar Inst of Inter. Hospitality MGT	56	10	66	26	5	31	11	5	16			0			0	113
28	Don Bosco College of Agriculture	27	15	42	21	17	38			0			0			0	80
29	Ramanata Crisna Pai Raikar School of agriculture	25	8	33	0	0	0			0			0			0	33
	Total	1555	1725	3280	1641	1792	3433	1189	1163	2352	1004	889	1893	110	246	356	10958

M=Male, F=Female and T=Total

7.3 Students Strength in General Educational Colleges (2016-17)

Sr. No.	Name of the College	First Year			Second Year			Third year			Total
		M	F	T	M	F	T	M	F	T	
1	Smt Parvatibai Chow-gule College,Margao	216	369	585	135	379	514	69	146	215	1314
2	Dhempe College, Mira-mar	118	209	327	74	197	271	64	135	199	797
3	St. Xavier College, Mapu-sa	403	746	1149	310	651	961	244	421	665	2775
4	Carmel College, Nuvem-Salcete	3	272	275	5	314	319	0	168	168	762
5	P.E.S.College, Ponda	137	278	415	86	294	380	46	166	212	1007
6	M.E.S. College, Zuarina-gar-Vasco	220	297	517	209	278	487	138	199	337	1341
7	S.S.Dempo College, Panaji	165	232	397	204	234	438	116	147	263	1098
8	Shree Damodar College, Margao	214	245	459	201	214	415	121	124	245	1119
9	V.N.S.Bandekar College, Mapusa	305	288	593	245	268	513	134	111	245	1351
10	G.V.M's College, Ponda	132	184	316	118	180	298	111	138	249	863
11	Govt. College, Sanquelim	204	277	481	139	255	394	81	139	220	1095
12	Govt. College of Home Science, Panaji	0	41	41	1	25	26	0	30	30	97
13	Govt. College, Khandola	143	197	340	94	177	271	55	91	146	757
14	Govt. College, Quepem	238	417	655	152	291	443	110	207	317	1415
15	Rosary College, Navelim, Salcete	206	423	629	174	426	600	184	285	469	1698
16	Saraswat College, Mapu-sa	134	122	256	116	138	254	102	90	192	702
17	Fr. Agnel College, Pilar	120	199	319	72	171	243	49	113	162	724
18	Govt. College Pernem	87	103	190	52	89	141	50	44	94	425
19	Shree Mallikarjun Col-lege, Canacona	68	101	169	75	79	154	56	70	126	449
20	Zantye College, Bicholim	100	120	220	85	131	216	61	104	165	601
21	C.E.S.College, Cuncolim	96	109	205	64	112	176	43	74	117	498
22	Government College of Commerce, Margao	42	39	81	41	44	85	7	28	35	201
23	SVVM's College of Com-merce, Borim	24	31	55	14	26	40	12	15	27	122
24	Vikas Parishad Mandre College of Com. & Eco,	25	8	33	15	12	27	12	14	26	86
25	PES Vidya Prabodhini College of Com. Edu. Mgt	72	148	220	67	131	198	30	40	70	488
26	Goa multy faculty Col-lege, Dharbandora	59	66	125	95	70	165	77	56	133	423
27	Goa Salesain Society, DonBosco, Panaji	128	97	225	115	104	219	72	52	124	568
Total		3659	5618	9277	2958	5290	8248	2044	3207	5251	22776

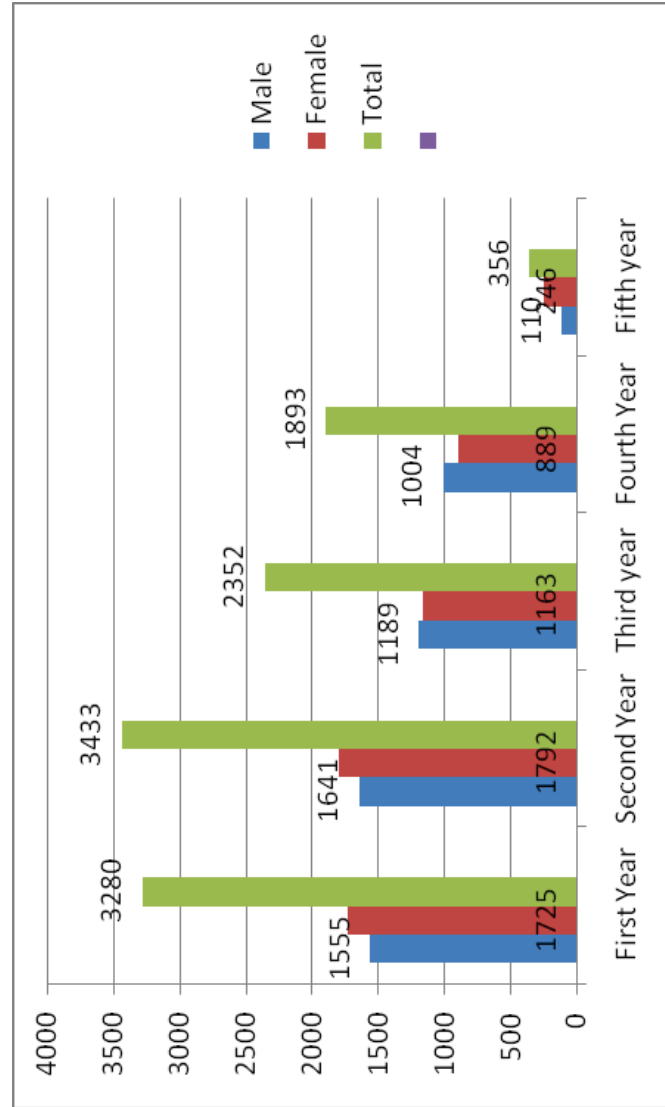
M=Male, F=Female and T=Total

7.4 Total students in Professional, Non Professional Colleges (2016-17)

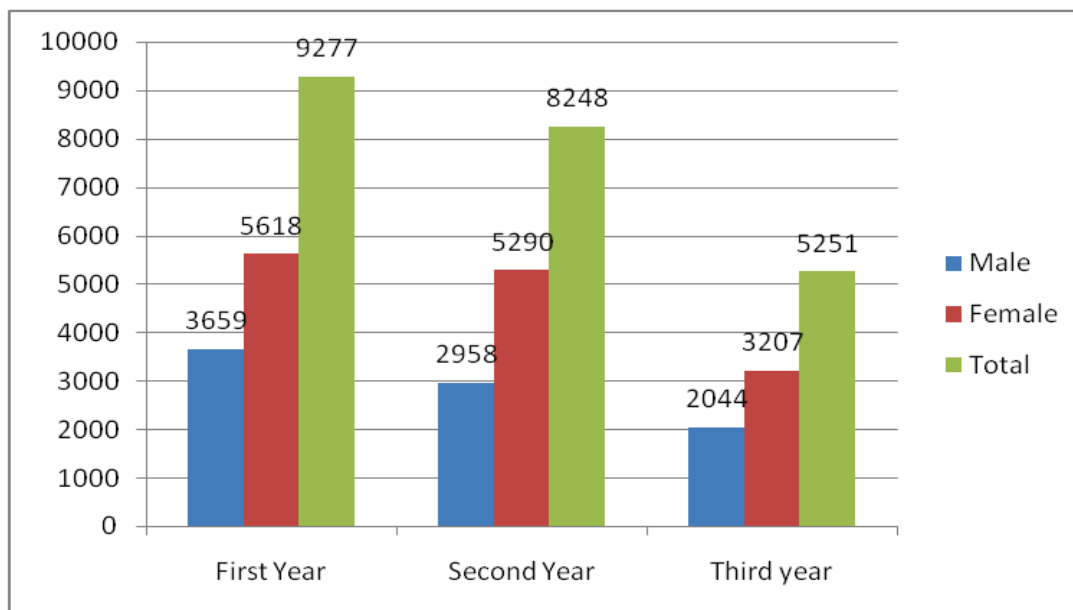
Name of the College	First Year			Second Year			Third year			Fourth Year			Fifth Year			Total
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
Professional	1555	1725	3280	1641	1792	3433	1189	1163	2352	1004	889	1893	110	246	356	10958
Non Professional	3659	5618	9277	2958	5290	8248	2044	3207	5251	0	0	0	0	0	0	22776
Total	5214	7343	12557	4599	7082	11681	3233	4370	7603	1004	889	1893	110	246	356	34090

M=Male, F=Female, T=Total

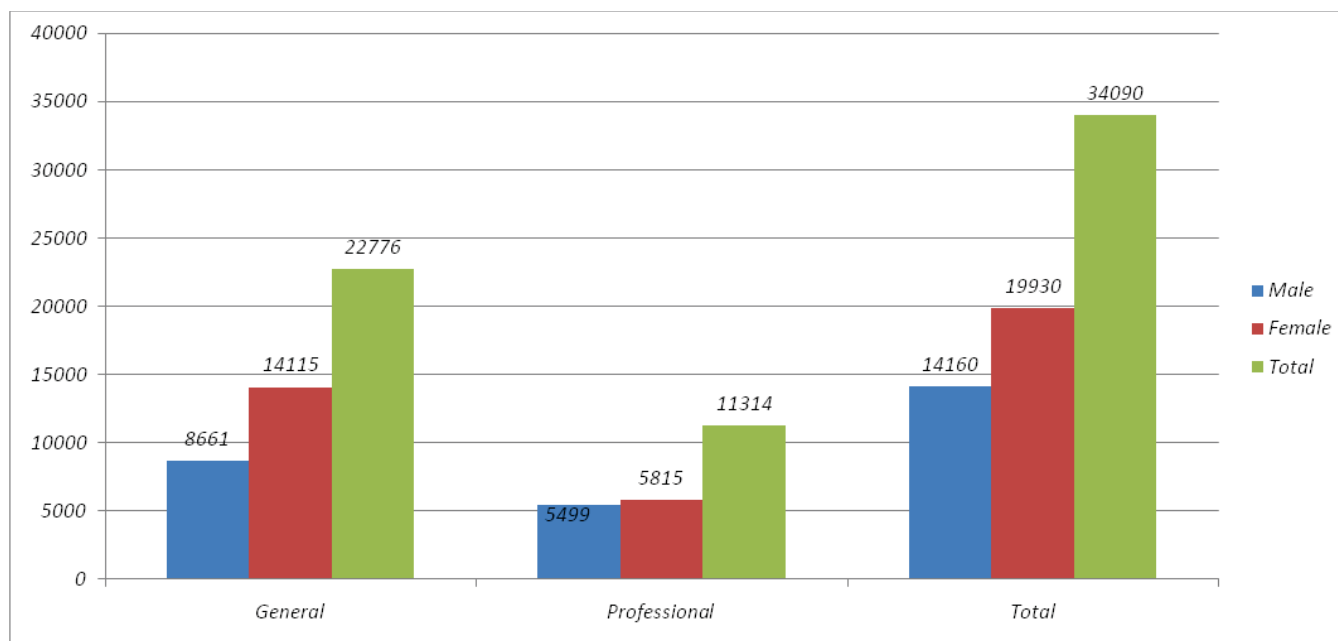
Graph-1. Student Strength in Professional Colleges: Year Wise Male, Female and Total



**Graph-2. Students strength in Non Professional Colleges:
Year wise Male, Female and Total Students**



Graph-3. 7.7 Total Students Strength in Colleges 2016-17: General and Professional



FACULTY/DEPARTMENT LEVEL ACTIVITIES

SOCIAL SCIENCES



LIFE SCIENCES



LANGUAGES



COMMERCE & MANAGEMENT



NATURAL SCIENCES



Activities under Visiting Research Professorship Programme



CONVOCATION 2017



STUDENTS ACTIVITIES

