



XXXIII ANNUAL REPORT

June 2017– May 2018



GOA UNIVERSITY

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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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From Vice-Chancellor's Desk

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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

K.S. Bhat	Convenor
R. Fernandes	Member
Jyoti Pawar	Member
A. A. A. Viegas	Member
Nilesh Borde	Member
Maya Sawant	Member
Gopakumar V	Member

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, Vastrapur, 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 (Academic)
Prof Anuradha Wagle	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 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, <i>President</i>	Prof. S.Krishnan, <i>Vice-President</i>
Dr. Nilesh Borde, <i>Jt. Secretary</i>	Dr. Rajendra Gad, <i>Secretary</i>
Dr. Sunder Dhuri, <i>Treasurer</i>	Prof. V. S. Nadkarni, <i>Member</i>
Dr. Dattesh Parulekar, <i>Member</i>	Dr. Purva Hegde Desai, <i>Member</i>

University and College Teachers' Association of Goa (UCTAG)

Dr. Nagesh Colvalkar, <i>President</i>
Dr. Anthony Rodrigues, <i>Vice President</i>
Shri. B. S. Ingallhalli, <i>Gen.Secretary</i>
Dr. C. P. Hiremath, <i>Treasurer</i>
Mrs. Sanchiliana Faria, <i>Jt.Secretary</i>

Executive Committee of the Association of Officers of Goa University

Dr. Gopakumar V., <i>President</i>
Shri M. Shreedhara, <i>Member</i>
Smt. B.T.A. D'Mello e Daniel, <i>V. President</i>
Shri Leo V. Macedo, <i>Member</i>
Smt. Sita Sara J.Figueiredo, <i>Secretary</i>

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 Premanand Desai, *Member*

Shri Krishna G. Pai, *Joint Secretary*

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

Dates of Executive Council meetings from 01/04/2017 to 31/03/2018

13th April, 2017

21st April, 2017

26th May, 2017

28th July 2017

06th September, 2017

23rd September, 2017

06th November, 2017

14th December, 2017

20th February 2018

26th March 2018

Dates of Academic Council Meetings

4th September 2017 6th AC meeting

13th September 2017 6th AC meeting

6th December 2017 7th meeting of Academic Council

16th February 2018 - 8th Meeting of Academic Council

8th March 2018 - 8th Academic Council

21st March 2018 - 8th Academic Council

11th May 2018 - 9th Academic Council

15th May 2018 - 9th AC Meeting

18th May 2018 - 9th AC Meeting

21st June 2017 - Standing Committee.

10th August 2017 - Standing Committee.

Dates of Planning Board Meeting-

Dates of Court Meeting - 28/03/2018

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 10.1.2017 onwards for three years)

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 R N Mishra	Member (Ex-Officio)
Prof Smt Vrushali S. Mandrekar	Member (Ex-Officio)
Dr. Andre Rafel Fernandes	Member
Dr. (Smt) Anjali Chaubey	Member
Dr. (Smt) Sunita S. Umraskar	Member
Dr. (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 2017-18.

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. This programme was funded under the 12th Financial Plan. 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 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 been a showcase, which highlighted litterateur from Australia, Bangladesh, Brazil, Canada, Portugal, Singapore, United Kingdom and United States of America, who 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

Contractual

- **Nafisa Oliveira**, M.A., Assistant Professor
- **Frederick Noronha**, M.A., Assistant Professor

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
Cielo Festino	University of Sao Paolo	Goan Diasporic Literature	14 Jan 2018
Victor Rangel Rebeiro	Writer and Journalist, New York	Goan Literature	13 Dec 2017

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Tradition, Continuity and Change: Goan Society in Transition(s)	15 March, 2018	Goa University
Release of the Book Titled: Goa Through the Traveller's Lens	15 March, 2018	Goa University
Pure Poetry	13 September, 2017	Goa University

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- Sultana, S. English language in Bangladesh: Challenges and prospects. *Language in India*. 18(3); 2018; 514-524.
<http://www.languageinindia.com/march2018/shahinenglishbangladeshchallenges1.pdf>
- Wallenius, M-L. || Bhat, K.S. The concept of 'otherness' in partition narratives of Finland and India. *International Journal of Language and Linguistics*. 4(1); 2017; 55-61.
https://www.ijllnet.com/journals/Vol_4_No_1_March_2017/8.pdf

Book chapters

- Noronha, F. In fact, this is only fiction: Unusual 'visitors' who came Goa's way. *Goa Through The Traveller's Lens*, Ed. by Nina Caldeira. Goa1556. 2018; 233-247.
- Oliveira, N. Reconstructing Goa through travel narratives: A study of select writings from Manohar Shetty's Goa Travels. *Goa Through The Traveller's Lens*, Ed. by Nina Caldeira. Goa1556. 2018; 169-183.
- Oliveira, N. Cultural Materialism in Sail's Khol Khol Mulam: A Critique. *Probing Perspectives: A Critical Study of Mahabaleshwar Sail's Fiction*, Ed. by Kiran Budkuley. 2017; 1-23.

Book

- Caldeira, Nina, ed. *Goa Through the Traveller's Lens*. Goa,1556. 2018; 260pp.

PhDs:

Degree Awarded: 3

Submitted: 1

Students on Roll: 14

Conference Presentations, Lectures.

Conference presentations/ lectures

- Bhat, K.S. Kannada popular culture **(Plenary talk)**. *Nat. Conf. on Introducing Cultural Studies*, 25 Nov 2017. Dept. of English, Tumkur University, Karnataka.
- Bhat, K.S. Rethinking the dynamics of the relationship between literature and history **(Keynote address)**. *Nat. Conf. on Rethinking Karnataka History through Ancient Kannada Literature*, 3 Jan 2018. Venkatramana College, Bantwala, Karnataka.
- Bhat, K.S. Gender representation in contemporary indian popular culture **(Keynote address)**. *Nat. Conf. on Contemporary Visual Culture & The Politics of Images*, 8-9 Jan 2018. Dept. of English, Kerala University College, Thiruvananthapuram.
- Bhat, K.S. The discourse of resistance and popular culture: Revisiting indian cinema & television **(Keynote address)**. *Nat. Conf. on Literature & Cinema*, 20 Jan 2018. B.R. Ambedkar College, Hubballi, Karnataka.
- Bhat, K.S. Modernity in Indian context: Issues and perspectives **(Keynote address)**. *Nat. Seminar on Tradition, Continuity & Change: Goan Society in Transition(s)*, 15 Mar 2018. Dept. of English, Goa University.
- Bhat, K.S. Reimagining english in the context of globalization **(Keynote address)**. *Nat. Conf. on Revisiting Higher Education, Culture Studies, English Language and Literature Teaching*, 24 Mar 2018. CES College, Cuncolim, Goa.
- Fernandes, A.R. Creative creations for positive influence. *Mass Media Summit INFLUENCE 2017*, 17 Jul 2017. Centre for Research and Excellence between Society and Technology.
- Fernandes, A.R. Publication of Tiatr Scripts. *3. Int. Symp. on Goa: Cultures, Languages & Literatures*, 24-25 Jan 2018. Centro de Lingua Portuguesa/ Camoes, I.P; Xavier Centre for Historical Research, Goa.

- Fernandes, A.R. Significance of Linguistics for Konkani **(Session Chair)**. *Nat. Seminar on Field Linguistics and Konkani Dialects*, 20 Mar 2018. Dept. of Konkani, Goa University.
- Fernandes, A.R. Rethinking media ethics across modalities **(Session Chair)**. *The Role and Relevance of Media Ethics in Contemporary Society*, 20-21 Mar 2018. Dhempe College of Arts & Science, Miramar.
- Oliveira, N. Using Storyweaver for content creation. *Writing for Children Today: Revisioning the Moods, Methods and Media (Sahitya Samaroh)*, 19-20 Nov 2017. World Konkani Centre, Mangaluru.
- Oliveira, N. Questioning progressivism: The activist strain in Konkani writing in translation. *Tradition, Continuity and Change: Goan Society in Transition(s)*, 15 Mar 2018. Goa University.
- Oliveira, N. Setting boundaries in the virtual space: The need for ethics and etiquette on social networking sites. *The Role and Relevance on Media Ethics in Contemporary Society*, 20-21 Mar 2018. Dhempe College, Panaji, Goa.
- Oliveira, N. The didactic aspect of text personified: Learning through Indian graphic 'faction'. *Contemporary & Modern Trends in English Literature & Language*, 2-3 Apr 2018. Chowgule College, Margao, Goa.

Lectures on other occasions

- Bhat, K.S. Narrative of survival: Challenges faced by Tulu and other Indian languages in modern India. 4 Jan 2018. Abbkka Tulu Research Centre, Bantwala, Karnataka.
- Bhat, K.S. Rethinking popular culture: Issues & perspectives. *Armando Menezes Endowment Lecture Series*, 28 Mar 2018. Dept. of English, Karnatak University, Dharwad.
- Fernandes, A.R. Promoting reading culture. *Reading Yawns*, 21 Aug 2017. Centre for Study of Philosophy and Humanities, Miramar, Panaji.

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

Contractual

- **Kapil Kumar**, *Ph.D.*, Assistant Professor – Adhunik Sahitya
- **Ranjita Ramchandra Parab**, *M.A.*, Assistant Professor

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Sanjiv Kumar Dubey	Central University of Gujarat	Sahitya & Cinema	01 Sep 2017
Prof. Baijnath Prasad	Professor, Department of Hindi, Panjab University	Linguistics	07 Sep 2017
Prof. Alok Pandey	Department of Hindi, School of Humanities, Gachnilowli, Hyderabad	Patrakarita	14 Sep 2017
Prof. Karuna Shankar Upadhyay	Professor, Hindi Dept. Mumbai	Samkaleen Kahani	18 Sep 2017
Shri Govind Pandey	News Editor Amarujala, Lucknow	Samachar Sampadhan Kala	23 Mar 2018

Major Thrust Areas and Achievements:*Thrust areas:*

- Criticism, Functional Hindi, Translation, Mass Media, Language and Literature

Achievements:

- Six students cleared SET.

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
College Teachers Workshop	14 Jul 2017	Goa University
College Teachers Workshop	11 Nov 2017	Goa University
Seminar on Hindi Literature and Cinema	8-9 Mar 2018	Goa University

Research publications:*Articles in journals:*

- Mishra, R.N. [Jantuon ki Bhashaa, Croatian Folklore]. *Garbhanaal*. 7(5); 2017; 36-37.
<http://www.garbhanaal.com/uploaded/magazine/2017-JUL.pdf>
- Mishra, R.N. [Hindi aur Croation: Bhasha, Sahitya evam Sanskruti main Samyata] (Resemblance in Hindi and Croation: Language, Literature and Culture). *Vishwa Hindi Patrika*. 2017; 33-40.
http://www.vishwahindi.com/hi/downloads/vhp_2017/VHP2017.pdf
- Tiwari, B. [Bangal ka Durbhiksha aur Mahakaal]. *Sablog*. (83); 2017; 64-66.
- Tiwari, B. [Amrutlal Nagar: Ek Shakhshiyat (Naagarnaamaa -1)]. *Baya*. 12(37); 2017; 17-19.
- Tiwari, B. [Amrutlal Nagar: Ek Shakhshiyat (Naagarnaamaa -2)]. *Baya*. 13(38); 2018; 13-21.

Special issue editor

- Tiwari, B. [Amrutlal Nagar Visheshank]. *Samved*. 10(3); 2018; 384pp

PhDs:

Degree Awarded: NIL

Submitted: NIL

Students on Roll: 27

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

- Tiwari, B. और [Aacharya Shivpujan Sahay Aur Rahul Sankratyayan: Hindi Navjagran Ke Pariprexya Me]. *Rahul Saankratyayn : Badli Hui Duniya Ka Swapn, Sangarsh Aur Yaattrayen*, 19-21 Feb 2018. Banaras Hindu University.
- Tiwari, B. [Uttar Aadhunika Aalochana Ke Vividh Aayam]. *Uttar Aadhunika Aur Narivadi Aalochana*, 27 Mar 2018. Central University of Kerala.

Lectures on other occasions

- Mishra, R.N. Pandit Deendayal Upadhyay: Jeevan Evam Karya Kshetra. *Birth Century of Pandit Deendayal Upadhyay*, 25 Sep 2017. Indian Embassy, Croatia.
- Mishra, R.N. Sardar Ballabh Bhai Patel: Jeevan Evam Karya Kshetra. *Birth Century Of Sardar Ballabh Bhai Patel*, 31 Oct 2017. Indian Embassy, Croatia.
- Mishra, R.N. Vartaman Vaishvik Paridrushya Evam Hindi Bhasha. *Hindi Day Celebration*, 17 Nov 2017. Zagreb University & Indian Embassy, Croatia.
- Mishra, R.N. Teaching Hindi in Central Europe: Prospects And Perspective. *Dept. of Indology Zagreb University & Indian Embassy Croatia*, 21 Feb 2018. Zagreb University.

Honour & Awards

- Mishra, R.N. **ICCR Chair, New Delhi** (Zagreb University, 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

Contract

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

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Rajay Pawar	Govt. Collage of Qupem, Goa	कविता : रचना प्रक्रिया आनी सृजनशीलताय	5 Mar 2018
Prof. Kiran Budkley	Retired Prof. from Goa University	<ul style="list-style-type: none"> • □□□□□□□ □□□□□ □□□ □□□□□ □□□□□□□□□ □□□□□□ • □□□□□□□□□ □□□□□□□□□□□□ □□□ □□□□□□□ □□□□□□□□□ 	16 Mar 2018
Mr. Vasant Sawant	Konkani Short Story Writer from Sanvordem Goa.	कथा : लेखन प्रक्रिया आनी तांत्रिक गजाली	19 Mar 2018
Mr. Madhav Borkar	Konkani poet from Nagalli Taleigaon, Goa.	18जून ह्या कविता झेल्याच्या संदर्भांत डॉ. मनोहरराय सरदेसाय हांची कविता	19 Mar 2018
Dr. Prakash Vazrikar	Govt. Collage of Khandola - Marcela, Goa	कोंकणी कांदबरेतलें समाजभान आनी विविधताय	21 Mar 2018

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
MEER THE AUTHOR , programme in collaboration with Sahitya Akademi, New Delhi.	29 th June 2017	Sahitya Akademi, New Delhi
Konkani Soraspat Mandal, a student's organisation has observed a SILVER JUBILI year of establishment of Mandal by organizing literary and Cultural activities for students communities.	17 th July 2017	by Konkani Soraspat Mandal, Department of Konkani, Goa University
National Seminar on the topic Humorous Literature to Konkani in collaboration with Sahitya Akademi, New Delhi. The daylong Seminar is scheduled on	28 th September 2017	Sahitya Akademi, New Delhi
CHAND KE SATH SATH Dhalo & Fugadi a Goan Folk dances performed by our students	2 nd Jan 2018	Govt. of Goa
Interaction programme with Post graduation		Karnataka Konkani Sahitya

Konkani Students of Mangalore University, Karnataka	29 th Jan. 2018	Academi, Karnataka and Basav Samiti, Bangalore, Karnataka.
Goa University Campus Cleaning Activities Under Swachh Bharat Abhiyan Mission	9 th Feb. 2018	Goa University
LOKRANG : A Folk Festival (लोकरंग : लोककला सादरकरण) in Collaboration with VRPP, Goa University	14 th Feb. 2018	B.B. Borkar Chair, VRPP, Goa University
15th All Goa late Shankar Ramani Konkani poetry recitation Competition organized by Konkani Soraspat Mandal (15वीं अखील गोंय सर्गेस्त कवी शंकर रामाणी कोंकणी काव्य सर्त, आयोजक : कोंकणी सरस्पत मंडळ, गोंय विद्यापीठ)	16 th Feb. 2018	by Konkani Soraspat Mandal, Department of Konkani, Goa University
All Goa Adv. Arun Singbal memorial Quiz Competition (अखील गोंय ङड अरुण सिंगबाळ यादस्तीक प्रस्नमाची सर्त, आयोजक : कोंकणी भाशा मंडळ- मडगांव आनी कोंकणी विभाग, गोंय विद्यापीठ)	16 th Feb. 2018	Konkani Bhasha Mandal. Margaon. Goa.
State level Seminar on CHRISTAPURAN (क्रिस्तपुराण ह्या विशयाचेर राज्य स्तरीय परिसंवाद आयोजक : कोंकणी विभाग, गोंय विद्यापीठ आनी तोमस स्टिवन्स कोंकणी केद्र, परवरी गोंय.)	20 th Feb. 2018	Thomas Stephens Konkani Kendra, Porvarim Goa.
Goa University (Department of Philosophy, Department of Konkani, Department of Portuguese and Lusophone Studies, Department of French and Francophone Studies) in collaboration with the Institute of Philosophy of University of Porto (Instituto de Filosofia da Universidade do Porto), Portugal and Instituto Camões, Goa is organizing a Two-day International Seminar on “Philosophy and Literature Meeting: The West(s) and the East(s)” on	March 19 th & 20 th , 2018	Collaborated with Department of Philosophy, Goa University.
Goa University Department of Konkani & B. B. Borkar Chair in Comparative Literature, Visiting Research Professor Programme National Level Seminar on Konkani Dialects “Field Linguistics and Konkani Dialects”	20 th March 2018	B. B. Borkar Chair in Comparative Literature, Visiting Research Professor Programme, Goa University.

PhDs:

Degree Awarded: 12

Submitted: 1

Students on Roll: 4

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

Kripali Naik:

1. Presented a paper on **‘Bhavin ani andharatila vata ya kadambaryetlye bailamanshye chitran’** at State Seminar on **Bakibab Borkar Hanchya Sahityatli Asturi Pratima** Co- organized by Department of

Konkani and B.B.Borkar Chair in Comarative literature, Visiting Research Professor Programme, Goa University (7th July 2017)

2. Presented a paper on '**Melvyn Rodrigues Hanchya Konkani kavityetlye samajdarshan**' at National level Conference on **Bhasha sangam 2018** organised by Milagres College, Hampankatta Manglore, Karnataka. (24 Feb 2018)
3. Presented a paper on "*Canacoan Variety of Konkani with reference to Kharwi, Velip and Saraswat communities*" at National Seminar on "**Field Linguistics and Konkani Dialects**" Co-organized by Department of Konkani and B.B.Borkar Chair in Comarative literature, Visiting Research Professor Programme, Goa University (20 March 2018)
4. Co- Presented a Paper on '**Cultural References and Philosophical Thought in 'Vonvallencho Mollo'** and Sant Antonichi Acharyam at the International Seminar on **Philosophy and Literature Meeting : The West (s) and the East(s)** organized by Department of Philosophy , Goa University, Taleigao- Goa (19th and 20th March 2018)

Edna Vaz Fernandes:

1. Presented a paper on '**Linguistic Fieldwork and Goan Konkani Dialects**' at the National Seminar on "Field Linguistics and Konkani Dialects" co-organized by the Department of Konkani and B. B. Borkar Chair in Comparative Literature, Visiting Research Professor Programme, Goa University (20th March 2018).
2. Co-Presented a paper on **Cultural References and Philosophical Thought in 'Vonvalleancho Mollo' and 'Sant Antonichim Acharyam'** at the **International Seminar on Philosophy and Literature Meeting : The West (s) and the East (s)**, organized by Department of Philosophy, Goa University, Taleigao – Goa (19th and 20th March, 2018).

Department of Marathi

Faculty:

Full-time

- **S. Umraskar, Ph.D.**, Assistant Professor – Linguistics, Medieval Marathi literature and modern form of literature
- **Vinay M. Madgaonkar**, Assistant Professor – Goan Marathi Literature, Folk literature, Christian Marathi Literature, Translation, modern literature, criticism
- **Dr. Balkrishna G. Kanolkar, Ph.D.**, Associate Professor – Modern form of literature

Contractual:

Geeta S. Yerlekar, Ph.D, Assistant Professor – Feminist Literature, modern literature (poetry) Form of literature, Goan Marathi

Major Thrust Areas and Achievements:

Grammar and Linguistics, Theory of Literature and Translation Studies, Medieval Literature, Christian Marathi Tradition of the 17th Century in Goa, Modern Forms of Literature, Marathi Literature in Goa, Dalit and Folk Literature and Science Fiction in Marathi.

Incremental Infrastructure:

White Board, LCD Projector, AC, Podium, Chairs

Articles in conference proceedings

Dr. Geeta Yerlekar

१` भक्ती परंपरेतील स्त्रीसाहित्याचे योगदान', संत साहित्याचे योगदान, माऊली महाविद्यालय व विद्यापीठ अनुदान आयोग, वडाळा, सोलापूर ३ मार्च २०१८ (Contemporary research in India ISSN 2231-2137, 169-171)

PhDs:

Degree Awarded: NIL

Submitted: NIL

Students on Roll: 29

Conference Presentations, Lectures, etc.

Vinay Madgaonkar

1. Presented paper on book 'Gomantakiy Kavita aani Savskrutik Paryavar' at Nasaraur, Pune, in National seminar orgnized by Shankarrao Bhelke college in association with Pune University on 4 and 5/01/2019.
2. Presented paper on book 'Contribution of Jeevanmukt Maharaj in Goan Freedom Struggle' at Goa University, Dept. of Histry and Directorate of Archives and Archaeologh orgnized Local History Seminar on the topic 'History of Goa' on 10/01/2019.

Conference presentations/ lectures:

Dr. Geeta Yerlekar

1. 'भाषिक कौशल्ये आणि व्यक्तिमत्व विकास', Language skills and personality development, दि. आर. माने महाविद्यालय, कागल आणि शिवाजी विद्यापीठ, कोल्हापूर, १५ डिसेम्बर २०१८
2. 'सांस्कृतिक पर्यावरण आणि स्त्रीवादी कविता' बदलते सांस्कृतिक पर्यावरण आणि मराठी कथा, शंकरराव भेलके महाविद्यालय आणि सावित्रीबाई फुले विद्यापीठ, पुणे, ३/४ जानेवारी, २०१९.

Lectures on other occasions

Vinay Madgaonkar

- 1 Lecturer on book 'Pratibimb' at Panaji, Critical appreciation session was orgnized by Institute Menezes Braganza on 23/07/2018.
- 2 Presented paper on book 'Parichayatle carear' at Panaji, Critical appreciation session was orgnized by Madhav Raghav Prakation on 25/08/2018.
3. Lecturer on 'Swami Vivekanand: Goa to America' at Asnoda, NSS day was orgnized by Dnyanprakash Mandal Higher Secondary on 29/09/2018.

4. Lecturer on 'Internet and Book Reading' at Ponda Shekoti Sammelan was organized by Konkan Marathi Parishad on 20/01/2019.

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

Contractual

- **Natasha Maria Gomes**, Assistant Professor – ICT, Teaching Methodology, Culture Studies
- **Kshama D. Dharwadkar**, Assistant Professor – Translation, Linguistics, Phonetics, Mythology

Visiting Scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Carlos Bergeron	University of Quebec	Workshop on Literature and Culture of Quebec	Jul 2017
Mr. Jacques Servières	Alliance Française	Seminar on Sculptures and Individual Expression	Oct 2017

Major Thrust Areas and Achievements:

- Translation Studies, Linguistics, Didactics, French and Francophone Literature, Cinema and Theatre Studies, Functional French, Culture Studies.

Incremental Infrastructure:

- 2 New Classrooms for conducting new scheduled programmes (BA French-Honours) and One office room for Contract Faculty.

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
Philosophy and Literature Meeting: the West(s) and the East(s)	19 Mar 2018	Joint programme by Depts. of Philosophy, Portuguese, French and Konkani- Goa University, Instituto Camoes, Instituto de Filosofia, FCT, University of Porto

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- Silveira, I. Goa, parmi les traces Portugaises, Quelques coins Francophones [Goa, Among the Portuguese Traces, some francophone coins]. *Research Highlights*. 5(1); 2018; 66-71.

Book chapter

- Gomes, N. Anne Bonneau's radio travelogues: A portrayal of archetypal and Stereotypical Goan. *Goa Through the Traveller's Lens*, Ed. by Nina Caldeira. Goa 1556, Goa. 2018; 184-210
- Silveira, I. Goa through the lens of Europeans: A revisiting. *Goa: Through the Traveller's Lens*, Ed. by: Nina Caldeira. Goa,1556. 2018; 137-168.

PhDs:

Degree Awarded: **NIL**

Submitted: **NIL**

Students on Roll: **27**

Conference Presentations, Lectures,

Conference presentations/ lectures

- Silveira, I. Across the Indian Ocean: Exploring diasporic links between Goa and East Africa. *Philosophy and Literature: Meeting the West(s) and the East(s)*, 19-20 Mar 2018. Goa University.
- Silveira, I. Of mud, stone, tile and more: the re-making of the Casa Portuguesa in Goa. *Tradition, Continuity and Change: Reflections in the Narratives of Goa*, 15 Mar 2018. Dept. of English, Goa University.
- Silveira, I. The marriage of literature and multimedia- Experiments in French class. *Revisiting Higher Education Culture Studies, English Language and Literature Teaching*, 24 Mar 2018. CES College of Arts and Commerce, Cuncolim, Goa.
- Silveira, I. Reflections of reel life in real life: Snapshots of the Goan diaspora. *Nat. Conf. on Contemporary & Modern Trends in English Language & Literature*, 2-3 Apr 2018. Parvatibai Chowgule College of Arts and Science, Margao.
- Wagle, A. Education through ages in India: Ancient perspectives & modern methods of evaluation. *Nat. Workshop on Examination Reforms in Higher Education*, 14-16 Nov 2017. AIU/Deccan College, Pune.
- Wagle, A. Le connu est réel, le familier est vrai : Explorer les représentations de la diversité culturelle en Asie-Pacifique [The known is real, the familiar is true: Exploring representations of cultural diversity in Asia-Pacific]. *Asia Pacific Conf. of French Teachers*, 8-12 Sep 2017. Japanese Association for Didactics of French, Kyoto University (Japan).
- Wagle, A. Contexte, espace et temps : développer un programme innovant de licence de français [Context, Space and Time: Developing an Innovative French License Program]. *Asia Pacific Conf. of French Teachers*, 8-12 Sep 2017. Japanese Association for Didactics of French, Kyoto University (Japan).

Department of Portuguese

Faculty:*Full-time*

- **Scarlet Ava Fernandes, M.A.**, Assistant Professor – Portuguese (Language & Linguistics)
- **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)

Lecturer on Contract basis

- **Loraine Alberto, M.A.**, Assistant Professor – Portuguese (Indo-Portuguese Literature)

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Jitendra Nath Misra	Former Ambassador of India to Portugal	Coming Together India and Portugal: in the Twenty First Century	21 Aug 2017
Dr. Ângela Barreto Xavier	Institute of Social Sciences of the University of Lisbon (ICS-UL)	Why Franciscans matter for Goan history and identity	6 Sep 2017
Prof. Walter Rossa	Centre for Social Studies of the University of Coimbra	Goa's centrality within Portuguese Influence Heritage	11 Dec 2017
Prof. Jan Lucassen and Dr. Paulo Teodoro de Matos	International Institute of Social History of the University of Amsterdam New University of Lisbon	Labour and Labour Migration in Goa c.1800-1900	31 Jan 2018
Dr. Hugo Canelas Cardoso	Centre of Linguistics of the University of Lisbon	A Digital Archive of Sri Lanka Portuguese	12 Feb 2018

Major Thrust Areas and Achievements:*Thrust areas:*

- Indo-Portuguese Studies
- Lusophone Literature
- Portuguese Linguistics
- Teaching Portuguese as Foreign Language
- Functional Portuguese for business
- Translation Cell

- Coordination of J H da Cunha Rivara Chair

Achievements:

- Students of the Department (Franz Schubert Cotta and Nadia Rebelo) performed a Fado concert at LA LA Land 2018, held at MOG, on 2nd March 2018 and at the 44th Anniversary of the Carnation Revolution, organized by the Consulate General of Portugal in Goa and CLP-Camões, at Sunaparanta, on 25th April 2018
- Two post-graduate students were awarded the 1st and the 2nd prize in the IV edition of the Prémio Literário Escolar “Viagens na Minha Terra” organized by CLP-Camões, Panaji during December 2017 to March 2018.

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
VRPP Course Pro 124: Goa in the Making of the Portuguese Empire (16 th – 18 th Centuries By Dr. Ângela Barreto Xavier	30 Aug-8 Sep 2017	Camões, I.P.
VRPP Course Pro 125: Heritage(s) of Portuguese Influence in the Indian Ocean Borders By Prof. Walter Rossa and Dr. Luisa Trindade	27 Nov-11 Dec 2017	Camões, I.P.
VRPP Course Pro 122: Lusosonia: Post-Colonial Cartographies on Sounds and Memories by Prof. Susana Sardo	15-23 Jan 2018	Camões, I.P.
VRPP Course Pro 126: Methods of Language Documentation By Dr. Hugo Canelas Cardoso	1-14 Feb 2018	Camões, I.P.
International Seminar on Philosophy and Literature Meeting: the West(s) and the East(s)	19-20 Mar 2018	Goa University; University of Porto; FCT Camões, I.P.
Reading Session held on the World Poetry Day: The Woman in Poetry	21 Mar 2018	Goa University

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

- “*O contributo da Ilha de Divar para a história da Literatura Goesa*”, paper presented by Ms. Loraine Alberto at the IIIrd International Symposium – “Goa - Cultures, Languages & Literatures” from 24th - 26th January, 2018
- “Endeavors at concealing faith in Richard Zimler’s *Guardian of the Dawn*” paper presented by Miss. Scarlet Ava Fernandes at the International Seminar on Philosophy and Literature Meeting: the West(s) and the East(s) held on March 19 & 20 2018.
- “*The contribution of the island of Divar towards the history of Goan Literature*”, paper presented at the Seminar on Revisiting Higher Education, Culture Studies, English Language Literature and Teaching, at CES College of Arts and Commerce, Cuncolim, on 24th March 2018.

- *"Viagem da Língua Portuguesa pelo mar "susegad" de Goa: Uma breve perspetiva histórica e sincrónica do estado dos estudos portugueses" paper presented by Mr. Delfim Correia da Silva at the 4^o Congresso internacional "Pelos mares da língua portuguesa" held from 23-25 May 2018 at the University of Aveiro, Portugal.*

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 ((for a period of three yrs from 10/01/2017)

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)
Head, Department of Women Studies	Member (Ex-Officio)
Head, Department of Library Science	Member (Ex-Officio)
Prof. Koshy Tharakan	Member (Ex-Officio)
Prof. (Smt) Silvia Maria De Mendonca Norohna	Member (Ex-Officio)
Dr. U. A. Vinay Kumar	Member (Ex-Officio)
Prof. Pranab Mukhopadhyay	Member (Ex-Officio)
Dr. (Ms.) Alakananda P. Shringare	Member
Shri Parag D. Porobo	Member
Dr. (Ms.) Seema Risbud	Member
Shri Dattesh Parulekar	Member
Dr. (Smt.) Joanna Pereira Coelho	Member



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.

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

Department of Economics

Faculty:*Full-time*

- **S.M. Noronha**, *Ph.D.*, Professor – Labour Economics & Industrial Relations, Development Economics
- **P.K. Sudarsan**, *Ph.D.*, **Professor and Head** – 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
- **Sumita Datta**, *M.A.*, Assistant Professor

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Amit Shoren Roy	Jawaharlal Nehru University, New Delhi	Development and Inequality	18 Jul 2017
Prof. R.V. Ramana Murthy	Central University Hyderabad	Understanding Dynamics of Indian Economic Growth from 2003 to 2016	14 Sep 2017
Prof. Govinda Rao	NIPFP, New Delhi	Interaction with Research Scholars	22 Mar 2018

Major Thrust Areas and Achievements:*Thrust areas:*

- Labour economics, environmental economics and international economics

Achievement:

- Published research in impact factor journals

Incremental Infrastructure:

- One laptop, one printer

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
NSSO Nat. Seminar on Survey Results	11-12 Sep 2017	National Sample Survey Organisation, New Delhi
Research Methodology Workshop in Social Sciences	5-11 Dec 2017	Association of Indian Universities
Preparation for NET/SET Examination in Economics	23 Mar 2018	Goa University
Dr. G.V. Kamat-Helekar Memorial Lecture	22 Mar 2018	Goa University

Research publications:

Articles in journals (in Impact Factor / CiteScore Journals):*

- Chowdhury, J. Towards an empirical analysis of the impact of goods trade liberalisation on services trade. *EPRA International Journal of Economic and Business Review*. 418A(10); 2016; 104-109. <http://eprawisdom.com/jpanel/upload/articles/324pm13.%20Joy%20Chowdhury.pdf>
- DhaneeshKumar, T.K.; Poornima, B.G.; Sudarsan, P.K. Effectiveness of currency futures market in India: An empirical investigation. *IIM Kozhikode Society & Management Review*. 6(2); 2017; 196-203. <http://journals.sagepub.com/doi/abs/10.1177/2277975217704606>
- Lolayekar, A.; Mukhopadhyay, P. Growth convergence and regional inequality in India (1981-2012). *Journal of Quantitative Economics*. 15(2); 2017; 307-328. <http://dx.doi.org/10.1007/s40953-016-0051-6>
- *Mukhopadhyay, P.; Tapaswi, M.P.; Sudarsan, P.K.; Sudarsan, K. Assessing the quality of higher education institutions in India: an alternative framework. *Current Science*. 114(6); 2018; 1167-1173. <http://www.currentscience.ac.in/Volumes/114/06/1167.pdf>

Book chapter

- Mukhopadhyay, P.; Nawn, N.; Das, K. Introduction. *Global Change, Ecosystems, Sustainability: Theory, Methods, Practice*, Ed. by: Pranab Mukhopadhyay, Nandan Nawn, Kalyan Das. SAGE Publications. 2017; 1-8.

Book

- Mukhopadhyay, P.; Nawn, N.; Das, K. Global Change, Ecosystems, Sustainability: Theory, Methods, Practice. *SAGE Publications*. 2017; 308pp. <https://us.sagepub.com/en-us/nam/global-change-ecosystems-sustainability/book258904#contents>

PhDs:

Degree Awarded: NIL

Submitted: NIL

Students on Roll: 27

Conference Presentations, Lectures, etc.

Lectures on other occasions

- Noronha, S.M. Union Budget 2018. *Refresher Course in Social Sciences*, 6-26 Feb 2018. UGC-HRDC, Goa University.

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

- **Elizabeth Bara, M.A., Assistant Professor** – Sociology of Culture

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. M.W.A.P. Jayatilaka	The University of Peradeniya, Sri Lanka	Agrarian Transformations in Sri Lanka	20 Nov 2017
Prof. N. Jayaram	Retired Professor of Research Methodology, Tata Institute of Social Sciences, Mumbai	Sociological Practice in Goa: Some Autobiographical Reflections	15 Dec 2017
Mr Tenzin Tsundue	Tibetan writer and activist	The mind of an exile	10 Jan 2018
Prof. Manish Thakur	Professor of Public Policy, Indian Institute of Management, Calcutta	Sociological Imagination With Reference to Goa	12 Jan 2018

Major Thrust Areas and Achievements:

- The teaching programme in Sociology blends classical foundations with contemporary developments and debates. The department promotes field work based assignments and dissertation. Towards this end it holds a Research Methodology Training Camp.

Seminars, Conferences, Workshops, organized:

Programme	Date	Major Sponsors
Social Transformation through Collective Mobilisations: Theoretical Consideration and Empirical Elucidations	12 Mar 2018	Goa University

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- Somayaji, G.; Coelho, J.P. Fissures of a blue revolution: The Ramponkars' response to mechanised fishing in Goa. *Social Change*. 47(2); 2017; 200-213. <http://dx.doi.org/10.1177/0049085717696392>

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

- Coelho, J. Gods, guns and globalism: Critical Theories Today and Tomorrow. Home is not always where the heart is: Dialectics of exile among the Tibetan diaspora. **International Conference held during** 8-9 Feb 2018. St. Agnes College, Mangaluru.

Department of Philosophy

Faculty:

Full-time

- **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
- **Dr. U.A. Vinaykumar**, *Ph.D.*, Professor – Vedanta, Indian Philosophy

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof Dhruv Raina	JNU, New Delhi	Internationalism – Cosmopolitanism in Science: Terms of a Historiographic Conjuncture	22 Sept 2017
Dr.K.K.Sreejith	BITS Pilani, K.K.Birla Goa Campus	“What is Knowledge”	6 Feb 2018
Prof Claude Mangion	Department of Philosophy, University of Malta	Philosophy of Quentin, Meillassoux	21 Mar 2018

Major Thrust Areas and Achievements:

Thrust areas:

- Applied Ethics, Philosophy of Social Science, Phenomenology, Philosophy of Science and Analytical Philosophy

Achievements:

- The Department has entered into Faculty Exchange Programme with the Department of Philosophy, University of Malta under Erasmus+ Programme
- Two Certificate Courses in ‘Philosophy of Mind’ and ‘What is this thing called Science?’ (Course in Philosophy of Science) under the aegis of Extra-Mural Studies were offered by Dr. Milan Desai

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Philosophy and Literature Meeting : the West(s) and the East(s)	19-20 Mar 2018	Institute of Philosophy, University of Porto; Instituto, Camoes, Goa. FCT, Portugal.

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- DeSouza, T.D.; Tharakan, K. Nature and moral considerability: A study in environmental ethics. *Indian Philosophical Quarterly*. 44(3-4); 2017; 67-101.
- MayaveeSingh Equality of resources, ethical principles and sustainable development. *Problems of Sustainable Development*. 13(2); 2018; 185-190. <http://www.ekorozwoj.pol.lublin.pl/no26/w.pdf>
- Zickriya, K.A. Mystery of Aalam-e-Arwah and Aalam-e Barzaq. *Imperial Journal of Interdisciplinary Research*. 3(9); 2017; 672-673. <http://imperialjournals.com/index.php/IJIR/article/view/5653/5433>
- Zickriya, K.A. Does soul remain associated with the family after death? *Imperial Journal of Interdisciplinary Research*. 3(11); 2017; 166-168. <https://www.onlinejournal.in/IJIRV3I11/024.pdf>

PhDs:

Degree Awarded: 1

Submitted: NIL

Students on Roll: 6

Conference Presentations, Lectures

Conference presentations/ lectures

- Tharakan, K. Husserl's logical investigations and embodied meaning. *Nat. Seminar on Thinking Body*, 19-21 Feb 2018. Dept. of Philosophy, University of Calicut.
- Tharakan, K. Fusion of horizons: Vedantic approaches to Christian theology. *Int. Seminar on Philosophy and Literature Meeting: The West(s) and the East(s)*, 19-20 Mar 2018. Goa University and University of Porto, FCT Portugal, Institute Camoes.
- Pai Vernekar S.D., Sri Aurobindo's Theory of Evolution: Synthesis of the West and the East. *Int. Seminar on Philosophy and Literature Meeting: The West(s) and the East(s)*, 19-20 Mar 2018. Goa University and University of Porto, FCT Portugal, Institute Camoes.

Lectures on other occasions

- Tharakan, K. Continental philosophy of language. *UGC-SAP Programme*, 5 Jan 2018. Dept. of Philosophy, Savitribai Phule Pune University.

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
Saurab Dube	El Colegio de Mexico, Mexico City	Unsettling Art: A Dalit Expressionist Iconography	09 Jan 2018
Vidya Dehejia	Columbia University, New York, USA	Masterpieces of Indian Art and Architecture	05-23 Feb 2018
Ishita Banerjee Dube	El Colegio de Mexico, Mexico City	Nation, Gender and Politics in India	28 Nov-08 Dec 2018

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Recent Trends in Indian History	16 Jan 2018	Directorate of Extra Mural studies and Extension services, Goa University

Research publications:

Articles in conference proceedings

- Bhat, N.S. Gopal Krishna Gokhale: The "Grand Young Man" of Indian Nationalism **(Key Note)**. *Nat. Seminar on Diamand of India and Jewel of Maharashtra: Gopal Krishna Gokhale (9 May 1866 to 19 Feb 1915)*. 2016; 9-22.

Book chapter

- Risbud, S.S. The contribution of Gopal Apa Kamat in Goa's struggle for freedom. *Gopal Apa Gauravanjali*, Ed. by: Suhas Belekar. Gomantak Sahitya Sevak Mandal, Panaji. 2018; **Pagination – 15-20**.

PhDs:

Degree Awarded: **NIL**

Submitted: **NIL**

Students on Roll: **10**

Conference Presentations, Lectures

Conference presentations/ lectures

- Parobo, P.D. Bhaujan samaj, state and politics in Goa. *Nat. Conf. on State Politics in India: Perspectives from the Western Region*, 21 Nov 2017. Department of Political Science, Goa University, Dhempe College of Arts and Science, Miramar and Indian Council for Social Science Research.
- Parobo, P.D. Contested images: Portuguese Goa and British India in Richard Burton's Goa and the Blue Mountains; or six months of sick leave. *Int. Seminar on Philosophy and Literature Meeting: The West(s) and the East(s)*, 19–20 Mar 2018. Depts. of Philosophy, Konkani, Portuguese and Lusophone Studies, French and Francophone Studies at Goa University; Institute of Philosophy, University of Porto and Instituto Camoes.
- Rao, N. Ancient India in Indo-Portuguese Historiography. *Int. Seminar on Philosophy and Literature Meeting: The West(s) and the East(s)*, 19-20 Mar 2018. Goa University and Institute of Philosophy, University of Porto, Comoes, Instituto da Cooperacao e da Lingua, I.P.

Lectures on other occasions

- Bhat, N.S. (1) Communalism and Historiography in India, (2) Environmental History of India. *Refresher Course in Social Sciences*, 13 Feb 2018. UGC-HRDC, Goa University.
- Parobo, P.D. Colonial, Post-colonial Goa. *Refresher Course in Social Sciences*, 20 Feb 2018. UGC-HRDC, Goa University.
- Risbud, S.S. Nationalism and Goa's struggle for freedom (Invited lecture). **Title Name – Gopal Apa Kamat Janmashatabdhi Sohala**, 09 Dec 2017. Instituto menezes Braganza, Panaji, Shatabdi Samaroh Samiti, Panaji.

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
Niraja Gopa Jayal	Centre for Study in Law and Governance, JNU, New Delhi	Trends in Indian Politics	10 Aug 2017
P.R.Kumaraswamy	Centre for West Asian Studies, JNU, New Delhi	India and the Middle East	20 Dec 2017

Major Thrust Areas and Achievements:

Thrust areas:

- Teaching and research on local, national and international politics

Achievements:

- A major intervention was by way of coordinating the 'we and the Constitution' Project on behalf of the Office of Governor, of Goa, which saw Constitutional Advocacy across all the major districts and Talukas in Goa.
- The department was also identified by the Centre of Study in Developing Society, New Delhi as a partner to collaborate on its 'Political Opinions of Goan Citizens' Project'

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Shringare, A.		Goa Assembly Election 2017: Endline Survey	Chief Electoral Officer, Goa and Election Commission of India, New Delhi	

Seminars, Conferences, Workshops, organized:

Programme	Date	Major Sponsors
State Politics in India: Perspectives from the Western Region	21 Nov 2017	ICSSR-Western Region, Mumbai
Evolving Global Order and Int. Relations: Perspectives from the Global South	8-9 Dec 2017	Indian Council of World Affairs, New Delhi; World Int. Studies Committee, Zurich; The Dempos Group, Goa
Panel Discussion on the Book 'In the Hall of Mirrors: Reflections on Indian Democracy' By Peter Desouza	24 Mar 2018	The International Centre, Goa

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- George-Rejy, S.M. A Review of literature on demands for smaller states in India: Historical background and emerging trends. *Journal of Indian School of Political Economy*. 29(3-4); 2017; 513-527. <http://www.i-scholar.in/index.php/JISPE/article/view/173686>
- Shringare, A. Interpreting fractured mandate of Goa assembly election 2017: A question of representation. *Social Science in Perspective*. 9(4); 2017; 511-526.

Book chapters

- Desai, P.S. Exploring the modern in medieval: Political ideas of Basava. *Indian Political Thought: Themes and Thinkers (2nd Ed.)*, Ed. by: Himanshu Roy and Mahendra Prasad Singh. Pearson India Education Services Pvt. Ltd., Noida, UP. 2017; 59-80.
- Shringare, A. Rhetoric of participatory development: An analysis of functioning of PRIs in Goa. *Two Decades of Panchayat Raj in India: Experiences, Issues, Challenges and Opportunities*, Ed. by Yatindra Singh Sisodia, Ashish Bhatt, Tapas Kumar Dalapati. Rawat Publications, Jaipur. 2018; 281-289.
- Tripathi, R. Parliament in India's foreign and security policy: From a conscience keeper to active arbiter. *The Indian Parliament and Democratic Transformation*, Ed. by Ajay Mehra, Routledge South Asia Publisher, New Delhi. 2017; 330-341. <http://dx.doi.org/10.4324/9781351259859>.

PhDs:

Degree Awarded:

Submitted:1

Students on Roll: 7

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

- Desai, P.S. Exploring the modern in medieval: Political ideas of Basava. *Nat. Seminar on Indian Political Thought*, 26 Oct 2017. Deen Dayal Upadhyaya College, New Delhi.
- Desai, P.S. Community and state politics: A Study of Lingayts. *Nat. Seminar on Theorising State Politics in India: Challenges and Promises*, 17-18 Nov 2017. Osmania University, Hyderabad/ICSSR-SRC.

- Desai, P.S. Human rights and modern Indian political thought. *Nat. Seminar on Rethinking Human Rights in Modern Era*, 24 Jan 2018. Gangavathi Bhyagamma Rural Degree College, Huvinahadagali, Karnataka.
- Desai, P.S. Nationalist thought in modern India: Exploration of the idea of freedom. *Nat. Seminar on National Movement in Princely States*, 3 Mar 2018. S.R. Kanthi College, Mudhol, Karnataka.
- Shringare, A. New social movements and developmental trajectory: A study of Goa. *Nat. Conf. on State Politics in India: Perspective from Western Region*, 21 Nov 2017. Dhempe College of Arts & Science and Department of Political Science, Goa University.
- Tripathi, R. *Nat. Conf. on State Politics in India: Perspectives from Western Region*, 21 Nov 2017. ICSSR Western Region; Dhempe College Miramar.
- Tripathi, R. Global South: A South Asian perspective. *Int. Conf. on Evolving Global Order and International Relations: Perspectives from the Global South*, 8-9 Dec 2017. Goa University; Indian Council of World Affairs; World International Studies Committee, Zurich.
- Tripathi, R. Political economy of Indira Gandhi regime. *Int. Conf. on 'Indira Gandhi: Revisiting her Policies*, 19-20 Mar 2018. St Agnes College, Mangalore.

Lectures on other occasions

- Tripathi, R. India's role in Middle East-Look East policy (**Invited lecture**). 19 Feb 2018. *Malaviya National Institute of Technology, Jaipur*.
- Tripathi, R. Recovering regionalism in South Asia: SAARC and beyond (**Invited lecture**). 2 May 2018. *School of International Studies, Central University of Gujarat, Gandhinagar*.

Honour & Awards

- Tripathi, R. Nominated as Member, Advisory Committee (Indian Council of Social Science Research, Western Region)
- Tripathi, R. Nominated as **Member, Academic Advisory Committee** (Kolkata Society for Asian Studies, Kolkata)

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

Contractual

- **Yugank Naik, M.A., Assistant Professor** – International Relations, New Social Movement, Latin America, World Cinema
- **Clara Astarloa, M.A., Assistant Professor** – Area of Latin American History, Language, Literature, Creative Writing.

Major Thrust Areas and Achievements:

Thrust areas:

- Brazilian Studies Programme, since 2011
- Regional Grouping of the 'Pacific Alliance' within Latin America, and exploring the full gamut of India's blossoming relations and economic engagement
- Partnership with the College of Naval Warfare at INS Mondovi, Goa, in terms of offering them expertise in the form of specialized instruction
- Memorandum of Understanding (MOU) between Goa University and Institute of Chinese Studies

Achievement:

- Prominent Area Studies Centre, and has been recently evaluated and graded, with 'Four Points' i.e. 'Very Good' rating, at the recent UGC Mid-Term Review exercise

Seminars, Conferences, Workshops, organized:

Programme	Date	Major Sponsors
10. All India Conf. on China Studies: China in Maritime Domain	12 th -14 th Dec. 2017	Indian Council for Social Science Research(ICSSR) and UGC Area Study Programme
1 st India Forum on China (China Latin American Relations)	14 th -15 th Dec. 2017	Institute of Chinese Studies, Delhi and Konrad- Adenauer-Stiftung and Goa university
National Seminar entitled: "China, India and Latin America: Converging	03 rd Oct. 2018	UGC Area Study Programme and Institute of Chinese Studies, New Delhi

Opportunities and Comparative Challenges in Strategic Triangulation”		
2 nd India Forum on China @ Goa ‘Changing Drivers of China’s Economy’	07 th -09 th Dec. 2018	Institute of Chinese Studies, New Delhi and Konrad- Adenauer- Stiftung and Goa university

Research publications:

Articles in journals (in SCI Journals):*

Publications:

1. Prof. Aparajita Gangopadhyay

Will Jair Bolsonaro Destroy the Amazon and its Indians?
<https://www.downtoearth.org.in/blog/forests/will-jair-bolsonaro-destroy-the-amazon-and-its-indians--62088> 12 November 2018

2. Ms. Clara Astarloa – Assistant Professor

Publication and Award:

- A Poet in New York* by Federico Garcia Lorca. **Translation.**
- Lantia Publishing S.L., Spain, 2018. ISBN 9788417105471.
- XVI Pilar Baigorri **Literary Award.** Finalist for the Short Story *A dos Orillas*. Murchante, Spain, 2018.

PhDs:

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

Conference Presentations, Lectures

Conference presentations/lectures

Papers Presented:

Prof. Aparajita Gangopadhyay

- Presented a paper entitled: “India's Foreign Policy and Indira Gandhi: An Analysis”, at the International Conference on *Indira Gandhi-A Visionary: Revisiting Her Policies and Their Impact*, St. Agnes College (Autonomous), Mangaluru, 19-20 March 2018.
- Presented a paper entitled: “Strategizing the Diaspora: Policy Perspectives, Substantive Engagements in Latin America”, at the One Day National Seminar alongwith the Institute of Chinese Studies on *China, India and Latin America: Converging Opportunities And Competitive Challenges In Strategic Triangulation*, Goa University, 03 October 2018.
- Presented a paper entitled, “India’s Soft Power Projections in Latin America”, at the Two day International Conference on **India**, 7-8 June 2017, Buenos Aires, Argentina.

4. Presented and participated a paper entitled: "India-China-Eastern Europe's Relations with Latin America: Some Observations", in the *FIEALC Scientific Forum 2018*, on 19 October 2018, Macau.

Mr. Dattesh Parulekar

1. Presented entitled "*Forging a Converging Compact in India-Latin America Relations: Challenges and Opportunities in Contemporary Engagement*", at the XVIIIth Edition of the Federacion de Internacionale Estudios America Latina y el Caribe (FIEALC), organised by the John Naisbitt University, Belgrade, Serbia, 25th – 28th July, 2017.
2. Presented Research Paper entitled "*Understanding India's SAGAR Doctrine: Forging Security Construct, Fostering Growth Compact, Building Diplomatic Commune within the Indian Ocean Region (IOR)*", at the International Conference themed '*Great Game in the Indian Ocean: Unfolding Interests, Determinants and Perspectives*', organised by the Institute of Transnational Studies (Germany), and the Vivekananda International Foundation (VIF), New Delhi, 28th – 29th October 2017.
3. Presented Research Paper entitled "*The SAGAR Construct: Demystifying Japan's Role as a Strategic Partner*", at the International Conference themed '*India-Japan Symposium 2018*', organised by the Institute for Defence Studies and Analyses (IDSA), New Delhi and the Japan Foundation, 08th December 2018.

Lectures on other occasions

- **Presentations in India and Abroad:**

1. Prof. Aparajita Gangopadhyay

National:

St. Alyosius College, Mangaluru, 19 March 2018.

International:

Argentine Institute of International Relations (CARI) and University of Palermo, Buenos Aires, Argentina.

Universidade Siglo 21, Cordoba, Argentina.

National University of Rosario, Rosario, Argentina.

National University of Rio Cuarto, Rio Cuarto, Argentina.

2. Mr. Dattesh Parulekar

National:

1. Delivered Special Lecture themed "*The Tussle for Ascendant Hegemony in the Indian Ocean Region (IOR): Trajectory of Sino-Indian Competition, Cooperation and Collaboration*", organised by the Naval War College, INS Mandovi, Verem, Goa, 22nd June 2017.
2. Delivered Special Interactive Lecture to the Officials of the Ministry of Foreign Affairs, Israel, themed "*India's Foreign Policy under Prime Minister Modi: Prospects for Israel-India Relations*", at the Consulate General of Israel, Mumbai, 28th June 2017.

3. Delivered Special Lecture themed “*Decoding the Economic Drivers to the Statecraft and Praxis of Indian Foreign Policy*”, at the College of Defence Management (CDM), Secunderabad, 18th July 2017.
4. Delivered Special Panel Lecture themed “*Geopolitical Dynamics in the Indian Ocean Region (IOR): Strategic Implications for India*”, at the National Seminar entitled ‘Indian Maritime Environment and Capability Requirement – Imperatives for Indian Policymakers and Industry’, organised by the Confederation of Indian Industry (CII), New Delhi and the Naval War College (NWC), INS Mandovi, Goa, 08th November 2017.
5. Delivered Special Lecture, themed “*China, India and Latin America: Opportunities and Lessons in Strategic Triangulation*”, at the Special Panel Session on ‘India and China in LAC Region’, at the 10th All India Conference on China Studies (AICCS), organized by Institute for Chinese Studies (ICS) and the UGC Centre for Latin American Studies (UGC-CLAS), at Goa University, 12th – 14th December 2017.
6. Delivered Special Lecture, themed, “*Understanding and Approaching Latin America and the Caribbean (LAC), in India’s Foreign Policy Calculus and Firmament*”, at the Ministry of External Affairs (MEA) – India Foundation (IF) Foreign Policy Workshop, organized at the Pravasiya Bharatiya Kendra (PSK), New Delhi, 28th January – 01st February 2018.

International:

1. Delivered a Special Lecture themed “*MENA Economies: Positioning for a New World (Dis)Order*”, at the International Institute for Strategic Studies (IISS) Bahrain Bay Forum 2017’s Manama Dialogue, Manama, Bahrain, 16th – 17th September 2017.
2. Delivered Special Lecture, themed ‘Asian Regional Cooperation’ at the Strategic Roundtable of the Boao Forum for Asia (BFA) Convention 2018, Qionghai, Hainan, China, 08th – 11th April 2018.

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
- **Sulochana S. Pednekar, M.A.** Assistant Professor – Global Health with special emphasis on Reproductive health of Women, Education, Sanitation and Environment

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. R. Aida Hernandez Castillo	Centre for Advanced Studies in Social Anthropology, Mexico City	Possibilities of Inter-University Collaborations	7 Jun 2017
Prof. Francisca James Hernandez	Pima Community College, Downtown Campus, Tucson, Arizona	Possibilities of Inter-University Collaborations	7 Jun 2017
Ramani Ranjan Sethi	Independent social worker	Caste Based Prostitution	18 Aug 2017
Ms. Daina Dias,	Founder, Wajood NGO	Issues of Transgender in Goa	20 Sep 2017
Prof. N. Jayaram	National Law School, Bangalore	Ph.D Inputs for 4 Phd Scholars	12 Nov 2017
Dr. Prajal Sakardande	Dhempe College of Arts and Science, Miramar- Panaji	Women in Goa's Freedom Struggle	26 Mar 2018

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Desouza, S.	Ongoing	State Resource Centre for Women	Min. of Women and Child Development, GOI and the Dept. of Women and Child, Govt. of Goa	40.00

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
Purple Campaign (Objective: To Create Awareness About Gender Equality and to Sensitize the Students and Create Awareness About the Gender Stereotypes Present in the Society)	13 Sep 2017	Narayan Zantye College of Commerce, Bicholim, Goa
	28 Sep 2017	S.S. Dempo College of Commerce & Economics, Bambolim, Goa
Launch of Goa State Resource Centre for Women and Pre-Marital Counselling Programme	8 Dec 2017	Sangamitra Project
Field Trip to Keri, Canacona (Provide Opportunities to Students to Interact and Understand the Lifestyle, Livelihood and Culture of the Tribal Women in Keri Village in Canacona, Goa)	18-19 Dec 2017	Goa University

Daring Debate (As A Part of Difficult Dialogue)	11 Jan 2018	Sangamitra Project
Difficult Dialogue	9-11 Feb 2018	Difficult Dialogue
Daring Debate	10 Feb 2018	Difficult Dialogue
Women'S Day	8 Mar 2018	Goa University
One Billion Rising Event (Parade for Solidarity)	8 Mar 2018	Sangamitra Project
Seminar on Youth's Intervention for a Gender Just Society	9 Mar 2018	Goa University
Legal Awareness Programme (Workshop) for Anganwadi Teachers in Goa	9 Mar 2018	Goa University

Research publications:

Book Chapters

- Desouza, S. Fielding one's own: Prospects and dilemmas in researching women's collective organizing from within. *Knowing the Social World: Perspectives and Possibilities*, Ed. by: N. Jayaram. Indian Institute of Advanced Study and Orient BlackSwan, Hyderabad. 2017; 345-358.

Articles in conference proceedings

- Pednekar, S. Eco-tourism and institutions: Comparison of turtle sites in Goa and Maharashtra. 9. *Biennial Conf. of Indian Society for Ecological Economics*. Kerala Institute of Local Administration (KILA), Thrissur. 8-10 Nov 2017. 2017; 615-628.

PhDs:

Degree Awarded: NIL

Submitted: NIL

Students on Roll: 5

Conference Presentations, Lectures, etc.

Conference presentations/ lectures:

- Gaikwad, S. Education: A key to Women's empowerment. *Nat. Conf. on Women Empowerment and Rural Development*, 15-16 Mar 2018. Institute of Development Studies, University of Mysore.
- Pednekar S. Eco-Tourism for sustaining tourist destinations: Case study from Goa and Velas Maharashtra, India. *Int. Tourism Conf. on Sustaining Tourist Destinations: Implications for Developing Countries*, 3-5 Nov 2017. The International Centre Goa, Donapaula, Goa.
- Pednekar S. Gender Empowerment and Right to Education Act in Goa, India. *Nat. Conf. on Women Empowerment and Rural Development*, 15-16 Mar 2018. Institute of Development Studies, University of Mysore, Karnataka.
- Velip, S.; Gaonkar, R. Sustainable methods of cultivation used by tribal communities in Goa. *Nat. Conf. on Women Empowerment and Rural Development*, 15-16 Mar 2018. Institute of Development Studies, University of Mysore.

- Kumari, Mamta. 'Reimagining Empowerment and Marginality: A Critical Analysis of Political Participation of Women in Goa' in National Conference on *State Politics in India: Perspective from the Western Region* organized by ICSSR and Department of Political Science, Goa University, 21st November 2017, Dempe College of Arts and Science, Miramar.
- Kumari, Mamta. 'Narratives within Numbers: Women, Crime and Judicial System' in a workshop on *Carceral Logics and Social Justice: A dialogue between practitioners, scholars and activist*, 15- 16 March 2018 organized by Tata Institute of Social Sciences, Mumbai, sponsored by Tokyo Foundation, Japan.
- Pednekar S. Eco-tourism under Different Institutional Framework- Comparison of Turtle Nesting Sites in Goa and Maharashtra. 8-10 November 2017. *Int.Conf. Sustainability, Institutions, Incentives: Voices, Policies And Commitments, Indian Society for Ecological Economics* at Kerala Institute of Local Administration, Thrissur, Kerala.

Lectures on other occasions:

- Desouza, S. Sexual Harassment of Women at the Workplace Act. *97th and 98th Orientation Programme*, 6 Jul 2017. UGC-HRDC, Goa University.
- Desouza, S. Issues Relating to Women. 20 Jul 2017. Nirmala Institute of Education, Altinho, Panaji.
- Desouza, S. Socio-economic impacts of tourism. *Visiting Fellow to the South Asia Program at Cornell University, Ithaca New York*, 3-20 Sep 2017. Tata-Cornell Initiative in Agriculture and Nutrition and the Dyson School of Applied Economics and Management, Cornell University.

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

- **Dakshata Zambulkar**, M.L.I.Sc., NET
- **Supriya Naik**, M.Com.NET, M.L.I.Sc. NET-SET

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

Faculty:

- **N.S. Bhat, Ph.D., Professor and Coordinator (Additional Charge)** – Modern Indian History, History of South Kanara, 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:

- Interdisciplinary research on the varied forms of social marginality, the inclusive policies and programmes
- Dynamics of discrimination and exclusion, caste and differently-abled with an active commitment to furthering democratic practices
- Analysing the policies for protecting the rights of these groups and eradicating the problem of exclusion and discrimination

Research publications:

Articles in journals:

- Gawas, V.M. Analysis of the beneficial provisions of constitutional fifth schedule for tribal development. *International Journal of Law*. 3(4); 2017; 248-253. <http://www.lawjournals.org/download/186/3-4-64-342.pdf>
- Gawas, V.M. Land reforms legislation in Goa: A commentary on controversial sunset clause proposed under the agricultural tenancy amendment act, 2014.

International Journal of Law. 3(5); 2017; 7-12.

<http://www.lawjournals.org/archives/2017/vol3/issue5/3-5-17>

- Gawas, V.M. Doctrinal legal research method a guiding principle in reforming the law and legal system towards the research development. *International Journal of Law*. 3(5); 2017; 128-130.

<http://www.lawjournals.org/archives/2017/vol3/issue5/3-5-130>

- 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.

<http://www.lawjournals.org/archives/2017/vol3/issue3/3-5-148>

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

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 Com. Sci. & 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)
	(Presently Registrar)
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 about 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 of 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 & Solid State Chemistry
- **S.G. Tilve, Ph.D.**, Professor – Organic Chemistry
- **V.S. Nadkarni, Ph.D.**, Professor – Organic Chemistry & Polymer Chemistry
- **Prof. Vijayendra P. Kamat, 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.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
- **S. V. Bhosale, Ph.D.**, Professor – Organic Supramolecular Chemistry
- **S. K. Dey, Ph.D.**, DST Inspire Faculty – Inorganic Chemistry
- **Prem Lama, Ph.D.**, DST Inspire Faculty – Inorganic Chemistry

Contractual

- **Prachi Torney, Ph.D.**, Assistant Professor – Organic Chemistry
- **Sonia Parsekar, Ph.D.**, Assistant Professor – Organic Chemistry
- **Bhanudas R. Naik, Ph.D.**, Assistant Professor – Physical Chemistry
- **Kashinath Dhumaskar, Ph.D.**, Assistant Professor – Analytical Chemistry
- **Kiran T. Dhavskar, Ph.D.**, Assistant Professor – Metal carboxylates, single crystal X-ray diffraction, optical spectroscopy
- **Vrushali S. Joshi, Ph.D.**, Assistant Professor – Physical Chemistry
- **Megha S. Deshpande, Ph.D.**, Post Doctoral research fellow

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Laxman Gouda	Bar-Ilan University, Israel	Applying Combinatorial Material Science and High-throughput Characterization Analysis to Perovskite Solar Cells Research	05 Jul 2017
Dr. Boomi Shankar	IISER, Pune	Supramolecular and Ferroelectric Materials- Concepts and properties	16 Aug 2017
Dr. D. Srinivasa Reddy	NCL, Pune	Recent Trends in Organic Chemistry	19 Aug 2017
Prof. George O'Doherty	North Eastern University, Boston	Recent Trends in Organic Chemistry	19 Aug 2017
Prof. Rodney.A. Fernandes	IIT	Recent Trends in Organic Chemistry	19 Aug 2017
Prof. Suvarn Kulkarni	IIT	Recent Trends in Organic Chemistry	19 Aug 2017
Dr. Vivekanand Gobre	Fritz-Haber-Institut der Max-Planck-Gesellschaft Berlin-Germany	Accurate and Efficient Modeling of Polarization in Complex Materials	22 Sep 2017
Prof. Sumit Bhaduri	IIT, Mumbai	The Language of Chemistry and Chemical Technology	12 Jan 2018
Dr. Ajit Datar	Shimadzu Pvt. Ltd	Mass Spectrometry	15 Mar 2018
Prof. Ravi Fernandes	Physikalisch-Technische Bundesanstalt, Germany	Ignition Delay Measurements of Biofuels, Surrogate Fuels	19 Mar 2018
Dr. Arrke Eskola	University of Helsinki, Finland	Resonance Stabilized Radical-Radical Measurements	19 Mar 2018
Dr. Anand Krishnasamy	IIT Madras, India	Performance of HCCI Engine for Indian Origin Biofuels	19 Mar 2018
Dr. Krithika Narayanaswamy	IIT Madras, India	Development of Reduced Kinetic Models for Surrogate Fuels	19 Mar 2018

Major Thrust Areas and Achievements:

Thrust areas:

- Synthesis, characterization and application of polymers and nanocomposites, synthesis of pure and mixed metal oxide nanoparticles and their applications, synthesis of natural products, developments of reagents for organic synthesis
- Computational and theoretical chemistry
- Synthesis of coordination compounds as models for biological systems, development of catalysts/ electrocatalysts and their use in kinetics evaluation for various fundamental processes related to energy and environment

Achievements:

- Published several research papers in the thrust areas in peer-reviewed national and international journals

Incremental Infrastructure:

- Photochemical Reactor System (Make: Lelesil)
- Cary Eclipse Fluorescence Spectrophotometer (Agilent make)
- Fixed - bed Tubular Catalytic Reactor (Make: Amar Equipment's)
- Chemistry Seminar hall and all class rooms fitted with LCD projectors

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Majik, M.S.	Ongoing	Development of Nucleosides and Marine Natural Products-Based Therapeutics and Their Synthetic Studies	DST	24.00
Majik, M.S.	Completed	Development of Analytical Methods and their Application in Biomolecular and Environmental Research	UGC	6.00
Morajkar, P.P.	Ongoing	Towards higher efficiency and lower emissions using Indian-origin biofuels: Developing a predictive CFD model with well validated reduced combustion kinetic for device scale applications	DST	53.98
Morajkar, P.P.	Ongoing	Effect of Reservoir Rock Composition on Oxidation of Hydrocarbons	DST	48.4
Morajkar, P.P.	Completed	Synthesis Characterization and Photocatalytic Application of Nanocomposites	UGC	6.00
Nadkarni, V.S.	Completed	Development of Novel Polymeric Detectors for Selective Dosimetric Analysis	AERB	25.19
Santosh, G.	Completed	Self Assembly of Amphiphilic	DST	35.00

		Donor Acceptor Dyads in to Nanostructures for Applications in Optoelectronics		
Srinivasan, B.R.	Ongoing	Hydrothermal Synthesis, Characterization and Properties of New S-block Metal-Organic Frameworks	UGC	9.92
Tilve, S.G.	Ongoing	Diastereo and Enantioselective Synthesis of Alkaloids Containing Pyrrolidine and Piperidine Motif	CSIR	24.86
Tilve, S.G.	Ongoing	Intramolecular Dehydrogenative Coupling (IMDC) Reactions for the Synthesis of Heterocyclic Scaffolds	DST-SERB	42.11
Tilve, S.G.	Completed	Green Chemistry Approach for the Synthesis of Bioactive Heterocycles	UGC	9.33

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
Recent Trends in Organic Chemistry	19 Aug 2017	Department of Chemistry
Workshop and Symposium on Thermal Analysis – Thermans 2018	16-20 Jan 2018	Indian Thermal Analysis Society, BRNS, Goa University
The 6 th Annual Home-coming cum Get-together of 1993-95 M.Sc. Chemistry batch after 25 years	26 Jan 2018	Chemistry Department Faculty & Alumni Association
All Goa Chemistry Quiz 2017 for M.Sc. (Chemistry)	16 Feb 2018	Association of Chemistry Teachers (ACT) of Goa
One day 12 th Annual T.Y.BSc. Chemistry Students Symposium	10 March 2018	Goa University and Chemistry Department Faculty & Alumni Association

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- *Bakre, P.V.; Tilve, S.G. Dicarboxylic acids as soft templates for the sol-gel synthesis of mesoporous nano TiO₂ with enhanced photocatalytic activity. *ChemistrySelect*. 2(24); 2017; 7063-7072.
<http://onlinelibrary.wiley.com/doi/10.1002/slct.201701132/full>
- *Bakre, P.V.; Tilve, S.G. Direct access to highly crystalline mesoporous nano TiO₂ using sterically bulky organic acid templates. *Journal of Physics and Chemistry of Solids*. 116; 2018; 234-240.
<https://doi.org/10.1016/j.jpcs.2018.01.043>
- *Bakre, P.V.; Tilve, S.G.; Ghosh, N.N. Investigation of amino acids as templates for the sol-gel synthesis of mesoporous nano TiO₂ for photocatalysis. *Monatshefte fur Chemie - Chemical Monthly*. 149(1); 2018; 11-18.
<https://doi.org/10.1007/s00706-017-2047-0>

- *BenSmail, R.; Chebbi, H.; Srinivasan, B.R.; Zid, M.F. Spectroscopic characterization and room-temperature structure of bis(4-aminopyridinium) dichromate. *Journal of Structural Chemistry*. 58(4); 2017; 724-733. <http://dx.doi.org/10.15372/JSC20170412>
- *Bugde, S.T.; Volvoikar, P.S.; Tilve, S.G. Protecting-group-directed regio- and stereoselective oxymercuration–demercuration: Synthesis of piperidine alkaloids containing 1,2- and 1,3-amino alcohol units. *Synthesis*. 50(5); 2018; 1113-1122. <https://doi.org/10.1055/s-0036-1589523>
- Deoghare, C.; Nadkarni, V.S.; Behera, R.N.; Chauhan, R. Synthesis and characterization of copolymers of methyl methacrylate with N-arylitaconimides via AGET-ATRP. *Journal of Polymer Materials: An International Journal*. 34(2); 2017; 455-466. https://www.researchgate.net/publication/322919978_Synthesis_and_characterization_of_copolymers_of_methyl_methacrylate_with_n-arylitaconimides_via_AGET-ATRP
- *Deshpande, K.B. Adsorptive Removal of Metal Ions from Water using Functionalized Biomaterials. *Recent Patents on Biotechnology*. 11(3); 2017; 155-170. <http://dx.doi.org/10.2174/1872208311666170116145843>
- Dey, S.K.; Dietrich, D.; Wegner, S.; Gil-Hernández, B.; Harmalkar, S.S.; deSousaAmadeu, N.; Janiak, C. Palladium nanoparticle-immobilized porous polyurethane material for quick and efficient heterogeneous catalysis of Suzuki-miyaura cross-coupling reaction at room temperature. *ChemistrySelect*. 3(5); 2018; 1365-1370. <http://dx.doi.org/10.1002/slct.201702083>
- *Dhavskar, K.T.; Butcher, R.J. A comparative structural and property investigation of four new bivalent transition metal complexes based on 4-Nitrophenylacetic acid with rigid 4-Nitrobenzoate analogues. *Inorganica Chimica Acta*. 466; 2017; 180-187. <https://doi.org/10.1016/j.ica.2017.05.027>
- *Gauns-Dessai, P.P.; Verenkar, V.M.S. Structural, electrical and magnetic properties of nanosize and bulk Ni_{0.7}Zn_{0.3}Fe₂O₄ obtained by thermal autocatalytic decomposition of Ni_{0.7}Zn_{0.3}Fe₂(C₄H₂O₄)₃·6N₂H₄ precursor. *Journal of Materials Science: Materials in Electronics*. 29(8); 2018; 6924-6936. <https://doi.org/10.1007/s10854-018-8679-y>
- *Gawas, S.G.; Meena, S.S.; Bhatt, P.; Verenkar, V.M.S. Nanoscale driven structural changes and associated superparamagnetism in magnetically diluted Ni-Zn ferrites. *Materials Chemistry Frontiers*. 2018(2); 2018; 300-312. <http://dx.doi.org/10.1039/C7QM00437K>
- *Gawas, U.B.; Verenkar, V.M.S.; Meena, S. S.; Bhatt, P. Influence of Mn substitution on Mössbauer and magnetic properties of Ni-Zn Ferrite nanoparticles. *Journal of Superconductivity and Novel Magnetism*. 30(11); 2017; 3241-3246. <http://dx.doi.org/10.1007/s10948-017-4149-7>
- Goskulwad, S.P.; La, D.D.; Bhosale, R.S.; Kobaisi, M.A.; Jones, L.A.; Bhosale, Sidhanath.V.; Bhosale, S.V. Nano-Manufacturing Supramolecular Structures of Bio-Inspired Naphthalene Diimide Bolaamphiphile via Solvophobic Controlled Self-Assembly. *ChemistrySelect*. 3(5); 2018; 1460-1465. <http://dx.doi.org/10.1002/slct.201702934>
- *Guo, M.; Lee, Y-M.; Gupta, R.; Seo, M.S.; Ohta, T.; Wang, H-H.; Liu, H-Y.; Dhuri, S.N.; Sarangi, R.; Fukuzumi, S.; Nam, W. Dioxygen activation and O-O bond formation reactions by manganese corroles. *Journal of the American Chemical*

- Society*. 139(44); 2017; 15858-15867.
<http://dx.doi.org/10.1021/jacs.7b08678>
- Kadam, G.G.; Pree, A.; Agarwal, A.; Puyad, A.L.; La, D.D.; Evans, R.A.; Li, J.; Gupta, A.; Bhosale, S.V. Generating a three-dimensional non-fullerene electron acceptor by combining inexpensive spiro[fluorene-9,9'-xanthene] and cyano-pyridone functionalities. *Materials Chemistry Frontiers*. 2(6); 2018; 1090-1096. <http://dx.doi.org/10.1039/C8QM00067K>
 - *Kadam, H.K.; Malik, D.D.; Salgaonkar, L.; Mandrekar, K.; Tilve, S.G. Facile convergent route to indoloquinolines. *Synthetic Communications*. 47(21); 2017; 1980-1984. <https://doi.org/10.1080/00397911.2017.1359303>
 - *Kadam, H.K.; Tilve, S.G. Oxidative Route to Pyrroloisoquinoline-2,3-dione. *Arkivoc*. 2018(3); 2018; 184-190. <https://doi.org/10.24820/ark.5550190.p010.433>
 - *Kim, G.; Yoon, J.-S.; Jarhad, D.B.; Shin, Y.S.; Majik, M.S.; Mulamoottil, V.A.; Qu, X.H.S.; Park, J.; Baik, M.-H.; Jeong, L.S. Asymmetric Synthesis of (–)-6'-Beta-Fluoro-aristeromycin via stereoselective electrophilic fluorination. *Organic Letters*. 19; 2017; 5732-5735. <http://dx.doi.org/10.1021/acs.orglett.7b02470>
 - *Mardolkar, S.D.; Salker, A.V. Efficiently synthesized Co doped Cu₃TeO₆ accounted for its anomalous behavior in electronic properties. *New Journal of Chemistry*. 41; 2017; 13974-13982. <http://dx.doi.org/10.1039/C7NJ02981K>
 - *Menezes, J.C.J.M.D.S.; Edraki, N.; Kamat, S.P.; Khoshneviszadeh, M.; Kayani, Z.; Mirzaei, H.H.; Miri, R.; Erfani, N.; Nejati, M.; Cavaleiro, J.A.S.; Silva, T.B.; Saso, L.; Borges, F.M.; Firuzi, O. Long chain alkyl esters of hydroxycinnamic acids as promising anticancer agents: Selective induction of apoptosis in cancer cells. *Journal of Agricultural and Food Chemistry*. 65(33); 2017; 7228-7239. <http://dx.doi.org/10.1021/acs.jafc.7b01388>
 - *Mhatre, A.M.; Kalsi, P.C.; Pandey, A.K.; Nadkarni, V.S. Track revelation and optical properties of pentaerythritol tetrakis (allyl carbonate) plastic for application as nuclear track detector: effects of gamma radiations. *Radiation Effects and Defects in Solids*. 172(7-8); 2017; 567-574. <http://dx.doi.org/10.1080/10420150.2017.1359599>
 - *Naik, A.P.; Salker, A.V.; Majik, M.S.; Morajkar, P.P. Enhanced photocatalytic degradation of Amaranth dye on mesoporous anatase TiO₂: evidence of C-N, N[double bond, length as m-dash]N bond cleavage and identification of new intermediates. *Photochemical and Photobiological Sciences*. 16; 2017; 1126-1138. <http://dx.doi.org/10.1039/C7PP00090A>
 - *Naik, C.C.; Salker, A.V. Tailoring magnetic and dielectric properties of Co sub(0.9)Cu sub(0.1)Fe sub(2)O sub(4) with substitution of small fractions of Gd sup(3+) ions. *Journal of Materials Science: Materials in Electronics*. 29(7); 2018; 5380-5390. <https://doi.org/10.1007/s10854-017-8504-z>
 - *Naik, C.C.; Salker, A.V. Zirconium diselenite microstructures, formation and mechanism. *Materials Research Express*. 5(4); 2018; Article ID_045023. <http://iopscience.iop.org/article/10.1088/2053-1591/aaba5c/meta>
 - *Naik, M.Z.; Salker, A.V. Effect of indium doping on magnetic properties of cerium oxide nanoparticles. *Materials Chemistry and Physics*. 212; 2018; 336-342. <https://doi.org/10.1016/j.matchemphys.2018.03.043>
 - *Naik, Mayuri.M.; Kamat, V.P.; Tilve, S.G. Copper-mediated synthesis of coumestans via C(sp sup(2))-H functionalization: Protective group free route

- to coumestrol and 4'-O-methylcoumestrol. *Tetrahedron*. 73(37); 2017; 5528-5536. <https://doi.org/10.1016/j.tet.2017.07.057>
- *Narulkar, D.D.; Jalmi-Gaude, T.A.; Dhuri, S.N. Phthalate precursor mediated synthesis of cadmium oxide nanoparticles and their photocatalytic application. *Indian Journal of Chemistry. Section A-Inorganic Bio-Inorganic Physical Theoretical and Analytical Chemistry*. 56(10); 2017; 1014-1020. <http://nopr.niscair.res.in/handle/123456789/42949>
 - *Narulkar, D.D.; Srivastava, A.K.; Butcher, R.J.; Ansy, K.M.; Dhuri, S.N. Synthesis and characterization of N3Py2 ligand-based Cobalt(II), Nickel(II) and Copper(II) catalysts for efficient conversion of hydrocarbons to alcohols. *Inorganica Chimica Acta*. 467; 2017; 405-414. <http://dx.doi.org/10.1016/j.ica.2017.08.027>
 - *Narvekar, A.A.; Fernandes, J.B.; Tilve, S.G. Adsorption behavior of methylene blue on glycerol based carbon materials. *Journal of Environmental Chemical Engineering*. 6(2); 2018; 1714-1725. <https://doi.org/10.1016/j.jece.2018.02.016>
 - *Parab, S.S.; Naik, S.J.; Salker, A.V. Partial oxidation of propylene over as prepared and acid enriched Bi sub(2)Mo sub(1-x)W sub(x)O sub(6) system. *Bulletin of Chemical Reaction Engineering & Catalysis*. 12(2); 2017; 197-205. <https://doi.org/10.9767/bcrec.12.2.702.197-205>
 - *Parab, S.S.; Salker, A.V. Structural and optical properties of Tb and Na-Tb co-doped Ca sub(3)V sub(2)O sub(8) phosphors prepared by sol-gel process. *Materials Research Express*. 5(1); 2017; ArticleID 016302. <https://doi.org/10.1088/2053-1591/aa9efd>
 - *Parvatkar, P.T.; Parameswaran, P.S.; Bandyopadhyay, D.; Mukherjee, S.; Banik, B.K. Microwave-induced bismuth(III)-catalyzed synthesis of linear indoloquinolines. *Tetrahedron Letters*. 58(30); 2017; 2948-2951. <https://doi.org/10.1016/j.tetlet.2017.06.040>
 - *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>
 - *Rao, P.S.; Gupta, A.; Srivani, D.; Bhosale, Sidhanath V.; Bilic, A.; Li, J.; Xiang, W.; Evansf, R.A.; Bhosale, S.V. An efficient non-fullerene acceptor based on central and peripheral naphthalene diimides. *Chemical Communications*. 54(40); 2018; 5062-5065. <https://dx.doi.org/10.1039/C8CC01779D>
 - *Srinivasan, B.R.; Morajkar, S.M.; Khandolkar, S.S.; Nather, C.; Bensch, W. Synthesis, structure and properties of a hexarubidium heptamolybdate with bridging aqua ligands. *Indian Journal of Chemistry. Section A-Inorganic Bio-Inorganic Physical Theoretical and Analytical Chemistry*. 56(6); 2017; 601-609. <http://nopr.niscair.res.in/handle/123456789/39730>
 - *Srinivasan, B.R.; Petrosyan, A.M. Comment on "A Study on the Growth and Characterization of Zinc Sulphate Mono Hydrate Doped Glycine NLO Single Crystals". *Ferroelectrics*. 520(1); 2017; 274-275. <http://dx.doi.org/10.1080/00150193.2017.1388890>
 - *Srinivasan, B.R.; Petrosyan, A.M. Comments on the paper "A study on the growth and characterization of zinc sulphate mono hydrate doped glycine NLO single crystals". *Ferroelectrics*. 520(1); 2017; 274-275. <http://dx.doi.org/10.1080/00150193.2017.1388890>

- *Tilvi, S.; PrabhaDevi; Majik, M.S. Quick elucidation of cyclodepsipeptide sequence from sacoglossan *Elysia grandifolia* using electrospray ionisation-tandem mass spectrometry. *European Journal of Mass Spectrometry*. 23(3); 2017; 92-97.
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- *Volvoikar, P.S.; Tilve, S.G. Tandem Wittig – Reductive annulation decarboxylation approach for the synthesis of indole and 2-substituted indoles. *Tetrahedron Letters*. 59(19); 2018; 1851-1854.
<https://doi.org/10.1016/j.tetlet.2018.04.001>
- *Voronov, A.A.; Alekseeva, K.A.; Ryzhkova, E.A.; Zarubaev, V.V.; Galochkina, A.V.; Zaytsev, V.P.; Majik, M.S.; Tilve, S.G.; Gurbanov, A.V.; Zubkov, F.I. First example of the cascade acylation/IMDAV/ene reaction sequence, leading to N-arylbenzo[f]isoindole-4-carboxylic acids possessing anti-viral activity. *Tetrahedron Letters*. 59(12); 2018; 1108-1111.
<https://doi.org/10.1016/j.tetlet.2018.02.015>
- *Wagalgave, S.M.; DucLa, D.; Bhosale, R.S.; Kobaisi, M.A.; Jones, L.A.; Bhosale, Sidhanath V.; Bhosale, S.V. Fabrication of diverse nano-architectures through the selfassembly of a naphthalene diimide derivative bearing four carbamates. *New Journal of Chemistry*. 42(9); 2018; 6785-6793.
<http://dx.doi.org/10.1039/C7NJ04503D>
- Majik M.S. Bgugaine: an Account of Isolation, Biological Perspective and Synthetic Aspects. *Lett. in Org. Chem.* 14; 2017; 147-152.
- Meena S. N.; Majik M.S.; Ghadi S. C.; Tilve S. G. Quick Identification of Piperidine Alkaloid from Roots of *Grewia nervosa* and Their Glucosidase Inhibitory Activity, *Chem. Biodiversity*. 14; 2017; e1700400.

Patents

- Morajkar, P.; Salker, A.V. (Goa University). Method for synthesizing tungsten trioxide nanorods. Date of filing in Indian Patent Office: 1 Jan 2018. Application No.201821000046

Special issues

- Bhosale, S.V. Ed. Fluorescence Probes for Sensing. *MDPI (A special issue of Sensors that belongs to the section "Chemical Sensors")*. 2018; 306pp.
<http://www.mdpi.com/books/pdfview/book/620>

PhDs:

Degree Awarded: 4

Submitted: 3

Students on Roll: 33

Conference Presentations, Lectures

Conference presentations/ lectures:

- Asogekar, P.A.; Verenkar, V.M.S. Thermal analysis of cobalt zinc ferrous succinato-hydrazinate precursor and study of solid state properties of its thermal product. 21. *Workshop and Symp. on Thermal Analysis (THERMANS-2018)*, 16-20 Jan 2018. Goa University.
- Attigundikar, P.C.; Sinari, U.U.; Narulkar, D.D.; Dhuri, S.N. Synthesis, characterization of Co(III)-peroxo complex: Reactivity study in oxidative nucleophil-

- lic reaction. 2. *Nat. Conf. on New Frontiers in Chemistry-from Fundamentals to Applications-II (NFCFA2017)*, 28-29 Jan 2017. BITS, Pilani Goa Campus.
- Coutinho, D.M.; Verenkar, V.M.S. Magnetic properties of nano and bulk cobalt nickel ferrites synthesized by precursor combustion method (**Best oral presentation prize**). 21. *Workshop and Symp. on Thermal Analysis (THERMANS-2018)*, 16-20 Jan 2018. Goa University.
 - Gauns-Dessai, P.P.; Verenkar, V.M.S. Synthesis, thermal and IR studies of $\text{Ni}_{0.7-x}\text{Mn}_x\text{Zn}_{0.3}\text{Fe}_2(\text{C}_4\text{H}_2\text{O}_4)_{3.6}\text{N}_2\text{H}_4$ - a precursor to $\text{Ni}_{0.7-x}\text{Mn}_x\text{Zn}_{0.3}\text{Fe}_2\text{O}_4$ ($x=0.0, 0.2$ and 0.4). 21. *Workshop and Symp. on Thermal Analysis (THERMANS-2018)*, 16-20 Jan 2018. Goa University.
 - Gawas, U.B.; Verenkar, V.M.S. Anomalous thermoelectric behaviour of Ni-Mn-Zn ferrite nanopowders. 21. *Workshop and Symp. on Thermal Analysis (THERMANS-2018)*, 16-20 Jan 2018. Goa University.
 - Girkar, S.V.; Sawant, A.A.; Naik, G.A. Synthesis of 2(3H) - furanone derivatives from γ -oxobenzenebutanoic acid derivatives. *Recent Advances in Applied Chemistry and Electronic Technologies*, 16-17 Feb 2018. St. Xavier's College, Goa.
 - Harmalkar, S.S.; Narulkar, D.D.; Dhuri, S.N. Characterization and reactivity of cobalt(II) and cobalt(III)-peroxy compounds stabilized by non-heme tetradentate ligand BQCN. 17. *Symp. on Modern Trends in Inorganic Chemistry*, 11-14 Dec 2017. ISSER, Pune.
 - Kajoli, S. Naik, S.; Fatarpekar, S.; Majik, M.S. Isolations, purification and characterization of coloured compounds from Bixa orellana seeds: Antidiabetic study of crude extract (**Poster**). 2. *Nat. Conf. New Frontiers in Chemistry*, 28-29 Jan 2017. BITS, Pilani Goa campus.
 - Kerkar, R.D.; Salker, A.V. Thermal and catalytic study on pristine and substituted chromium oxide catalyst. 21. *Symp. on Thermal Analysis (Thermans-2018)*, 16-20 Jan 2018. Goa University.
 - Kerkar, R.D.; Salker, A.V. Catalytic detoxification of NO and CO over indium oxide composite. 23. *Nat. Symp. on Catalysis, Bangaluru*, 17-19 Jan 2018. Poornaprajna Institute of Scientific Research.
 - Majik, M.S. Isolation of bioactive Ergosta-5,7,22-trien-3Beta-ol from marine green algae Enteromorpha: Synthetic modifications and biological activities. 21. *Chemical Research Society India-ACS Symp.*, 13-16 Jul 2017. IICT-Hyderabad.
 - Majik, M.S. Careers in Chemistry. *Workshop on Exploring new Research Areas in Sciences*, 8 Aug 2017. Dnyanprasarak Mandal's College and Research Centre, Mapusa.
 - Majik, M.S. Analytical methods for isolation, purification, characterization of biomolecules (**Invited lecture**). *Workshop on Chemical Analysis of Biomolecules and Computation*, 23-24 Nov 2017. Goa University.
 - Majik, M.S. Advance mass spectrometry for identification of peptides and biomolecules (**Invited lecture**). *Workshop on Chemical Analysis of Biomolecules and Computation*, 23-24 Nov 2017. Goa University.
 - Majik, M.S. Asymmetric synthesis of 6'-Fluoroaristeromycin analogues as potential S-Adenosylhomocysteine hydrolase inhibitor (**Best Oral Presentation Award**). *Nat. Conf. on Recent Developments in Chemical Sciences (RDCS-2018)*, 8-9 Mar 2018. University of Mumbai.

- Mardolkar, S.D.; Salker, A.V. Synthesis, thermal and electrical properties of metal tellurites. *21. Symp. on Thermal Analysis (Thermans-2018)*, 16-20 Jan 2018. Goa University.
- Mardolkar, S.D.; Salker, A.V. Thermal studies of some non-aqueous and aqueous phorphyrins with copper as a transition metal. *21. Symp. on Thermal Analysis (Thermans-2018)*, 16-20 Jan 2018. Goa University.
- Mhatre, A.; Kalsi, P.C.; Nadkarni, V.S. Standardization of ingeniously prepared PETAC homopolymer for high dose level gamma ray dosimetry. *Indian Association of Solid State Chemists and Allied Scientists (ISCAS-2018)*, 4-6 Mar 2018. ISCAS Institute of Solid State and Materials Science, Jammu University Campus, Jammu.
- Morajkar, P.P. Evidence of CN and N=N bond cleavage of Amaranth on TiO₂. *21st CRSI Nat. Symp. in Chemistry*, 14-16 Jul 2017. IICT Hyderabad.
- Morajkar, P.P. Nanostructured materials of treatment of biodiesel exhaust gas emissions. *Workshop on Gas Phase Chemistry of Hydrocarbon oxidation*, 7 May 2018. PTB, Germany.
- Nadkarni, V.S. ¹³C NMR Spectroscopy-theory and examples (**Resource person**). *Nat. Workshop on Advanced Spectroscopic Techniques*, 9-10 Feb 2018. Royal Society of Chemistry, West India Section & Gogate-Jogalekar College, Ratnagiri.
- Naik, C.C.; Salker, A.V. Thermal and electrical studies of Gd³⁺ substituted cobalt-Copper ferrite prepared by sol-gel auto combustion method. *21. Symp. on Thermal Analysis (Thermans-2018)*, 16-20 Jan 2018. Goa University.
- Narulkar, D.D.; Dhuri, S.N. Trans-Ruthenium(VI)-Dioxo Complex in the Hydride Transfer and H-atom Abstraction reactions. *21. CRSI-ACS Nat. Symp. in Chemistry*, 14-16 Jul 2017. CSIR-Indian Institute of Chemical Technology, Hyderabad.
- Parmekar, M.V.; FalDesai, M.S.; Salker, A.V. Ag supported on MnO₂: A low temperature catalyst for NO reduction by CO. *23. Nat. Symp. on Catalysis, Bangalore*, 17-19 Jan 2018. Poornaprajna Institute of Scientific Research.
- Pawar, Vishal M., Shetgaonkar, Abhijit D., Rupali Pal, Bakshi, A K, Mudit Beck and Nadkarni Vishnu S., Synthesis of novel Polymer poly(APCC-co-ADC) for Neutron Dosimetry, Oral presentation at DAE-BRNS 13th National Symposium on Nuclear and Radiochemistry- 2017, KIIT University, Bhubaneswar, February 6-10, 2017
- Pawar, V.M.; Pal, R.; Bakshi, A.K.; Beck, M.; Nadkarni, V.S. Neutron Dosimetry using Boron Containing Polymers. *20. Nat. Conf. on Solid State Nuclear Track Detectors and their Applications*, 26-28 Oct 2017. Nuclear Track Society of India & V V Institute of Engineering & Technology, Mysuru.
- Raiker, L.; Shirodkar, S.; Majik, M.S. Phytochemical screening, isolations, purification and characterization of bioactive sterols from marine algae (**Poster**). *2. Nat. Conf. New Frontiers in Chemistry*, 28-29 Jan 2017. BITS, Pilani Goa campus.
- Rodrigues, L.; Tilve, S.G.; Majik, M.S. Conversion of Elemol to commercially important sesquiterpenes: Synthetic studies and biological activities. *Nat. Conf. on Recent Developments in Chemical Sciences (RDSCS-2018)*, 8-9 Mar 2018. University of Mumbai.

- Salker, A.V. Adsorption identification on solids and applications by thermal techniques **(Invited Lecture)**. 21. *Symp. on Thermal Analysis (Thermans-2018)*, 16-20 Jan 2018. Goa University.
- Deshpande K. Recent advances of enzymatic assay: Micro to Nano and its applications **(oral presentation)**. *International conference on potential impact of pesticides on environment and human health (ICPIPEHH-2017)*, 2-4 Nov 2017. School of Engineering, Dayanand Sagar University, Bangalore.
- Deshpande K. Advances in enzymatic assay for monitoring sustainable environment **(oral presentation)**. *National conference on changing environment*, 8-9 March 2017. Dempo college of Arts and Science, Goa.
- Prabhu Dessai S.; Ainkar S.; Prabhu Desai P.; Naik S.; Deshpande K. Effective Removal of Contaminants of Emerging concern from Waste water **(Poster)**. *Recent Advances in Applied Chemistry and Electronic Technologies*, 16-17 Feb 2018. St. Xavier's College, Goa.
- Bhosale S. V. Concepts Transfer from Nature. *Recent Advances in Chemical and Biochemical Sciences (RACBS-2018)*, 16-17 Feb 2018. Commerce & Science College, Sonai, Tal. Newasa, Dist. Ahmednagar. **(Resource Person)**
- Bhosale S. V. Creating supramolecular functional structures from small organic molecules. *International Conference on Advances in Chemical Sciences (IC-ACS 2018)*. 1-3Feb 2018. Department of Chemistry, Shivaji University, Kolhapur. **(Invited Plenary talk)**

Lectures on other occasions:

- Majik, M.S. Analytical methods for identification of biomolecules: Purification, Identification and Characterization. Refresher course in Chemistry, 1-21 Dec 2017. UGC-HRDC, Goa University.
- Morajkar, P.P. Course in Chemical Kinetics. 8-9 Mar 2018. Govt. College of Arts, Science & Commerce, Khandola, Goa.
- Salker, A.V. Environmental aspects. 16 Sep 2017. PES College of Arts & Sci., Farmagudi.
- Salker, A.V. Atmospheric environment and behaviour. 21 Sep 2017. Dhempe College of Arts & Sci., Panaji.
- Deshpande K. Advances in Analytical chemistry. Refresher course in Chemistry, 1-21 Dec 2017. UGC-HRDC, Goa University.
- Bhosale S. V. Concepts Transfer from Nature. 7th March 2018. Govt. College of Arts, Science & Commerce, Quepem-Goa. **(Guest Lecture)**
- Bhosale S. V. Supramolecular Chemistry: Functional Structures on the Nano-scale. 16 February 2018. National Chemical Laboratory, Pune. **(Invited Guest Lecture)**

Honour & Awards

- Salker, A.V. **Dewang Mehta National Education Award** (Dewang Mehta Foundation) 2017

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. Rama Mishra	IISER Pune	Knot theory	29 Sep 2017
Prof Sara Faridi	Dalhousie University, Canada	The Algebra of Graphs	19 Feb 2018

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- *Arolkar, S.; Valaulikar, Y.S. On two new classes of B-q-bonacci polynomials. *Journal of Integer Sequences*. 21; 2018; ArticleID_18.4.1. <https://www.emis.de/journals/JIS/VOL21/Valaulikar/valau4.pdf>

PhDs:

Degree Awarded: **NIL**

Submitted: **NIL**

Students on Roll: **27**

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.
- **Jarret Stevan Anthony Fernandes**, Assistant Professor - Human-Computer Interaction, Software Architecture/Engineering, Mobile Tech.
- **Preeti R. Khorjuvenkar**, Assistant Professor - Data Structures, Natural Language Processing (NLP), Evolutionary and Swarm based algorithms

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Adarsh Jois	Amazon	Deep Learning	5-6 Mar 2018
Santosh Kenkre, Justine Shon, Andre Shackelton Pravin Sabnis	Persistent Systems AOL Unlearning Unlimited	Soft Skills Workshop	5-8 Dec 2017
Valencia Serrao	Persistent Systems	Hadoop	10 -11Sep 2018
Joan Pinto	Counsellor	Breaking the Ice	27June 2018

Major Thrust Areas and Achievements:

Achievement:

- Natural Language Processing – The department has successfully completed two projects which created very useful resources for NLP Research for Konkani Language.

Incremental Infrastructure:

- 20 new machines were added to the labs

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Int. Conf. on Data Science & Management of Data (CoDS-COMAD)	11-13 Jan 2018	Google, Myntra, IBM, TCS, American Express, Adobe, Oracle, Microsoft, Nvidia, Amazon, Goldman Sachs
ACM Summer School on Data Science	4-16 Jun 2018	ACM, Goa University, Robert Bosch GmbH
Drupal Camp Goa	10-11 Mar 2018	Srijan Technologies Pvt Ltd
2nd Oracle Academy Virtual Student Day	26 Feb 2018	Oracle
Workshop for Enhancement of Soft Skills and Technical Skills	5-9 Dec 2017	DCST

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- *Asnani, K.; Pawar, J.D. Extraction of code-mixed aspect topics in semantic representation. *Computacion y Sistemas*. 22(1); 2018; 55-63.
<http://dx.doi.org/10.13053/CyS-22-1-2771>
- Asnani, K.; Pawar, J.D. Automatic aspect extraction using lexical semantic knowledge in code-mixed context. *Procedia Computer Science*. 112; 2017; 693-702. <https://doi.org/10.1016/j.procs.2017.08.146>
- FalDessai, N.B.; Naik, G.A.; Pawar, J.D. Implementation of a TTS system for Devanagari Konkani language using Festival. *International Journal of Advanced Research in Computer Science*. 8(5); 2017; 386-391.
<http://www.ijarcs.info/index.php/Ijarcs/article/download/3309/3341>
- Faldessai, N.B.; Naik, G.A.; Pawar, J.D. Review of syllable based text to speech systems: Strategies for enhancing naturalness for Devanagari languages. *International Journal of Computer Science and Applications*. 14(2); 2017; 120pp-19. <http://www.tmrfindia.org/ijcsa/v14i21.pdf>
- Gauns-Dessai, K.; Kamat, V.V. Security analysis of conventional/electronic summative assessments . *International Journal of Advanced Research in Computer Science* . 9(1); 2018; 155-162.
<http://www.ijarcs.info/index.php/Ijarcs/article/viewFile/5276/4471>
- Gawde, G.S.; Pawar, J.D. Efficient LCSS distance measure for searching of similar time series trajectories. *International Journal of Science Technology & Engineering*. 3(9); 2017; 94-100.
<http://www.ijste.org/articles/IJSTEV3I9045.pdf>
- *Tatkar, D.; Kelkar, G.; Kamat, V.V. Feature recognition from mesh models. *International Journal of Computer Aided Engineering and Technology*. 9(3); 2017; 289-306. <https://doi.org/10.1504/IJCAET.2017.084900>

Articles in conference proceedings:

- Akhtar, Md.S.; Sawant, P.; Ekbal, A.; Pawar, J.D.; Bhattacharyya, P. IITP at EmoInt-2017: Measuring intensity of emotions using sentence embeddings and optimized features. *Proceedings of the 8th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis*, Copenhagen, Denmark. 7–11 Sep 2017. 212-218.
<http://www.aclweb.org/anthology/W/W17/W17-52.pdf#page=228>
- Bhagat, P.; Pawar, J.D. A comparative study of feature extraction methods from user reviews for recommender systems. *Proc. of the ACM India Joint International Conference on Data Science and Management of Data (CoDS-COMAD'18)*. Goa, India. 11-13 Jan 2018. 325-328.
<http://dx.doi.org/10.1145/3152494.3167982>
- FalDessai, N.; Naik, G.; Pawar, J.D. Development of Konkani TTS system using concatenative synthesis. *Int. Conf. on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)*, 16-17 Dec 2016. 2016; 344-348. <http://dx.doi.org/10.1109/ICCICCT.2016.7987971>
- Faldessai, N.; Pawar, J.D.; Naik, G. Syllabification: An effective approach for a TTS system for Konkani. 2016 *Int. Conf. on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT 2016)*. 2017; 161-167. <https://dx.doi.org/10.1109/ICEECCOT.2016.7955207>
- Gawde, G.; Pawar, J.D. Enhanced minimum description length preprocessing of time series trajectories. *Int. Conf. on Innovations in Information, Embedded and Communication Systems (ICIIECS)*, 17-18 March 2017. 2017; 5pp. <http://dx.doi.org/10.1109/ICIIECS.2017.8275911>
- Gawde, G.; Pawar, J.D. Shape based time series reduction using PCA. *Int. Conf. on Innovations in Information, Embedded and Communication Systems (ICIIECS)*, 17-18 March 2017. 2017; 4pp. <http://dx.doi.org/10.1109/ICIIECS.2017.8275897>
- Gawde, G.; Pawar, J.D. Similarity search of time series trajectories based on shape. *Proc. of the ACM India Joint International Conference on Data Science and Management of Data (CoDS-COMAD'18)*. Goa, India. 11-13 Jan 2019. 340-343. <http://dx.doi.org/10.1145/3152494.3167986>
- Jadhav, S.; Pawar, J.D. BharataNatyam dance classification with rough set tools. *ICT Based Innovations*, Ed. by: Saini, A.; Nayak, A.; Vyas, R. *Advances in Intelligent Systems and Computing*, 653; 2018; 75-81.
https://doi.org/10.1007/978-981-10-6602-3_8
- Naik, S.B.; Pawar, J.D. A single-pass algorithm for incremental mining patterns over data streams. *Int. Conf. on Intelligent Computing, Instrumentation and Control Technologies, ICICICT-2017*. 2018; 565-569.
<http://dx.doi.org/10.1109/ICICICT1.2017.8342625>
- Naik, S.B.; Pawar, J.D. Clustering attribute values in transitional data streams. *Int. Conf. on Computing, Communication and Automation (ICCCA)*, 5-6 May 2017. 2017; 58-62. <http://dx.doi.org/10.1109/CCAA.2017.8229771>

- Naik, S.B.; Pawar, J.D. Mining association rules between values across attributes in data streams. *Int. Conf. on Computational Intelligence in Data Science (ICCIDS)*, 2-3 Jun 2017. 2017; 6pp.
<http://dx.doi.org/10.1109/ICCIDS.2017.8272634>
- Phadte A. Resource creation for training and testing of normalisation systems for Konkani-English code-mixed social media text. *Natural Language Processing and Information Systems*, Ed. by: Silberztein M., Atigui F., Kornysheva E., Métais E., Meziane F. *NLDB 2018. Lecture Notes in Computer Science*. Springer, Cham. 10859; 2018; 264-271. https://doi.org/10.1007/978-3-319-91947-8_26
- Phadte A.; Arsekar R. Part-of-speech tagger for Konkani-English code-mixed social media text. *Natural Language Processing and Information Systems*, Ed. by: Silberztein M., Atigui F., Kornysheva E., Métais E., Meziane F. *NLDB 2018. Lecture Notes in Computer Science*. Springer, Cham. 10859; 2018; 303-307. https://doi.org/10.1007/978-3-319-91947-8_31

Book chapter:

- Kamble, S.; Baskar, S. Learning to classify Marathi questions and identify answer type using machine learning technique. *Advances in Machine Learning and Data Science*, Ed. by: Reddy Edla D.; Lingras P.; Venkatanareshbabu K. *Advances in Intelligent Systems and Computing*. Springer, Singapore. 705; 2018; 33-41. https://doi.org/10.1007/978-981-10-8569-7_4

PhDs:

Degree Awarded: 4

Submitted: 2

Students on Roll: 10

Department of Physics

Faculty:

Full-time

- **R.B. Tangsali**, *Ph.D.*, Professor – Condensed matter Physics (Theoretical Physics, Nano-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
- **Pallavi P Gawde** M. Sc., Assistant Professor -Theoretical Condensed Matter 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

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Kalobarn Maiti	Tata Institute of fundamental Research, Mumbai	Topological Insulators	1 Dec 2017
Dr. E.S. Kannan	BITS Pillani, K.K. Birla Goa Campus, Goa	Transport and Gas Sensing Properties of Graphene Oxide Composites	1 Dec 2017
Prof. Arun V. Kulkarni	BITS Pillani, K.K. Birla Goa Campus, Goa	LIGO, GW Detection and Some Physics	1 Dec 2017
Prof. Lekha Nair	Physics Department, Jamia Millia Islamia, New Delhi	Knowledge from Damage: Ion Beam Interactions with Surfaces and Molecules	3 Jan 2018
Prof. Mehmet Acet	Universitat Duisburg-Essen, Duisburg, Germany	Shell Ferromagnetism	9 Mar 2018

Major Thrust Areas:

- Condensed Matter Physics

Incremental Infrastructure:

- Gloves-Box System with microbalance
- Turbo-Molecular pump system
- Optical Table – Optical trapping set up.
- Upright Hourense Microscope with 633 n.m. laser illumination
- 785 nm spectrum stabilized Laser Source

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Desa, J.A.E.	Completed	Temperature Dependent Studies of Some Glass Structures and Structures of Some Superparamagnetic Glasses	UGC-DAE	1.25
Pahari, B.	Ongoing	Solid state NMR and computational study to probe the structural, defects and ion conduction mechanistic features in anti-perovskite based electrolyte materials	DST-SERB	29.00
Pahari, B.	Completed	Advanced Solid state NMR on transparent conducting oxides	UGC-start Up Grants	6.00
Pahari, B	Ongoing	To rationalize the composition structure , property relationship in $\text{Na}_{3+x}\text{Sc}_2(\text{SiO}_4)_x(\text{PO}_4)_{3-x}$: UGC – DAF -CRS		12.58
Pai, R.V.	Ongoing	Quantum Phases of Spin-1 Bosonic Atoms in Bichromatic Superlattices	UGC	14.39
	Ongoing	Effect of Site Occupancy Disorder on Martensitic Transformation in Mn Rich Magnetic Shape Memory Alloys	CSIR, New Delhi	10.9
Priolkar, K.R.	Completed	Effect of Structural Disorder on Martensitic Transformation in Shape Memory Alloys	DST	59.02
Raut-Desai, R.; Desa, J.A.E.	Completed	Mesoscopic Structural Investigation on Magnetic Porous Materials by SANS	UGC-DAE	1.35
Sudhir, Cherukulappurath	Ongoing	Optical Manipulation and Trapping Single Gold Shell Encapsulated Semiconductor Quantum Dots and Applications Towards Bioimaging	SERB-DST	49.5
Sudhir, Cherukulappurath	Ongoing	Reduced graphene Oxide- Gold Nanoparticles composite based SERB Spectroscopy.	UGC-DAE	5.75
Priolkar K. R.	Ongoing	Understanding dynamics of magnetostructural transition in manganese intermetallics undergoing first order phase transition	DST-SERB	41.16

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
GIAN Course: Phase Transition and Their Technological Applications, By. Prof. Mehmet Acet, Universitat Duisburg-Essen, Duisburg, Germany	5-19 Mar 2018	GIAN, MHRD, New Delhi
GOA PHYSICS RESEARCH MEET	1 December 2017	Goa University
Refresher Course in Experimental Physics	12-27 Nov 2018	Joint Science Education Panel of Science Academies, Bangalore

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- *Bhamu, K.C.; Praveen, C.S. Thermoelectric properties of 2H-CuGaO₂ for device applications: A first principle TB-mBJ potential study. *Journal of Solid State Chemistry*. 256; 2017; 101-108.
<https://doi.org/10.1016/j.jssc.2017.08.008>
- *Bhamu, K.C.; Sahariya J.; Vyas R.; Priolkar K.R. Density functional study of AgScO₂: Electronic and Optical properties. *Pramana – Journal of Physics*. 89; 2017; ArticleID 11. <https://doi.org/10.1007/s12043-017-1399-7>
- *Bhamu, K.C.; Soni, A.; Sahariya, J. Revealing optoelectronic and transport properties of potential perovskites Cs₂PdX₆ (X = Cl, Br): A probe from density functional theory (DFT). *Solar Energy*. 162; 2018; 336-343.
<https://doi.org/10.1016/j.solener.2018.01.059>
- *Cakır, O.; Cugini, C.; Solzi, M.; Priolkar, K.R.; Acet, M.; Farle, M. Dynamics of nonergodic ferromagnetic/antiferromagnetic ordering and magnetocalorics in antiperovskite Mn₃SnC. *Physical Review B*. 96(1); 2017; ArticleID 014436.
<https://doi.org/10.1103/PhysRevB.96.014436>
- *Dias, E.T.; Priolkar, K.R.; Nigam, A.K.; Singh, R.; Das, A.; Aquilanti, G. Phase-separated magnetic ground state in Mn sub(3)Ga sub(0.45)Sn sub(0.55)C. *Physical Review B*. 95(14); 2017; ArticleID 144418.
<http://dx.doi.org/10.1103/PhysRevB.95.144418>
- *Dias, E.T.; Priolkar, K.R.; Ranjan, R.; Nigam, A.K.; Emura, S. Mechanism of magnetostructural transformation in multifunctional Mn sub(3)GaC. *Journal of Applied Physics*. 122(10); 2017; ArticleID_103906.
<http://doi.org/10.1063/1.4996933>
- *Jeyakanthan, M.; UmaSubramanian; Tangsali, R.B. Enhanced photoluminescence of CoWO sub(4) in CoWO sub(4)/PbWO sub(4) nanocomposites. *Journal of Materials Science: Materials in Electronics*. 29(3); 2018; 1914-1924.
<https://doi.org/10.1007/s10854-017-8101-1>
- #Joseph, J.; Tangsali, R.B.; Gurav, S.M. Resistivity-thermo power co-relation derived temperature dependent transport behaviour of Mn(x)Zn(1-

- x)Fe(2)O(4) nanoparticles. *Journal of Taibah University for Science*. 11(4); 2017; 654-660. <http://dx.doi.org/10.1016/j.jtusci.2016.09.005>
- *Joshi, H.; Rai, D.P.; Verma, K.D.; Bhamu, K.C.; Thapa, R.K. Thermoelectric properties of tetragonal half-Heusler compounds, TiXSb (X = Ge, Si): A probe from Density Functional Theory (DFT). *Journal of Alloys and Compounds*. 726; 2017; 1155-1160. <https://doi.org/10.1016/j.jallcom.2017.08.065>
 - *Kushwaha, S.; Karthikayini, M.P.; Wang, G.; Mandal, S.; Bhobe, P.A.; Ramani, V.K.; Priolkar, K.R.; Ramanujam, K. A non-platinum counter electrode, MnN sub(x)/C, for dye-sensitized solar cell applications. *Applied Surface Science*. 418A; 2017; 179-185. <http://dx.doi.org/10.1016/j.apsusc.2016.12.140>
 - *Lawrence, M.B.; Desa, J.A.E.; Aswal, V.K. Reentrant behaviour in polyvinyl alcohol-borax hydrogels. *Materials Research Express*. 5(1); 2018. <https://doi.org/10.1088/2053-1591/aaa6e6>
 - *LokeswaraRao, P.; Pahari, B.; Shivanand, M.; Shet, T.; Ramanathan, K.V. NMR investigations unveil phase composition–property correlations in Sr sub(0.55)Na sub(0.45)SiO sub(2.775) fast ion conductor. *Solid State Nuclear Magnetic Resonance*. 84; 2017; 204-209. <https://doi.org/10.1016/j.ssnmr.2017.05.001>
 - *Mahmood, Q.; Yaseen, M.; Bhamu, K.C.; Mahmood, A.; Javed, Y.; Ramay, S.M. Magnetism, optical, and thermoelectric response of CdFe sub(2)O sub(4) by using DFT scheme. *Chinese Physics B*. 27(3); 2018; ArticleID_037103. <http://dx.doi.org/10.1088/1674-1056/27/3/037103>
 - *Naik, P.P.; Tangsali, R.B. Enduring effect of rare earth (Nd sup(3+)) doping and gamma-radiation on electrical properties of nanoparticle manganese zinc ferrite. *Journal of Alloys and Compounds*. 723; 2017; 266-275. <https://doi.org/10.1016/j.jallcom.2017.06.207>
 - *Nayak, M.T.; Desa, J.A.E.; Babu, P.D. Magnetic and spectroscopic studies of an iron lithium calcium silicate glass and ceramic. *Journal of Non-Crystalline Solids*. 484; 2018; 1-7. <https://doi.org/10.1016/j.jnoncrysol.2017.12.050>
 - *Nevgi, R.; Priolkar, K.R. Unusual strain glassy phase in Fe doped Ni sub(2)Mn sub(1.5)In sub(0.5). *Applied Physics Letters*. 112(2); 2018; ArticleID 022409. <https://doi.org/10.1063/1.5004054>
 - *Priolkar, K.R. XAFS as a tool for study of persistent luminescence bio-markers. *Transactions of the Indian Ceramic Society*. 76(2); 2017; 85-96. <http://dx.doi.org/10.1080/0371750X.2017.1323677>
 - cs#Sahariya, J.; Kumar, P.; Soni, A.; Bhamu, K.C. Electronic and optical properties of ZnAl sub(2)Se sub(4) and its use in solar cell. *Macromolecular Symposia*. 376(1); 2017; ArticleID 1600203. <http://doi.org/10.1002/masy.201600203>
 - *Thayapurath, S.; Dias, A.B.; Desa, E.J.A.; Sahay, A. An algorithm to determine the slope of the spectral absorption of colored dissolved organic matter (CDOM) and detritus. *Journal of the Indian Society of Remote Sensing*. 46(4); 2018; 625-631. <https://doi.org/10.1007/s12524-017-0722-6>

Articles in conference proceedings:

- Alavani, B.K.; Gaude, P.P.; Pai, R.V. Random phase approximation and cluster mean field studies of hard core Bose Hubbard model. *AIP Conference Proceedings*. 1942(1); 2018; ArticleID_030005. <https://doi.org/10.1063/1.5028586>

- Bhamu, K.C. Temperature and pressure dependent thermodynamic behavior of 2H-CuInO sub(2). *AIP Conference Proceedings*. 1953(1); 2018; Article ID 130023. <https://doi.org/10.1063/1.5033167>
- Maurya, S.; Sharma, R.; Bhamu, K.C. Half-metallic ferromagnetism in Fe, Co and Ni doped BaS: First principles calculations. *AIP Conference Proceedings*. 1942(1); 2018; ArticleID_120003. <https://doi.org/10.1063/1.5029043>
- Naik, M.S.; Sarode, P.R.; Priolkar, K.R.; Prabhu, R.B. Structure refinement of Zn and Pr-doped Y-Ba-Cu-oxides. *AIP Conference Proceedings*. 1953(1); 2018; Article ID 120018. <https://doi.org/10.1063/1.5033083>
- Nayak, M.T.; Desa, J.A.E.; Babu, P.D. Magnetic properties of Fe-Nd Silica Glass Ceramics. *DAE Solid State Physics Symposium*. 2017; Article ID 70006-4. <https://doi.org/10.1063/1.5028804>
- Nevgi, R.; Priolkar, K.R.; Righi, L. Investigation of route to martensitic transition in Ni-Mn-In shape memory alloys. *AIP Conference Proceedings*. 1942(1); 2018; ArticleID_030016. <https://doi.org/10.1063/1.5028597>
- Raut-Dessai, R.; Desa, J.A.E.; Sen, D.; Babu, P.D. Nanometric study of nickel oxide prepared by sol gel process. *AIP Conference Proceedings*. 1942(1); 2018; ArticleID_050052. <https://doi.org/10.1063/1.5028683>
- Sarode, P.R.; Asakura, K.; Priolkar, K.R.; Hegde, M.S. EXAFS study of Ti sub(0.98)Pd sub(0.02)O sub(2-delta) catalyst. *AIP Conference Proceedings*. 1953(1); 2018; Article ID 070009. <https://doi.org/10.1063/1.5032787>

PhDs:

Degree Awarded: 2

Submitted: NIL

Students on Roll: 18

Conference Presentations, Lectures, etc.

Conference presentations/ lectures:

- Pai, R.V. Bose Hubbard model: Phases and excitations **(Invited Lecture)**. *Int. Workshop on Bose-Einstein Condensation and Related Phenomena*, 26-28 March 2018. S.N. Bose National Centre for Basic Sciences, Kolkata.
- Pai, R.V. Cluster mean field theory for 2-dimensional spin-1 Bose Hubbard model **(Invited Lecture)**. *Int. Conf. on Recent Trends in Cold and Ultracold Matter*, 27-29 Mar 2018. IIT Guwahati.
- Priolkar, K.R. Antiferromagnetism in Cubic Antiperovskites **(Invited lecture)**. *Nat. Conf. on Recent Trends in Condensed Matter Physics*, 31 Oct-3 Nov 2017. Bose Institute, Kolkata.
- Priolkar, K.R. Investigation of Route to Martensitic Transition in Ni-Mn-In Shape Memory Alloys. *DAE Solid State Physics Symposium*, 26-30 Dec 2017. Bhabha Atomic Research Centre, Mumbai.
- Priolkar, K.R. Understanding magnetostructural interactions in Ni-Mn based Heusler alloys **(Invited lecture)**. *Indo Italy Workshop on Accelerator based photon sources as a versatile tool to probe matter: Present scope and outlook*, 27-29 Mar 2018. IISc, Bangalore.
- Priolkar, K.R. Near Infrared Persistent Luminescence: Insights through EXAFS **(Invited lecture)**. *Nat. Conf. on Optics, Photonics and Synchrotron Radiation for Technological Applications*, 29 Apr-2 May 2018. RRCAT, Indore.

- Sudhir, C. Hybrid photonic-plasmonic nanoresonators for enhanced refractive index sensing. *Int. Conf. on Nano Science and Technology (ICONSAT-2018)*, 21-23 Mar 2018. Centre for Nano and Soft Matter Science (CeNS), Bengaluru.
- Hyam R.S.: Electron transport and charge transfer dynamics in TiO₂ nanostructures for photocatalysis application. Workshop on Spectroscopy and Dynamics of Photoinduced Electronic Excitations. 7-12 May 2017, ICTP, Italy.

Lectures on other occasions:

- Pai, R.V. Documentation using LaTeX. *Board of Extra Mural Studies and Extension Services, Goa University*, Five Saturdays from 24 Feb 2018. Dept. of Physics.
- Sudhir, C. Life and works of Sir C V Raman and the importance of Raman effect. *National Science Day*, 28 Feb 2018. Goa Science Centre, Panaji.

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

Contractual

- **Ingrid Anne P. Nazareth, Ph.D.**, Assistant Professor – Biomedical Instrumentation, Multivariate Signals & Systems and DSP

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Prof. Dr. Lalit Mohan Kukreja	EPI-KNOWLEDGE FOUNDATION, NAVI MUMBAI	SELF-DEVELOPMENT THROUGH VALUE ADDED EDUCATION	26 Sep. 2017
Yadagiri B Naik	Naval Materials Research Laboratory (NMRL) -DRDO	Supercapacitor	1 Dec 2017
Ganesh Dhole	Naval Materials Research Laboratory (NMRL) -DRDO	Opportunities for Scientists and Engineers at DRDO Organizations	1 Dec 2017

Major Thrust Areas and Achievements:

- Bio-medical and Agro-electronics
- IoT Smart Sensor
- Digital Signal Processing

- Image Processing
- Networks

Incremental Infrastructure:

- Hyper spectral camera (Visible)

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Gad, R.S.	Ongoing	Vishveshvaraya PhD Scheme in area of ESDM & ITES for five full-time candidates	DeitY	203.00
Gad, R.S.	Ongoing	Vishveshvaraya PhD Scheme in area of ESDM for two full-time candidates	DeitY	63.88
Naik, G.M.	Completed	Development of Coconut Plucking Robot	ICAR	25.22
Naik, G.M.	Ongoing	Visweswarayya Research grant for Electronics &IT	DeitY	33.00
Parab, J.S.	Ongoing	Visweswaraya Young Faculty Award Electronics &IT	DeitY	37.00
Parab, J.S.	Ongoing	Visweswarayya Research grant for Electronics & IT	DeitY	33.00

Research publications:

Articles in journals (* in Impact Factor/ CiteScore Journals):

- Dongale, T.D.; Kharade, K.G.; Mullani, N.B.; Naik, G.M.; Kamat, R.K. Artificial neural network modeling of Ni sub(x)Mn sub(x)O sub(x) based thermistor for predicative synthesis and characterization. *Journal of Nano- and Electronic Physics*. 9(3); 2017; ArticleID_03042-.
https://jnep.sumdu.edu.ua/download/numbers/2017/3/articles/jnep_V9_03042.pdf
- Marchon, N.; Naik, G.M.; Pai, K.R. Linear phase sharp transition BPF to detect noninvasive maternal and fetal heart rate. *Journal of Healthcare Engineering*. 2018; 2018; Article ID 5485728-.
<https://www.hindawi.com/journals/jhe/aip/5485728/>
- *Marchon, N.; Naik, G.M.; Pai, R. ECG electrode configuration to extract real time FEEG signals. *Procedia Computer Science*. 125; 2018; 501-508.
<https://doi.org/10.1016/j.procs.2017.12.065>
- Patil, S.; Naik, G.M.; Pai, K.R.; Gad, R.S. Percentage change method for microarray gene expression based classification of glioma. *International Journal of Emerging Technology and Advanced Engineering*. 7(8); 2017; 140-143.
http://www.ijetae.com/files/Volume7Issue8/IJETAe_0817_20.pdf
- Patil, S.; Naik, G.M.; Pai, K.R.; Gad, R.S. Wavelet transform based microarray image de-noising. *International Journal of Emerging Technology and Advanced Engineering*. 7(8); 2017; 137-139.

http://www.ijetae.com/files/Volume7Issue8/IJETAE_0817_19.pdf
http://www.ijetae.com/files/Volume7Issue8/IJETAE_0817_19.pdf

- Pinto, C.F.; Parab, J.S.; Naik, G.M. Development of NIOS-II soft-core processor for heart rate and oxygensaturation. *Open Access International Journal of Science & Engineering*. 2(12); 2017; 1-4.
<http://www.oaijse.com/Abstract.aspx?ArticleID=107>
- Prabhu, Y.; Parab, J.S.; Gad, R.S.; Naik, G.M. Development of embedded system for early detection of beetle attack in cashew trees. *International Journal of Researches in Biosciences, Agriculture and Technology*. 5(Spl Issue 3); 2017; 373-376. http://www.ijrbat.in/upload_papers/0312201707585398.pdf
- *Sequera, M.; Parab, J.S.; Gad, R.S.; Naik, G.M. Estimation of glucose using fixed wavelength NIR light sources. *Journal of Advanced Research in Dynamical and Control Systems*. 10(3-Spl. issue); 2018; 119-126.
<http://www.jardcs.org/abstract.php?archiveid=3034>
- Sequera, M.; Parab, J.S.; Gad, R.S.; Naik, G.M. Glucose signal estimation using high performance ADC and lightprobes. *International Journal of Researches in Biosciences, Agriculture and Technology*. 5(3); 2017; 162-165.
http://www.ijrbat.in/upload_papers/0212201709185142.pdf

Book chapter:

- Gaonkar A.A.; Gad M.D.; Vetrekhar N.T.; Tilve V.S.; Gad R.S. Experimental evaluation of 3D kinect face database. *Computer Vision, Graphics, and Image Processing (ICVGIP 2016)*, Ed. by: Snehasis Mukherjee, Suvadip Mukherjee, Dipti Prasad Mukherjee, JayanthiSivaswamy, SuyashAwate, SrirangarajSetlur, Anoop M. Namboodiri, SantanuChaudhury. *Lecture Notes in Computer Science*. Springer. 10481; 2017; 15-26. https://doi.org/10.1007/978-3-319-68124-5_2
- Parab, J.S.; Gad, R.S.; Naik, G.M. Genesis of PLD's, market players, and tools. *Hands-on Experience with Altera FPGA Development Boards by Jivan S. Parab; Rajendra S. Gad; G.M. Naik*. Springer (India) Pvt. Ltd. 2018; 1-17.
https://link.springer.com/chapter/10.1007/978-81-322-3769-3_1
- Parab, J.S.; Gad, R.S.; Naik, G.M. Getting hands on Altera® Quartus® II software. *Hands-on Experience with Altera FPGA Development Boards by Jivan S. Parab; Rajendra S. Gad; G.M. Naik*. Springer (India) Pvt. Ltd. 2018; 19-37.
https://link.springer.com/chapter/10.1007/978-81-322-3769-3_2
- Parab, J.S.; Gad, R.S.; Naik, G.M. Building simple applications with FPGA. *Hands-on Experience with Altera FPGA Development Boards by Jivan S. Parab; Rajendra S. Gad; G.M. Naik*. Springer (India) Pvt. Ltd. 2018; 39-72.
https://link.springer.com/chapter/10.1007/978-81-322-3769-3_3
- Parab, J.S.; Gad, R.S.; Naik, G.M. Building embedded systems using soft IP cores. *Hands-on Experience with Altera FPGA Development Boards by Jivan S. Parab; Rajendra S. Gad; G.M. Naik*. Springer (India) Pvt. Ltd. 2018; 73-78.
https://link.springer.com/chapter/10.1007/978-81-322-3769-3_4
- Parab, J.S.; Gad, R.S.; Naik, G.M. How to build first Nios II system. *Hands-on Experience with Altera FPGA Development Boards by Jivan S. Parab; Rajendra S. Gad; G.M. Naik*. Springer (India) Pvt. Ltd. 2018; 79-101.
https://link.springer.com/chapter/10.1007/978-81-322-3769-3_5
- Parab, J.S.; Gad, R.S.; Naik, G.M. Case studies using Altera Nios II. *Hands-on Experience with Altera FPGA Development Boards by Jivan S. Parab; Rajendra S.*

Gad; G.M. Naik. Springer (India) Pvt. Ltd. 2018; 103-150.

https://link.springer.com/chapter/10.1007/978-81-322-3769-3_6

- Vetrekar N.T.; Raghavendra R.; Gad R.S.; Naik G.M. Photometric normalization techniques for extended multi-spectral face recognition: A comparative analysis. *Computer Vision, Graphics, and Image Processing (ICVGIP 2016)*, Ed. by: Snehasis Mukherjee, Suvadip Mukherjee, Dipti Prasad Mukherjee, JayanthiSivaswamy, SuyashAwate, SrirangarajSetlur, Anoop M. Namboodiri, SantanuChaudhury. *Lecture Notes in Computer Science*. Springer. 10481; 2017; 27-38. https://doi.org/10.1007/978-3-319-68124-5_3

Book:

- Parab, J.S.; Gad, R.S.; Naik, G.M. Hands-on Experience with Altera FPGA Development Boards. *Springer (India) Pvt. Ltd.* 2018; 150pp.
<https://link.springer.com/book/10.1007/978-81-322-3769-3>

PhDs:

Degree Awarded: 2

Submitted: 3

Students on Roll: 7

Conference Presentations, Lectures, etc.

Conference presentations/ lectures:

- Araujo, V.; D'souza, A.; Talekar, S.; Gad, R.S.; Naik, G.M.; Parab, J.S. Trolley bag tracking system using sub GHz nodes in a LoWPAN network. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.
- Gad, V.R.; Naik, G.M. Review of wireless technologies and features of next generation wireless systems. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.
- Marchon, N.; Naik, G.M. Monitoring of fetal heart beat in labor. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.
- Pinto, C.F.; Parab, J.S.; Naik, G.M. Filtering of PPG signals to estimate heart rate and oxygen saturation using the soft-core processor. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.
- Prabhu, Y.; Parab, J.S.; Gad, R.S.; Naik, G.M. Novel technique for timely detection of pest in cashew tree. *Int. Conf. on Recent Trends in Engineering and Sciences(ICRTES)-2018*, 20-21 Feb 2018. Group of Conferences, Andra Pradesh.
- Prabhu, Y.; Parab, J.S.; Gad, R.S.; Naik, G.M. Design of Robust meter for monitoring health of trees. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.
- Sequeira, M.; Parab, J.S.; Gad, R.S.; Naik, G.M. Development of instrumentation for reflectance parameter measurement for non-invasive glucose estimation. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.
- Sequeira, M.; Parab, J.S.; Gad, R.S.; Naik, G.M. Electrometer amplifier using FPGA interface. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.
- Toraskar, A.; Prabhugaonkar, D.; Parab, J.S.; Gad, R.S.; Naik, G.M. 3D printing system. *11. Annual Nat. Symp. on VLSI and Embedded System*, 22-23 Mar 2018. Goa University.

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 Science

Faculty:

Full-time

- **Mahender Kotha, Ph.D., Professor and Head** – Sedimentology, Petroleum Geology and Application of GIS & Remote Sensing in Earth Sciences
- **A.G. Chachadi, Ph.D., Professor** – Groundwater Geology, Exploration Geophysics, Environmental Geology (*Retired on superannuation in November 2017*)
- **Anthony A.A.Viegas, Ph.D., Associate Professor** – Igneous Petrology

Other (DST-INSPIRE):

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

Part Time:

- **Raghav R. Gadgil, M.Sc., Assistant Professor** – Igneous Petrology
- **Poornima Dhawaskar, M.Sc., Assistant Professor** – Igneous petrology & Marine Geology
- **Purushottam Anil Verlekar, M.Sc., Assistant Professor** – Stratigraphy & Environmental Geology
- **Delia Cardozo, M.Sc., Assistant Professor** – Mineralogy & Structural Geology

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Ravichandran	NCAOR, Vasco-da-Gama	Interaction with Faculty	16 Aug 2017
Prof. Abu Talib, Chair Person	AMU, Aligarh	Interaction with Faculty	30 Aug 2017
Dr. Sunil Y. Bharti	Cairn India Ltd	Hydrocarbon Prospects & challenges with special reference to Petroliferous Basins of India	20 Mar 2018
Prof. T. K. Biswal	IIT, Bombay	Structural Deformation-Field Procedures	21 Mar 2018
Prof. P. Prabhakar	Solapur University	Groundwater Modeling in Crystalline Terrains	23 Mar 2018
Dr. Sunil Singh	NIO, Goa	Geotracers	23 Mar 2018

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Chachadi, A.G.	Completed	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
Georesources: Evolving Concepts on Genesis, Utility and Sustainability	23 Mar 2018	UGC-SAP-DRS(III)
Field Training Workshop on Structural and Metamorphic Aspects	24 Mar 2018	UGC-SAP-DRS(III)

Research publications:

Articles in journals (in Impact Factor / CiteScore Journals):*

- Gadgil, R.; Miranda, M.A.; Viswanath, T.A. Deformational features of intraformational para-conglomerate of the Paleoproterozoic Sanvordem Formation, Goa Group indicates a brittle- ductile dextral shear. *International Journal of Geomatics and Geosciences*. 8(1); 2018; 24-40.
<http://www.ipublishing.co.in/jggsarticles/voleight/EIJGGS8003.pdf>
- *Ganguly, S.; Yang, Q-Y. Greenstone belts and their mineral endowment: Preface. *Geoscience Frontiers*. 9(3); 2018; 599-601.
<https://doi.org/10.1016/j.gsf.2017.11.001>
- Guhey, R.; Mahender, K. Geochemical characteristics of Proterozoic carbonate lithofacies of Indravati Basin, Chhatisgarh, Central India: Implication of depositional and diagenetic history. *Journal of the Indian Association of Sedimentologists*. 34(1-2); 2017; 39-57.
- *He, X-F.; Santosh, M.; Ganguly, S. Mesozoic felsic volcanic rocks from the North China craton: Intraplate magmatism associated with craton destruction. *Geological Society of America Bulletin*. 129(42954); 2017; 947-969.
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- *Li, S-S.; Santosh, M.; Ganguly, S.; Thanooja, P.V.; Sajeev, K.; Pahari, A.; Manikyamba, C. Neoproterozoic microblock amalgamation in southern India: evidence from the Nallamalai Suture Zone, . *Precambrian Research*. 314; 2018; 1-27. <https://doi.org/10.1016/j.precamres.2018.05.017>
- *Manikyamba, C.; Ganguly, S.; Santosh, M.; Subramanyam, K.S.V. Volcano-sedimentary and metallogenic records of the Dharwar greenstone terranes, India: Window to Archean plate tectonics, continent growth, and mineral en-

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<https://doi.org/10.1016/j.gr.2017.06.005>

- *Manikyamba, C.; Said, N.; Santosh, M.; Saha, A.; Ganguly, S.; Subramanyam, K.S.V. U enrichment and Th/U fractionation in Archean boninites: Implications for paleo-ocean oxygenation and U cycling at juvenile subduction zones. *Journal of Asian Earth Sciences*. 157; 2017; 187-197.
<https://doi.org/10.1016/j.jseaes.2017.10.009>
- *Saha, A.; Ganguly, S.; Ray, J.; Koeberl, C.; Thöni, M.; Sarbajna, C.; Sawant, S.S. Petrogenetic evolution of Cretaceous Samchampi-Samteran Alkaline Complex, Mikir Hills, Northeastern India: Implications on multiple melting events of heterogeneous plume and metasomatized sub-continental lithospheric mantle. *Gondwana Research*. 48; 2017; 237-256.
<https://doi.org/10.1016/j.gr.2017.04.022>
- *Vaz, E.; Taubenbock, H.; Kotha, M.; Arsanjani, J.J. Urban change in Goa, India. *Habitat International*. 68; 2017; 24-29.
<http://dx.doi.org/10.1016/j.habitatint.2017.07.010>

PhDs:

Degree Awarded: 1

Submitted: 2

Students on Roll: 7

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

- Gadgil, R.R.; Viegas, A. Petrology and Wholerock Geochemistry of Dyke swarm along the Western Coast of Goa, India. *Nat. Seminar on Deccan volcanism and Biotic Events Across the K/T boundary*, 26-28 Oct 2017. Dr. Harisingh Gour Vishwavidyalaya, Sagar.
- Verlekar, P.; Mahender, K. Lateral lithofacies variation within Lokapur Subgroup, Kaladgi basin. *Nat. Conf. on Basin Dynamics, Facies Architecture and Palaeoclimate and 34th convention of Indian Association of Sedimentologists (IAS)*, 19-21 Dec 2017. Sant Gadge Baba Amravati University.

Honour & Awards:

- Viegas, A.A. **Subject Editor of Goa Gazetteer on Geology of Goa** (Govt. of Goa)

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

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. H. B. Menon	Member (Ex-Officio)
Prof. S. K. Dubey	Member (Ex-Officio)
Prof Sarita W. Nazareth	Member (Ex-Officio)
Prof Usha Muraleedharan	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 B F Rodrigues	Member (Ex-Officio)
Prof. (Smt.) Vijaya Kerkar	Member (Ex-Officio)
Dr. (Smt) Urmila Barros	Member
Dr. S. Upadhyay	Member
Dr. Lakshangi Suresh Charya	Member
Dr. Nandakumar M. Kamat	Member
Dr Aftab A S Can	Member

Faculty of Life Sciences and Environment



Dean's Report

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.

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.

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.

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 (HAG) – Cytogenetics and Plant Breeding, Mycorrhizal Research
- **Prabhat Kumar Sharma, Ph.D.**, Professor – Plant Physiology
- **M.K. Janarthanam, Ph.D.**, Professor – Plant Systematics
- **Vijaya Kerkar, Ph.D., Professor and Head** – 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
- **Rupali R. Bhandari Ph.D.**, Assistant Professor – Plant Physiology

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Pantaleo Fernandes	Expert on traditional occupations	Traditional Occupations in Goa	28 Jun 2017
Sangam Kurade	Tropical Mushroom Goa Pvt Ltd.	Commercial Button and Specialty Mushroom Production	6 Jul 2017
H.B. Menon	Dept of Marine Sciences, GU	Magic of Southwest Monsoon	11 Jul 2017
Mahabaleshwar Sail	Sahitya Akademy and Sarswati award winner Konkani writer	Nature and Literature	12 Jul 2017
Prakash Porienkar	Dept. of Konkani, Goa University	Adventures in Mahadayi River Basin	19 Jul 2017
Sampada Shenavi Kukolienkar	Personality trainer, writer publisher	Travel Experience and Eco-tourism in Sri Lanka, Thailand and Dubai	26 Jul 2017
Rajendra Kerkar	Member, National Wildlife Board	Eco-tourism in Western Ghats	2 Aug 2017
Sanjiv Sardessai	Hands on Historians, Goa	Natural and Cultural Heritage of Goa and Glimpses of Goan History	16 Aug 2017
Nilesh Cabral	Chairman, Goa Tourism Development Corporation, GTDC and hon MLA Curchorem	Ecotourism in Goa and importance of International Eco-tourism day	6 Sep 2017
Siddarth Kuncolienkar	Chairman, EDC and Chairman Imagine	Smart cities in India Project and How Panaji is being Developed	3 Oct 2017

	Smart City Development Limited (IPSCDL)	as Smart City	
Uday C. Gaonkar	Vice Chairperson, Goa Board for Secondary and Higher secondary education	Improvement of Biology Education at HSS Level	23 Feb 2018
Pradip Sarmokadam	Member Secretary, Goa State Biodiversity Board (GSBB)	Role of GSBB in Promoting Biodiversity Education	23 Feb 2018
C Sathish Kumar	Jawaharlal Nehru Tropical Botanic Garden and Research, Palode, Thiruvanthapuram	Orchid Biology: The Science of Orchids	28 Feb 2018

Major Thrust Areas and Achievements:

- Studies in biodiversity, bioprospecting, ecophysiology and biotechnology of higher and lower plants
- Plant systematics, Ecology, Plant-animal interactions
- Documentation of ethnomedicinal and ethno-pharmacological knowledge from local practitioners
- Phytochemicals screening and in-vitro culture of selected medicinal plants
- Projects in plant Developmental Biology and Plant Histochemistry
- Genetic diversity in the populations of Garcinia species
- Formulation of suitable carrier medium for production of effective AM inoculum.
- Preparation of sustainable Ecotourism management plan
- Addition of new fungus cultures to GUFCC
- Production of educational videos on local species of wild mushrooms
- Development of tissue paper roll technique to produce Oyster mushrooms

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Janarthanam, M.K.; Krishnan, S.	Completed	Preventing Extinction and Improving Conservation Status of Threatened Plants Through Application of Biotechnological Tools	DBT	35.71
Sharma, P.K.	Ongoing	Biodiversity, Eco-physiology and Biotechnology UGC-SAP (DRS III)	UGC-SAP	118.00
Rodrigues, B.F.	Ongoing	Screening for Efficient Microbial Consortium for Yield Improvement in Vigna unguiculata (L.) Walp	DSTE, Govt. of Goa	11.15

Rodrigues, B.F.	Ongoing	Retrieval of Biophysical Parameters in Part of Western Ghats using GISAT	SAC-ISRO	15.41
Krishnan, S.	Ongoing	Dye Yielding Plants of Goa and Their Potential Use in Biological and Textile Staining	DSTE, Govt. of Goa	7.5

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
Workshop for Biology Teachers from Higher Secondary Schools	23 Feb 2018	Goa Board of Secondary and Higher Secondary Education and Goa State Biodiversity Board

Research publications:

Articles in journals (* in Impact Factor/ CiteScore Journals):

- D'Souza, R.A.; Kamat, N.M. Potential of FTIR spectroscopy in chemical characterization of Termitomyces Pellets. Journal of Applied Biology and Biotechnology. 5(4(Version I)); 2017; 80-84.
http://jabonline.in/abstract.php?article_id=230
- Dabolkar, S.; Kamat, N.M. Novel techniques to study ancient micro amber from tropical beach sand reveal a treasurehouse of exceptionally well preserved fossilized microfungi. International Journal for Research in Applied Science & Engineering Technology. 5(9); 2017; 50-56.
<http://www.ijraset.com/files/serve.php?FID=9794>
- *Deshpande, A.S.; Krishnan, S.; Janarthanam, M.K. Lectotypification of some *Senegalia* and *Vachellia* species (Mimosoideae, Leguminosae) from India. Phytotaxa. 133(1); 2018; 131-136.
<http://dx.doi.org/10.11646/phytotaxa.333.1.11>
- *deSouza, R.A.; Kamat, N.M. Three dimensional typological studies using scanning electron microscopy for characterization of Termitomyces pellets obtained from submerged growth conditions. Biotechnic & Histochemistry. 93(1); 2018; 25-35. <https://doi.org/10.1080/10520295.2017.1379611>
- deSouza, R.A.; Kamat, N.M. First report of *Termitomyces bulborhizus* holomorph from Goa, India. Kavaka. 49; 2017; 32-37.
- Gaonkar, S.S.; Rodrigues, B.F. Scope and Limitations of AMF Biofertilizer Production. Mycorrhiza News. 29(2); 2017; 7-11.
http://mycorrhizae.org.in/index.php?option=com_content&task=view&id=41
- *Haridasan, K.; Mao, A.A.; Janarthanam, M.K.; Pandey, A.K.; Barik, S.K.; Srivastava, S.K.; Panda, P.C.; Geetha, S.; Borthakur, S.K.; Datta, B.K.; Rao, B.R.P. Contributions of plant taxonomy, herbarium and field germplasm bank to conservation of threatened plants: Case studies from the Himalayas and Eastern and Western Ghats. Current Science. 114(3); 2018; 512-518.
<http://www.currentscience.ac.in/Volumes/114/03/0512.pdf>
- *Kambale, S.S.; Gholave, A.R.; Adsul, A.A.; Janarthanam, M.K.; Yadav, S.R. An extended distribution of rare and endemic *Brachystelma kolarensis* (Apocynaceae) from eastern Karnataka to coastal plains of Kerala, India. National

- Academy Science Letters. 40(4); 2017; 301-303.
<https://doi.org/10.1007/s40009-017-0560-7>
- Kolte, R.R.; Deshpande, A.S.; Pillai, P.M.; Yadav, S.R. An extended distribution of Natesh's Cape-pondweed *Aponogeton nateshii* (Aponogetonaceae), a new record to the state of Goa. *Journal of Threatened Taxa*. 9(11); 2017; 10977-10979. <http://threatenedtaxa.org/index.php/JoTT/article/view/3372>
 - *Kolte, R.R.; Shimpale, V.B.; Janarthanam, M.K. Lectotypification of *Merremia rhyncorhiza* (Convolvulaceae). *Rheedea*. 27(2); 2017; 113-115.
<http://www.iaat.org.in/images/27v2/Article12.pdf>
 - *Liang, Y.; Ran, S-F.; Bhat, D.J.; Hyde, K.D.; Wang, Y.; Zhao, D.G. *Curvularia microspora* sp. nov. associated with leaf diseases of *Hippeastrum striatum* in China. *MycKeys*. 29; 2018; 49-61.
<https://doi.org/10.3897/mycokeys.29.21122>
 - *Pagare R.S.; Deshpande A.S.; Kambale S.S. Lectotypification of *Phyllanthus baeobotryoides* and *P. macrocalyx* (Phyllanthaceae) from India. *Annales Botanici Fennici*. 54(1-3); 2017; 199-202. <http://www.sekj.org/PDF/anb54-free/anb54-199-202-free.pdf>
 - Palavi Randive, P.; Joseph, S.; Nayaka, S.; Janarthanam, M.K. Notes on folii-colous lichens from Western Ghats part of Goa, India. *Indian Journal of Forestry*. 40(3); 2017; 217-221.
 - *Palkar, R.S.; Janarthanam, M.K.; Krishnan, S. Taxonomic identity and occurrence of *Garcinia spicata* and *G. talbotii* (Clusiaceae) in peninsular India. *Rheedea*. 27(2); 2017; 143-151.
<http://www.iaat.org.in/images/27v2/Article18.pdf>
 - Patil, V.S.; Gholave, A.R.; Chandore, A.N.; Yadav, U.S.; Kambale, S.S.; Lekhak, M.M.; Kolte, R.R.; Yadav, S.R. *Aponogeton nateshii* S.R. Yadav (Aponogetonaceae), eine ungewöhnliche, neue Art aus Indien [*Aponogeton nateshii* S.R. Yadav (Aponogetonaceae), an unusual, new species from India]. *Aqua Planta*. (4); 2017; 134-146. http://www.arbeitskreis-wasserpflanzen.de/AP_2017_4_en.php
 - *Pednekar, S.M.; Bates, S.S.; Kerkar, V.; Matondkar, S.G.P. Environmental factors affecting the distribution of *Pseudo-nitzschia* in two monsoonal estuaries of western India and effects of salinity on growth and domoic acid production by *P. pungens*. *Estuaries and Coasts*. 41(5); 2018; 1448-1462.
<https://doi.org/10.1007/s12237-018-0366-y>
 - Randive, P.; Nayaka, S.; Janarthanam, M.K. An updated checklist of lichens from Goa with new records from Cotigao wildlife sanctuary. *Cryptogam Biodiversity and Assessment*. 2(1); 2017; 26-36.
<https://doi.org/10.21756/cab.v2i01.8609>
 - Rodrigues, K.M.; Rodrigues B.F. Maximizing the shelf life of monoxenically produced carrier-based AM fungal bio-inocula for maintaining its long-term viability. *Journal of Phytology*. 10; 2018; 43-48.
<http://dx.doi.org/10.25081/jp.2018.v10.3546>
 - Rodrigues, K.M.; Rodrigues, B.F. Development of carrier based in vitro produced arbuscular mycorrhizal (AM) fungal inocula for organic agriculture. *Annals of Advanced Agricultural Sciences*. 1(1); 2017; 26-37.
http://www.isaacpub.org/images/PaperPDF/AS_100018_2017081413580590451.pdf

- Sawaikar, R.U.; Rodrigues, B.F. Biomonitoring of selected freshwater bodies using diatoms as ecological indicators. *Journal of Ecosystem & Ecography*. 7(2); 2017; Article ID234. <http://dx.doi.org/10.4172/2157-7625.1000234>
- SushmaKumari; Deshpande, A.; Joshi, A.B. Microscopic studies and physico-chemical evaluation of *Antigonon leptopus* Leaves. *International Journal of Research and Innovation in Applied Science*. 1(6); 2016; 11-14. <http://www.ijrias.org/DigitalLibrary/Vol.1&Issue6/11-14.pdf>
- Verenkar, N.; Krishnan, S. Dyeing of cotton and silk with eco-friendly dyes extracted from bark of mangrove species *Rhizophora mucronata* and *Ceriops tagal*. *International Journal of ChemTech Research*. 10(12); 2017; 102-110. [http://www.sphinxesai.com/2017/ch_vol10_no12/1/\(102-110\)V10N12CT.pdf](http://www.sphinxesai.com/2017/ch_vol10_no12/1/(102-110)V10N12CT.pdf)
- *Verenkar, N.G.S.; Krishnan, S. Some potential natural dye yielding plants from the State of Goa, India. *Indian Journal of Natural Products and Resources*. 8(4); 2017; 306-315. <http://nopr.niscair.res.in/handle/123456789/44142>

Book chapter:

- Kamat, N.M. Environmental protection in tourism. *People Over Profits: Issues and Perspectives for a People-centric Tourism in Goa*, Ed. by: Rajan Solomon. Centre for Responsible Tourism, Panaji. 2017; 40-52.

Unpublished reports:

- Dabolkar, S.; Kamat, N.M. Subsurface Zircons with presumptive "biogenic" inclusions as potentially useful proxies for studying Precambrian bygone biospheres in Goa. *bioRxiv*. 2017. <https://doi.org/10.1101/210013>
- Dabolkar, S.; Kamat, N.M. Calcimycocavitological studies on seashells from beaches of North Goa, India. *bioRxiv*. 2017. <https://doi.org/10.1101/215228>
- Dabolkar, S.; Kamat, N.M. Fossilized microbial forms in Baltic and Goan amber: A comparative pioneer study. *Bio Rxiv*. 2017. <https://doi.org/10.1101/209973>

PhDs:

Degree Awarded: 3

Submitted: 3

Students on Roll: 18

Conference Presentations, Lectures, etc.

- Bhende, S.; Deikar, S.; Karpe, A.; Potekar, R.; Kamat, N.M. Cashewpedia: A bioinformatics approach to study cashew *Anacardium occidentale* cyberknowledge base. *Western Regional Seminar on frontiers and innovation in plant sciences*, 16-17 Mar 2018. Parvatibai Chowgule College of Arts and Science, Margao.
- Dabolkar, S.; Khandeparkar, S.; Kumbhar, V.; Naik, A.; Kamat, N.M. Mangopedia: A bioinformatics approach to study mango *Mangifera indica* cyberknowledge base. *Western Regional Seminar on frontiers and innovation in plant sciences*, 16-17 Mar 2018. Parvatibai Chowgule College of Arts and Science, Margao.
- Dabolkar, S.; Kamat, N.M. Recovery of Chemolithotrophic microbial forms from BIF of Goa. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.

- Dabolkar, S.; Pai, R.; Kamat, N.M. Conserving coastal creeks to combat climate change: case study of Velsao creek using Google Earth and fractal analysis of landscape. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.
- Dabolkar, S.; Kamat, N.M. Implications for climate change: Role of sea shell infecting calcimycocavites in efficient biogeochemical cycling of carbon and calcium in ocean-beach environment. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.
- Dabolkar, S.; Kamat, N.M. Heat treatment and soluble proteinaceous factors may influence swarms and morphology of Gold nano and microparticles produced using Rhizobium sp. cultures from root nodules of *Mimosa pudica* in a simple, novel slide based system (**Poster**). *Int. Conf. on Trends in Biochemical & Biomedical Research: Advances and Challenges (TBBR-2018)*, 13-15 Feb 2018. Dept. of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi.
- Deshpande, A.S.; Krishnan, S.; Janarthanam, M.K. Senegalia caesia and its allied species from Southern India. *27. Annu. Conf. of Indian Association for Angiosperm Taxonomy & Int. Symp. on Plant Systematics: Priorities and Challenges*, University of Delhi, Delhi. 10-12 Nov 2017.
- Fernandes, E.; Gaonkar, S.; Kale, S.; Kirtani, D.; Kamat, N.M. A chemoinformatics approach to study the diverse chilli pepper (capsicum) cultivars with potential applications for R&D in Goan varieties. *Western Regional Seminar on frontiers and innovation in plant sciences*, 16-17 Mar 2018. Parvatibai Chowgule College of Arts and Science, Margao.
- Fernandes, M.C.; Krishnan, S. Chemical profiling of volatile compounds in Strobilanthes species using GC-MS. *27. Annu. Conf. of Indian Association for Angiosperm Taxonomy & Int. Symp. on Plant Systematics: Priorities and Challenges*, University of Delhi, Delhi. 10-12 Nov 2017 .
- Kamat, N.M.; Dabolkar, S. Fossiliferous marine shell deposits in Zuari estuarine basin Goa, India as potential proxies for paleoclimate and paleobiodiversity research. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.
- Kamat, N.M.; deSouza, R.A. Local impacts of global climate change manifested through abnormal phonological and speciation patterns in wild Termitomyces mushroom species of Goa. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.
- Kevat, N.V.; Sharma, P.K. Proteomics characteristics of rice leaves in response to Cu stress. *Nat. Conf. of Plant Physiology*, 23-25 Nov 2017. Indian Society of Plant Physiologists.
- Krishnan, S. Engineering rice for enhanced protein, iron and β -carotene through transgenics (**Lead Lecture**). *Nat. Symp. on Current Trends in Plant Sciences*, 22-23 Feb 2018. Madras Christian College, Chennai.
- Marathe, P.; Pai, R.; Keerthi P.S.; Kamat, N.M. Systematic use of phytochemical databases in bioprospecting of rich plant diversity of Goa to mine useful lead molecules. *Western Regional Seminar on frontiers and innovation in plant sciences*, 16-17 Mar 2018. Parvatibai Chowgule College of Arts and Science, Margao.

- Mhaldar, R.; Kamat, N.M. Coastal tourism destinations in Peril: Some worst-case scenarios for tourism in Goa likely to be impacted by Sea Level Rise in 21st century. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.
- Pai, R.; Dabolkar, A.; Kamat, N.M. Rejuvenation of capacitance or reversion to original mangroves?- the future of Goa's eco-sensitive Khazan agroecosystem vulnerable to sea level rise. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.
- Pal, S.; Kamat, N.M. Fractal analysis of colony margins as an aid for screening oligotrophic freshwater yeast cultures for bioclarification of turbid polluted water resources in the iron ore mining region of Goa **(Poster)**. *Int. Conf. on Trends in Biochemical & Biomedical Research: Advances and Challenges (TBBR-2018)*, 13-15 Feb 2018. Dept. of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi.
- Pal, S.; Kamat, N.M. Present knowledge of sustainable bioremediation of highly turbid freshwater resources with prospects of application in mining areas of Goa. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe college of Arts and Science, Panaji, Goa.
- Palkar, R.S.; Janarthanam M.K.; Krishnan, S. Quantification of bio-active compounds and antioxidant potential of some *Garcinia* species from the Western Ghats of India. *Nat. Symp. on Current Trends in Plant Sciences*, 22-23 Feb 2018. Madras Christian College, Chennai.
- Rodrigues, B.F. Arbuscular Mycorrhizal Fertilizers in Sustainable Agriculture **(Invited Lecture)**. *Nat. Symp. on Biorational Approaches in Plant Disease Management*, 27-28 Oct 2017. Indian Society of Plant Pathologists and Himalayan Phytopathological Society.
- Rodrigues, B.F. Development and screening of in vitro produced carrier based arbuscular mycorrhizal (AM) fungal inocula **(Invited Lecture)**. *Int. Conf. on Plant Health for Human Welfare*, 1-4 Nov 2017. University of Rajasthan, Jaipur and Indian Society of Mycology and Plant Pathology, Udaipur.
- Rodrigues, B.F. Emerging Trends in Mycotechnology **(Invited Lecture)**. *Nat. Conf. on Emerging Trends in Mycotechnology*, 5-6 Jan 2018. G.M. Momin Women's College, Mumbai and Mycological Society of India (Mumbai Unit).
- Rodrigues, B.F. Management of Plant Health using Mycorrhizal Biotechnology **(Invited Lecture)**. *Nat. Symp. on Plant Health Management: Embracing Eco-sustainable Paradigm*, 15-17 Feb 2018. Indian Phytopathological Society, New Delhi and Assam Agricultural University, Jorhat.
- Rodrigues, B.F. Reclamation of Degraded Iron Ore Mine Lands in Goa **(Invited Lecture)**. *Nat. Conf. on Changing Environment: Challenges, Solutions and Strategies*, 8-9 Mar 2018. Dhempe College, Miramar, Goa.
- Rodrigues, B.F. Outlook and Challenges in Researches in Humanities and Sciences **(Invited Lecture)**. *Nat. Conf. on Innovative Research in Humanities and Sciences*, 15 Apr 2018. Anjuman Islam Janjira Degree College of Science, Murud, Raigad.
- Sharma, P.K. Photosynthesis: A solution to sustainable development, food security and clean environment **(Keynote Address)**. *Western Regional Seminar on Frontiers and Innovations in Plant Sciences*, 16-17 Mar 2018. Chowgule College of Arts and Science, Margao.

- Srivastava, S.; Sharma, P.K. Comparative effect of salinity on ROS, antioxidant activity, membrane stability and changes in fatty acid composition in salt sensitive and salt tolerance varieties of rice. *Nat. Conf. of Plant Physiology*, 23-25 Nov 2017. Indian Society of Plant Physiologists.
- Tiwari, P.; Sharma, P.K. Physiological response of fresh water cyanobacterium *Nostoc spongiaeforme* to different growth temperature. *Nat. Conf. of Plant Physiology*, 23-25 Nov 2017. Indian Society of Plant Physiologists.
- Verenkar, N.G.S.; Krishnan, S. Study on natural dye yielding properties and conservation of ornamental plant *Melastoma malabathricum*. *Indian Science Congress Association, Bangalore Chapter*, 8-9 Sep 2017. Mangalore University.
- Velip Ratish and Vijaya Kerkar Present status on the diversity and distribution of seaweeds from Pablem and Canaguinim, Goa, India *Western Regional Seminar on frontiers and innovation in plant sciences*, 16-17 Mar 2018. Parvatibai Chowgule College of Arts and Science, Margao (**2nd Best Poster Presentation award**)

Lectures on other occasions:

- Kamat, N.M. Current educational scenario (**Invited lecture**). *107th foundation day of Peoples Educational trust*, 15 Jul 2017. Peoples High school, Panaji.
- Kamat, N.M. **Inaugural Lecture**. Childrens book fair 'Tare Zamin Par', 24 Dec 2017. Board of Innovative Education, Goa.
- Kerkar, V. Exploring the world of some lesser attended plant groups (**Invited Lecture**). *Workshop for Biology Teachers from Higher Secondary Schools*, 23 Feb 2018. Goa University.
- Kerkar, V. Seaweeds of India (**Invited Lecture**). 16.3. 2018 Department of Botany, Shivaji University, Kolhapur
- Rodrigues, B.F. Revegetational Approaches for Iron Ore Mine Waste Lands in Goa. *97th Orientation Programme*, 26 Jul 2017. UGC-HRDC, Goa University.
- Rodrigues, B.F. Development of viable AM fungal inocula from monoxenic cultures. *Special UGC-SAP visiting Fellow Programme*, 9 Apr 2018. Bharathiar University, Coimbatore.

Media content:

- Kamat, N.M. Termitomyces mushrooms marketed from Banastarim, Goa, India (14.50 minutes). <https://youtu.be/u3unhtIWDl4>
- Kamat, N.M. Soil nematode trapped by *Drechslerella anchonia* mycoadhesive (5.44 minutes). <https://youtu.be/v8Y8i5DDsHs>

Honour & Awards

- Kamat, N.M. **Member, Executive Council and Recognition Committee** (Goa Board of secondary and higher secondary education (GBSHSE))
- Rodrigues, B.F. **Best University Teacher Award 2017** (Directorate of Higher Education, Government of Goa)
- Rodrigues, B.F. **Councillor (South Zone) (2017-19)** (Indian Society of Indian Society of Plant Pathologists, Ludhiana)

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

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Srikanth Mutnuri	Bits Pilani, Goa	Decentralized Wastewater Treatment Systems	07 Dec 2017
Dr. Maria Judith Gonsalves	NIO, Dona Paula, Goa	Microbial Ecology in Extreme Environments	07 Dec 2017
Dr. N. Ramaiah	NIO, Dona Paula, Goa	Microbial Responses in Changing Oceans	07 Dec 2017
Prof. K.A. Natarajan	Bangalore	Biology of Gold	07 Dec 2017
Dr. Ashish Roy	Retired Professor and Head of Veterinary Microbiology, Anand, Gujarat	Haemorrhagic Septicaemia a Fatal Disease of Domestic Ruminants	23 Mar 2018

Ms. Shruti Nadkarni	G.R. Kare College of Law, Margao, Goa	Fundamental Rights and Duties of Indian Citizens	27 Mar 2018
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Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
D'Costa, P.M.	Completed	Fate of Diatoms During Microbially-mediated Decomposition Processes	SERB-DST	6.5
Haldar, S.	Completed	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.	Completed	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	11.5

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
Newer Perspective in Biosciences	07 Dec 2017	Raut Scientific & General Traders, Panaji, Goa & Mina Scientific and Industrial Traders, Mapusa, Goa

Research publications:

Articles in journals (* in Impact Factor/ CiteScore Journals):

- *Achari, G.A.; Ramesh, R. Characterization of quorum quenching enzymes from endophytic and rhizosphere colonizing bacteria. *Biocatalysis and Agricultural Biotechnology*. 13; 2018; 20-24.
<https://doi.org/10.1016/j.bcab.2017.11.004>
- *Asolkar, T.; Ramesh, R. Identification of virulence factors and type III effectors of phylotype I, Indian *Ralstonia solanacearum* strains Rs-09-161 and Rs-10-244. *Journal of Genetics*. 97(1); 2018; 55-66.
<https://doi.org/10.1007/s12041-018-0894-z>
- *Braganca, J.M.; Furtado, I. Removal of cadmium by *Halobacterium* strain R1 MTCC 3265 from saline and non-saline econiches. *Indian Journal of Geo Marine Sciences*. 46(11); 2017; 2215-2219.
<http://nopr.niscair.res.in/handle/123456789/42976>
- *Gaitonde, S.S.; Ramesh, R. Screening plant products for *Ralstonia solanacearum* inhibition and characterization of antibacterial compounds in *Garcinia indica* and *Tamarindus indica*. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 88(1); 2018; 265-276.
<http://dx.doi.org/10.1007/s40011-016-0755-6>
- #Kale, S.B.; Doijad, S.P.; Poharkar, K.V.; Garg, S.; Pathak, A.D.; Raorane, A.V.; Rawool, D.B.; Kurkure, N.V.; Barbuddhe, S.B. Elucidation of the role of the minC gene in filament formation by *Listeria monocytogenes* under stress

- conditions. *International Journal of Current Research and Review*. 9(9); 2017; 9-13. http://ijcrr.com/uploads/813_pdf.pdf
- #Kharangate-Lad, A.; Bhosle, S. Effect of zerovalent iron (Zvi) nanoparticles on siderophores produced by halophilic and halotolerant adhered bacteria from the mangrove ecosystem. *BAOJ Chemistry*. 3(1); 2017; ArticleID_24. <https://pdfs.semanticscholar.org/fb8e/66b4f7999b9cfe35581393a95f3b59c902f2.pdf>
 - *Mohanty, A.K.; Dey, G.; ManishKumar; Sreelakshmi, K.; Sreenivasamurthy; Garg, S.; Prasad, T.S.K.; AshwaniKumar Mapping Anopheles stephensi midgut proteome using high-resolution mass spectrometry. *Data in Brief*. 17; 2018; 1295-1303. <https://doi.org/10.1016/j.dib.2018.02.028>
 - #Naik, M.M.; Bagayat, A.; Charya, L.S. Extreme halophilic archaea Halobacterium sp. SP1 in bioremediation of hypersaline water polluted with metal, metalloid, organometal and aromatic compound. *Indian Journal of Applied Microbiology*. 20(2); 2017; 42-54. <http://ijamicro.com/20-2-2017/4.pdf>
 - #Naik, M.M.; Bhangui, P.; Bhat, C. The first report on Listeria monocytogenes producing siderophores and responds positively to N-acyl homoserine lactone (AHL) molecules by enhanced biofilm formation. *Archives of Microbiology*. 199(10); 2017; 1409-1415. <https://doi.org/10.1007/s00203-017-1416-8>
 - #Naik, M.M.; Prabhu, M.S.; Manerikar, V. The First report on Acyl homoserine lactone (AHL) enhanced expression of virulence factor, hemolysin in Gram positive, Listeria monocytogenes strain BN3 isolated from dairy industry. *Indian Journal of Dairy Science*. 71(3); 2018; 313-318. <http://epubs.icar.org.in/ejournal/index.php/IJDS/article/view/75149>
 - *Naik, R.K.; Damare, S.; Yapa, K.K.A.S.; D'Costa, P.M.; Roy, R. First report of toxic Prorocentrum rhathymum (Dinophyceae) and its pigment composition from coastal waters of the eastern Arabian Sea. *Indian Journal of Geo-Marine Sciences*. 47(3); 2018; 645-652. <http://nopr.niscair.res.in/bitstream/123456789/44118/1/IJMS%2047%283%29%20645-652.pdf>
 - *Prabhu, N.; Borkar, S.; Garg, S. Phosphate solubilization mechanisms in alkaliphilic bacterium Bacillus marisflavi FA7. *Current Science*. 114(4); 2018; 845-853. <http://www.currentscience.ac.in/Volumes/114/04/0845.pdf>
 - #Prabhu, N.; Borkar, S.; Garg, S. Alkaliphilic and haloalkaliphilic phosphate solubilizing bacteria from coastal ecosystems of Goa. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*. 19(3); 2017; 704-715. http://www.envirobiotechjournals.com/article_abstract.php?aid=8029&iid=232&jid=1
 - *PraveenKumar, M.K.; Shyama, S.K.; ShamimKashif; Dubey, S.K.; D'costa, A.; Sonaye, B.H.; Kadam-Samit, B.; Chaubey, R.C. Effects of gamma radiation on the early developmental stages of Zebrafish (Danio rerio). *Ecotoxicology and Environmental Safety*. 142; 2017; 95-101. <https://dx.doi.org/10.1016/j.ecoenv.2017.03.054>
 - *Ribeiro, H.; deSousa, T.; Santos, J.P.; Sousa, A.G.G.; Teixeira, C.; Monteiro, M.R.; Salgado, P.; Mucha, A.P.; Almeida, C.M.R.; Torgo, L.; Magalhães, C. Potential of dissimilatory nitrate reduction pathways in polycyclic aromatic hydrocarbon degradation. *Chemosphere*. 199; 2018; 54-67. <https://doi.org/10.1016/j.chemosphere.2018.01.171>

- *Samant, S.; Naik, M.M.; Parulekar, K.; Charya, L.; Vaigankar, D. Selenium reducing *Citrobacter freundii* strain KP6 from Mandovi estuary and its potential application in selenium nanoparticle synthesis. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 88(2(Pt I)); 2018; 747-754. <http://dx.doi.org/10.1007/s40011-016-0815-y>
- *Shamim, K.; Sharma, J.; Dubey S.K. Rapid and efficient method to extract metagenomic DNA from estuarine sediments. *3 Biotech*. 7(3); 2017; ArticleID 182-. <http://dx.doi.org/10.1007/s13205-017-0846-y>
- *Sharma, J.; Shamim, K.; Dubey, S.K. Phosphatase mediated bioprecipitation of lead as pyromorphite by *Achromobacter xylosoxidans*. *Journal of Environmental Management*. 217; 2018; 754-761. <https://doi.org/10.1016/j.jenvman.2018.04.027>
- *Naik, R.K.; Damare, S.; Yapa, K.K.A.S.; D'Costa, P.M.; Roy, R. First report of toxic *Prorocentrum rhathymum* (Dinophyceae) and its pigment composition from coastal waters of the eastern Arabian Sea. *Indian Journal of Geo-Marine Sciences*. 47(3); 2018; 645-652. <http://nopr.niscair.res.in/bitstream/123456789/44118/1/IJMS%2047%283%29%20645-652.pdf>

Book Chapters

- Haldar S.; Sengupta S. Volatiles in the Rhizosphere: Bioprospecting for Sustainable Agriculture and Food Security. *Volatiles and Food Security, Ed. by: Choudhary, D.; Sharma, A.; Agarwal, P.; Varma A.; Tuteja, N.* Springer. 2017; 61-80. https://doi.org/10.1007/978-981-10-5553-9_5
- Naik, M.M.; Charya, L.S.; Fadte, P.S. Lead resistant mechanisms in bacteria and co-selection to other metals and antibiotics: A review. *Heavy metals in the environment. Microorganisms and Bioremediation, Ed. by: Donati Edgardo.* CRC Press. 2018; 234-247. <https://www.taylorfrancis.com/books/9781351869966>

PhDs:

Degree Awarded: NIL

Submitted: NIL

Students on Roll: 27

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

Lectures on other occasions

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 MurtyMatta**, *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
- **Maheshwar R. Nasnodkar**, *Ph.D.*, Assistant Professor - Marine Chemistry, Estuarine Geochemistry

Major Thrust Areas and Achievements:

- Physical Oceanography, Marine Chemistry; Marine Biology and Marine Geology
- DST-FIST funded Department

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
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	ISRO	50.00
Menon, H.B.	Completed	Optical Characterization of Case II: Waters and Retrieval of Colour Components from an Optical Sensor	INCOIS	61.23
Nayak, G.N.	Completed	High Resolution Paleoclimatic Studies from the Bay of Bengal	MES	12.78
Nayak, G.N.	Completed	Estimation of Beryllium from the Polar Regions and Lake	AUC-UGC	6.03

		Sediments: Paleo-Oceanographic Implications		
Rivonker, C.U.	Completed	Assessment of Marine Biodiversity Along the Goa and Northern Karnataka Coasts	MoES	62.9
Rivonker, C.U.	Completed	Ballast Water Management Programme- India (BAMPI)	NIO	106.41
Rivonker, C.U.; Kerkar, V.	Completed	Harmful Algal Blooms (HABs): Hab Monitoring (Mangalore toGoa)	MoES	57.00
V. M. Matta	Completed	Atmospheric deposition and its influence on rain water quality and coastal waters of Arabian sea withspecial reference to nutrients and iron and manganese".	MoES	47,37
UshaMuraleedharan V.M.Matta	Completed	<i>Biogeochemical studies of the Arabian sea and the effect of river inputs from the Mandovi-Zuari systemalong the West coast of India</i>	MoES	64,00

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- *Bijesh, C.M.; Kurian, P.J.; Yatheesh, V.; Tyagi, A.; Twinkle, D. Morphotectonic characteristics, distribution and probable genesis of bathymetric highs off southwest coast of India. *Geomorphology*. 315; 2018; 33-44.
<https://doi.org/10.1016/j.geomorph.2018.04.015>
- *Choudhary, S.; Tiwari, A.K.; Nayak, G.N.; Purnima, B. Sedimentological and geochemical investigations to understand source of sediments and processes of recent past in Schirmacher Oasis, East Antarctica. *Polar Science*. 15; 2018; 87-98. <https://doi.org/10.1016/j.polar.2018.01.003>
- Fernandes, M.C.; Nayak, G.N. Geochemistry of mudflat and mangrove sedimentary environments, within tropical (Sharavati) estuary, Karnataka coast, India. *Journal of the Indian Association of Sedimentologists*. 34(1-2); 2017; 103-119.
- *Matsunuma, M.; Padate, V.P.; Motomura, H. Re-assessment of a recent Indian Ocean record of the endemic East Asian species *Dendrochirusbellus* (Actinopterygii: Scorpaenidae: Pteroinae). *ActaIchthyologica Et Piscatoria*. 48(1); 2018; 79-81. <http://dx.doi.org/10.3750/AIEP/02332>.
- *Nasnodkar, M.R.; Nayak, G.N. Chemical speciation and bio-availability of selected trace metals in the mudflat core sediments of the tropical estuaries, India. *Environmental Earth Sciences*. 76(21); 2017; ArticleID 727-.
<https://doi.org/10.1007/s12665-017-7081-z>
- *Nasnodkar, M.R.; Nayak, G.N. Source of sediment components and processes with time in middle regions of tropical estuaries along west coast of India. *Indian Journal of Geo-Marine Sciences*. 47(1); 2018; 114-126.
<http://nopr.niscair.res.in/handle/123456789/43447>

- *Neetu, S.; Lengaigne, M.; Menon, H.B.; Vialard, J.; Mangeas, M.; Menkes, C.E.; Ali, M.M.; Suresh, I.; Knaff, J.A. Global assessment of tropical cyclones intensity statistical-dynamical hindcasts. *Quarterly Journal of the Royal Meteorological Society*. 143(706); 2017; 2143-2156. <http://dx.doi.org/10.1002/qj.3073>
- *Padate, V.P.; Rivonker, C.U.; Anil, A.C.; Sawant, S.S.; Venkat, K. New records of marine fishes from the coral reefs and deep waters of Gulf of Mannar, India. *Acta Ichthyologica et Piscatoria*. 47(2); 2017; 145-161. https://www.aiep.pl/volumes/2010/8_2/pdf/04_2108_F1.pdf
- *Purnima, B.; Nayak, G.N. Source and depositional processes of the surface sediments and their implications on productivity in recent past off Mahanadi to Pennar River mouths, western Bay of Bengal. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 183; 2017; 58-69. <http://dx.doi.org/10.1016/j.palaeo.2016.12.006>
- *Sanaye, S.V.; Pawar, A.P.; Rivonker, C.U.; RayadurgaAnanthaSreepada, R.A.; Ansari, Z.A.; AnirudhRam Biochemical composition of the alligator pipefish, *Syngnathoides biaculeatus* (Bloch, 1785). *Chinese Journal of Oceanology and Limnology*. 35(6); 2017; 1501-1510. <http://dx.doi.org/10.1007/s00343-017-6070-0>
- *Sanaye, S.V.; Rivonker, C.U.; Sreepada, R.A.; Ansari, Z.A.; Murugan, A.; Ramkumar, B. Weight-length relationship and Fulton's condition factor of the alligator pipefish, *Syngnathoides biaculeatus* (Bloch, 1785) from the Southeast coast of India. *Current Science*. 113(8); 2017; 1605-1609. <http://www.currentscience.ac.in/Volumes/113/08/1605.pdf>
- *Sarathchandraprasad, T.; Banakar, V.K. Last 42 ky sediment chemistry of oxygen deficient coastal region of the Bay of Bengal: implications for terrigenous input and monsoon variability. *Current Science*. 114(9); 2018; 1940-1946. <http://www.currentscience.ac.in/Volumes/114/09/1940.pdf>
- *Velip, D.T.; Rivonker, C.U. Trophic dynamics of few selected nearshore coastal finfishes with emphasis on prawns as prey item. *Journal of Sea Research*. 136; 2018; 28-36. <https://doi.org/10.1016/j.seares.2018.03.002>
- Volvoikar, S.P.; Nayak, G.N. Change in depositional environment of Maharashtra coast, central west coast of India. *Journal of the Indian Association of Sedimentologists*. 34(1-2); 2017; 93-101.

Book Chapters:

Rivonker, C.U.; Padate, V.P.; Hegde, M.R.; Velip, D.T. Habitat Complexity of Tropical Coastal Ecosystems: An Ecosystem Management Perspective. *Management of Marine Ecosystems*, Ed. by Md. Nazrul Islam, Sven Erik Jorgensen. CRC Press. 2018; 264-286. <https://www.crcpress.com/Environmental-Management-of-Marine-Ecosystems/Islam-Jorgensen/p/book/9781498767729>

PhDs:

Degree Awarded: 13

Submitted: NIL

Students on Roll: 07

Conference Presentations, Lectures

Conference presentations/lectures:

- Adhikary, A.; Phadte, N.; Menon H.B. Non-linear interactions of visible part of the electromagnetic spectrum with total suspended matter vis-a-vis chlorophyll-a in case II waters (Poster). 5. *Nat. Conf. of the Ocean Society of India*

- (OSICON - 17), 28-30 Aug 2017. National Center for Earth Science Studies, Thiruvananthapuram, Kerala.
- Choudhary, S.; Nayak, G.N.; Khare, N. Source, processes and productivity in the recent past through spatial distribution of the surface sediments from Kongsfjord to Krossfjord system, Svalbard. *Nat. Conf. on Basin Dynamics, Facies Architecture and Palaeoclimate and 34th convention of Indian Association of Sedimentologists (IAS)*, 19–21 Dec 2017. SantGadge Baba Amravati University .
 - Choudhary, S.; Nayak, G.N.; Tiwari, A.K.; Khare, N. Source and processes of the lacustrine sediments and their effect on productivity in the recent past of Larsemann Hills, East Antarctica. *Nat. Conf. on Changing Environment*, 8-9 Feb 2018. Dhempe College of Arts and Science, Goa.
 - Dhiman, K.; Matta, V.M.; Nayak, G.N.; RahulMohan; Nath, B.N. Geochemistry and assessment of metal pollution in sediments of West Coast of India. *Nat. Conf. on Polar Sciences*, 16-17 May 2017. Nat. Centre for Antarctica and Ocean Research, Goa.
 - Hulswar, S.; Menon H.B. Implication of intra-annual processes affecting transformation of aerosols and the resultant radiative forcing over the Indian Ocean sector of Southern Ocean **(Poster)**. *Nat. Conf. on Polar Sciences*, 16-17 May 2017. National Centre for Antarctic and Oceanic Research (NCAOR), Vasco-da-Gama, Goa.
 - Kangane, J.; Nayak, G.N. Sediment source and varying SW monsoon intensity in the recent past through the study of sediment proxies, western Bay of Bengal. *Nat. Conf. on Basin Dynamics, Facies Architecture and Palaeoclimate and 34th convention of Indian Association of Sedimentologists (IAS)*, 19–21 Dec 2017. SantGadge Baba Amravati University.
 - Kangane, J.; Nayak, G.N. Reconstruction of paleo-environment through sediment proxies off Mahanadi, western Bay of Bengal. *Nat. Conf. on Changing Environment*, 8-9 Feb 2018. Dhempe College of Arts and Science, Goa.
 - Menon, H.B.; Hulswar, S. Spatial and temporal variability of aerosol optical depth, BC mass concentration and associated radiative forcing over oceanic domain of tropics, subtropics and polar water of Indian Ocean. *14. Annual meeting*, 6-11 Aug 2017. Asia Oceania Geosciences Society, Singapore.
 - Nayak, G.N. Beryllium concentration, clay minerals and metals in sediments in reconstruction of paleoclimate**(Invited lecture)**. *Nat. workshop on Beam Time Allotment and UFR Funds – Accelerator User Committee*, 5–7 Aug 2017. IUAC, Delhi.
 - Nayak, G.N. Depositional environments in estuaries as sediment, carbon and metal sinks & source in reading sea level variations, understanding bioavailability- bioaccumulation processes and health of coastal population **(Invited lecture)**. *Nat. workshop Brain Storming Session - 36th IGC: A Unique Opportunity for Advancement in Geosciences*, 17-18 Aug 2017. NCAOR, Vasco.
 - Phadte, N.; Adhikary, A.; Menon, H.B. Retrieval of chlorophyll-a from MERIS data: A comparison of the global OC4 algorithm and GU algorithm **(Poster)**. *5. Nat. Conf. of the Ocean Society of India (OSICON - 17)*, 28-30 Aug 2017. National Center for Earth Science Studies, Thiruvananthapuram, Kerala.

Lectures on other occasions:

- Nayak, G.N. Bioavailability of metals in Zuari estuarine sediments and their bioaccumulation in edible benthic biota, West Coast of India. 10 Oct 2017. *Goa Secretariat to Department of Science, Technology and Environment, Goa.*
- Nayak, G.N. Wetlands (Conservation and Management) Rules, 2017. 23 Oct 2017. *Goa State Wetland Authority, Panaji.*
- Nayak, G.N. Wetlands and Man. World Wetland Day celebrations, 2 Feb 2018. *NIO, Goa.*

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

Contractual

- **Shanti N. Dessai, Ph.D., Assistant Professor**
- **Avelyno Hubert D'costa, M.Sc., Assistant Professor**
- **Moitreyi Banerjee, M.Sc., Assistant Professor**

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Jayashree Padte	Dr. Kedar's Maternity, Infertility and Surgical Hospital, Endoscopy and IVF Centre, Panaji	Assisted Reproductive Technologies (ART)	02 and 09 Feb 2018

Major Thrust Areas and Achievements:

- Biodiversity, Comparative Physiology and Genotoxicology

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Roy, R.; Kerkar, S.	Ongoing	Development of Alternative Sustainable Fish Feeds to Promote Human Health using Novel Non-conventional Indigenous Ingredients	DBT (India); BBSRC (UK)	111.00
Shyama, S.K.	Ongoing	Genetic Stock Structure of Shevto Grey Mullet (<i>Mugil cephalus</i>) across Estuarine and Brackish Water of Goa and Development of Molecular Marker for Quick Identification of Different Stocks	DSTE, Govt. of Goa	3.00

Research publications:

Articles in journals (* in Impact Factor/ CiteScore Journals):

- *Bhagat, J. Combinations of genotoxic tests for the evaluation of group 1 IARC carcinogens. *Journal of Applied Toxicology*. 38(1-2); 2018; 81-99.
<http://dx.doi.org/10.1002/jat.3496>
- *Bhagat, J.; Ingole, B.S.; Shyama, S.K. Effects of benzo(k)fluoranthene, a polycyclic aromatic hydrocarbon on DNA damage, lipid peroxidation and oxidative stress in marine gastropod *Morula granulata*. *Chemistry and Ecology*. 33(9); 2017; 869-882. <https://doi.org/10.1080/02757540.2017.1384470>
- Bowalkar, D.; Michael, N.A.G.; Gaude, K.; Pai, I.K. A checklist of butterflies (Insecta: Lepidoptera) from Taleigao Plateau, Goa, India. *Journal of Threatened Taxa*. 9(8); 2017; 10626-10630.
<http://doi.org/10.11609/jott.2687.9.8.10626-10630>
- D'Costa A.; Shyama, S.K.; PraveenKumar, M.K.; Furtado, S. Genotoxic and biochemical biomarker responses in *Meretrix casta* exposed to environmentally relevant concentrations of Cadmium. *Journal of Biosensors, Biomarkers and Diagnostics*. 2(1); 2017; 1-7.
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- *D'Costa, A.; Shyama, S.K.; PraveenKumar, M.K. Bioaccumulation of trace metals and total petroleum and genotoxicity responses in an edible fish population as indicators of marine pollution. *Ecotoxicology and Environmental Safety*. 142; 2017; 22-28. <https://doi.org/10.1016/j.ecoenv.2017.03.049>
- *D'Costa, A.H.; Shyama, S.K.; PraveenKumar, M.K.; Furtado, S. The Backwater Clam (*Meretrix casta*) as a bioindicator species for monitoring the pollution of an estuarine environment by genotoxic agents. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*. 825; 2018; 8-14.
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- *D'Costa, S.; Pai, I.K. Trace metal variability in near shore waters along the central west coast of India. *Indian Journal of Geo-Marine Sciences*. 46(2); 2017; 304-309. <http://nopr.niscair.res.in/handle/123456789/40779>
- Deshpande, T.M.; Pandey, A.K.; Shyama, S.K. Review: Breast cancer and etiology. *Trends in Medicine*. 17; 2017; 1-7. <http://www.oatext.com/review-breast-cancer-and-etiology.php>
- *Dhawan, R.; Mohanty, A.K.; ManishKumar; Dey, G.; Advani, J.; Kesha-vaPrasad, T.S.; AshwaniKumar Data from salivary gland proteome analysis of female *Aedes aegypti* Linn. *Data in Brief*. 13; 2017; 274-277.
<https://doi.org/10.1016/j.dib.2017.05.034>
- Halarnkar, M.M.; Pai, I.K. Distribution, diversity and ecology of spider species at two different habitats. *International Journal of Environmental Sciences & Natural Resources*. 8(5); 2018; 6pp-.
<https://www.juniperpublishers.com/ijesnr/pdf/IJESNR.MS.ID.555747.pdf>
- Pai, I.K. Sericulture 'waste' silkworm pupae as alternate source for animal protein. *Innovative Techniques in Agriculture*. 1(3); 2017; 119-122.
<https://scientiaricerca.com/sritag/pdf/SRITAG-01-00015.pdf>
- Pai, I.K. Indian fisheries today. *Oceanography & Fisheries*. 3(4); 2017; ArticleID 555618-.
<https://juniperpublishers.com/foaj/pdf/OFOAJ.MS.ID.555618.pdf>

- Pai, I.K. Are we killing a golden goose in Goa?. *Aspects in Mining & Mineral Science*. 1(5); 2018; 2pp-.
<http://crimsonpublishers.com/amms/abstract/AMMS.000521.php>
- Pandit, R.; Pai, I.K. Spiders of Taleigao Plateau, Goa, India. *Journal of Environmental Science and Public Health*. 1(4); 2017; 240-252.
<http://www.fortunejournals.com/articles/spiders-of-taleigao-plateau-go-india..pdf>
- *Prasad, T.S.K.; Mohanty, A.K.; ManishKumar; Sreenivasamurthy, S.K.; Dey, G.; Nirujogi, R.S.; Pinto, S.M.; Madugundu, A.K.; Patil, A.H.; Advani, J.; Manda, S.S.; Gupta, M.K.; Dwivedi, S.B.; Kelkar, D.S.; Hall, B.; Jiang, X.; Peery, A.; Pavithra, R.; Yelamanchi, S.D.; Solanki, H.S.; RemyaRaja; Sathe, G.J.; Chavan, S.; Verma, R.; Patel, K.M.; Jain, A.P.; Syed, N.; Datta, K.K.; Khan, A.A.; Manjunath, D.; Jayaram, S.; Radhakrishnan, A.; Mitchell, C.J.; Na, C-H.; NirbhayKumar; Sinnis, P.; Sharakhov, I.V.; Wang, C.; Gowda, H.; Tu, Z.; AshwaniKumar; Pandey, A. Integrating transcriptomic and proteomic data for accurate assembly and annotation of genomes. *Genome Research*. 27(1); 2017; 133-144.
<http://genome.cshlp.org/content/27/1/133>
- *PraveenKumar, M.K.; Shyama, S.K.; D'Costa, A.; Kadam, S.B.; Sonaye, B.H.; Chaubey, R.C. Evaluation of DNA damage induced by gamma radiation in gill and muscle tissues of *Cyprinus carpio* and their relative sensitivity. *Ecotoxicology and Environmental Safety*. 144; 2017; 166-170.
<https://doi.org/10.1016/j.ecoenv.2017.06.022>
- *Singh, N.; Bhagat, J.; Ingole, B.S. Genotoxicity of two heavy metal compounds: Lead nitrate and cobalt chloride in *Polychaete Perinereis cultrifera*. *Environmental Monitoring and Assessment*. 189(7); 2017; ArticleID 308-.
<http://dx.doi.org/10.1007/s10661-017-5993-4>
- *Sreenivasamurthy S.K.; Madugundu, A.K.; Patil, A.H.; Dey, G.; Mohanty, A.K.; ManishKumar; Patel, K.; Wang, C.; AshwaniKumar; Pandey, A.; Prasad, T.S.K. Mosquito-borne diseases and omics: Tissue-restricted expression and alternative splicing revealed by transcriptome profiling of *Anopheles stephensi*. *OMICS: A Journal of Integrative Biology*. 21(8); 2017; 488-497.
<https://doi.org/10.1089/omi.2017.0073>
- *PraveenKumar, M.K.; Shyama, S.K.; ShamimKashif; Dubey, S.K.; D'costa, A.; Sonaye, B.H.; Kadam-Samit, B.; Chaubey, R.C. Effects of gamma radiation on the early developmental stages of Zebrafish (*Danio rerio*). *Ecotoxicology and Environmental Safety*. 142; 2017; 95-101.
<https://dx.doi.org/10.1016/j.ecoenv.2017.03.054>

PhDs:

Degree Awarded: **NIL**

Submitted: **NIL**

Students on Roll: **27**

Conference Presentations, Lectures, etc.

Conference presentations/lectures

- Pai, I.K. Diversity of spiders: Incontrovertible natural resource for pest control (**Invited talk**). *Nat. Symp. on Biodiversity and Natural Resources for sustainable Development*, 24-26 Nov 2017. Chaudhary Charan Singh University.

Honour & Awards

- Roy, R. **NAAC Assessor** (NAAC)

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**
- **Trivikram M. Deshpande, Ph.D. – Assistant Professor**

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Subhas Chandra Kundu	Minho University, Portugal	Natural Biomaterial Matrices for Regenerative Medicine	30 Oct 2017
Dr. Anil Tiwari	University of Pittsburgh, USA	Dysregulation of Epithelial Homeostasis in Molecular Pathology	18 Dec 2017
Dr. Imran Uddin	Interdisciplinary Nanotechnology Centre, AMU, Aligarh	Bio-inspired Synthesis of Nano-particles and their Application	22 Jan 2018
Dr. Vikash Kumar	Max Plank Institute, Magdeburg Germany	Computer Aided Drug Design: Past, Present and Future	5 Mar 2018
Dr. Jitendra Thakur	NIPGR, New Delhi	Making Biotechnological Sense of a Basic Cellular Process	19 Mar 2018

Major Thrust Areas and Achievements:

- Study of polysaccharide degrading enzymes from marine bacteria
- Biodiversity of actinomycetes in marine salterns of Goa
- Role of thraustochytrid enzymes in detrital degradation
- Potential anti-bacterial compounds from hypersaline actinomycetes
- Lectins from marine algae
- 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 biofuels
- Assessment of bacterial pathogens from mangrove ecosystems
- Potential anti-fungal compounds from halotolerant bacteria
- Identification of novel molecules from *G. nervosa* as starch blockers
- Cationic peptides
- Extraction and study of lectins from marine algae
- Use of salt pan bacteria as biofertilizers

- 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 springs
- Application of salt pan bacteria in aquaculture
- Halotolerant bacteria as biocontrol agents
- SRB's & TDLO from salt pans

Incremental Infrastructure:

- Animal cell culture Laboratory, Magnetic stirrer, Protein purification system, Orbital shaking incubator, Visi cooler refrigerator electro, standard Penetrometer hand operating, Cannon All-in-one printer, Cannon inkjet printer

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Muraleedharan, U.D.; Matta, V.M.	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
Kerkar, S.	Completed	Impact of Tourism on Estuarine Water Quality and Effect on Mangrove and Saltpan Ecosystem of Goa	DSTE, Goa	19.55

Seminars, Conferences, Workshops, etc., organized:

Programme	Date	Major Sponsors
Skill Development Workshop for Research Scholars: Chemical Analysis of Biomolecular and Computation	23-24 Nov 2017	Goa University
Workshop on Role of Three Dimensional Structures in Biological Function	13-15 Dec 2017	Joint Science Education Panel of 3 National Science Academies
Seminar for Life Sciences Research Students on Biosafety & IPR	20 Mar 2018	Dept. of Biotechnology, Goa University
A Seminar on Interaction with Biotechnology Industries in Goa	27 Mar 2018	Dept. of Biotechnology, Goa University

Research publications:

Articles in journals (in Impact Factor/CiteScore Journals):*

- Das, K.R.; Kerkar, S. Biosynthesis of iron nanoparticles by sulphate reducing bacteria and its application in remediating chromium from water. *International Journal of Pharma and Bio Sciences*. 8(4); 2017; 538-546.
http://ijpbs.net/cms/php/upload/6275_pdf.pdf

- *Das, K.R.; Kerkar, S.; Meena, Y.; Mishra, S. Effects of iron nanoparticles on iron-corroding bacteria. *3 Biotech.* 7(6); 2017; ArticleID 385. <https://doi.org/10.1007/s13205-017-1018-9>
- *Jonnadula, R.; Imran, Md.; Poduval, P.B.; Ghadi, S.C. Effect of polysaccharide admixtures on expression of multiple polysaccharide-degrading enzymes in Microbulbifer strain CMC-5. *Biotechnology Reports.* 17; 2018; 93-96. <https://doi.org/10.1016/j.btre.2017.12.008>
- Kanchana, R.; Bhat, B. Exploring the potentials of marine resources for the synthesis of nanoparticles. *World Journal of Pharmaceutical and Medical Research.* 3(8); 2017; 187-190. <http://www.wjpmr.com/download/article/25082017/1504229876.pdf>
- *Meena, S.N.; Majik, M.S.; Ghadi, S.C.; Tilve, S.G. Quick identification of piperidine alkaloid from roots of *Grewia nervosa* and their glucosidase inhibitory activity. *Chemistry and Biodiversity.* 14(12); 2017; ArticleID_e1700400. <http://dx.doi.org/10.1002/cbdv.201700400>
- *Mishra, A. Proteomic analysis of hydroxyl radical-induced resuscitation of hypoxia-induced dormant mycobacterial cells. *International Journal of Mycobacteriology.* 7(1); 2018; 7-15. http://www.ijmyco.org/temp/IntJMycobacteriol717-1755613_045236.pdf
- *Mishra, A. A commentary on Superoxide generation and its involvement in the growth of *Mycobacterium smegmatis* by Yeware, A. M., Shurpali, K. D., Athalye, M. C., and Sarkar, D. (2017). *Front. Microbiol.* 8:105. doi: 10.3389/fmicb.2017.00105. *Frontiers in Microbiology.* 8; 2017; ArticleID 1114. <https://doi.org/10.3389/fmicb.2017.01114>
- *Shirodkar P.V.; Muraleedharan U.D. Enhanced α -amylase production by a marine protist, *Ulkenia* sp. using response surface methodology and genetic algorithm. *Preparative Biochemistry & Biotechnology.* 47(10); 2017; 1043-1049. <http://dx.doi.org/10.1080/10826068.2017.1373293>
- *Sinha, R.K.; Krishnan, K.P.; Kerkar, S.; Thresyamma, D.D. Influence of glacial melt and Atlantic water on bacterioplankton community of Kongsfjorden, an Arctic fjord. *Ecological Indicators.* 82; 2017; 143-151. <https://doi.org/10.1016/j.ecolind.2017.06.051>
- *Meena, S.N.; Sharma, S.; Kulshreshtha, R.; Janarthanam, M.K.; Ghadi, S.C. Antiproliferative activity and phytochemical analysis of methanol leaf extract of *Grewia nervosa*. *Current Science.* 113(10); 2017; 1828-1830. <http://www.currentscience.ac.in/Volumes/113/10/1828.pdf>
- *Das, K.R.; Kowshik, M.; PraveenKumar, M.K.; Kerkar, S.; Shyama, S.K.; Mishra, S. Native hypersaline sulphate reducing bacteria contributes to iron nanoparticle formation in saltpan sediment: A concern for aquaculture. *Journal of Environmental Management.* 206; 2018; 556-564. <https://doi.org/10.1016/j.jenvman.2017.10.078>

PhDs:

Degree Awarded: **NIL**

Submitted: **NIL**

Students on Roll:

Conference Presentations, Lectures, etc.

Conference presentations/lectures

- Ghadi, S.C. Biotechnology: Process and applications (**Invited talk**). *SCRT workshop*, 1 Jan 2018. Vidnyan Parishad, Goa.

- Ghadi, S.C. Genome annotation of versatile polysaccharide degrader: *M. mangrovi* DD-13T (**Keynote address**). *Nat. Workshop on Bioinformatics*, 24-25 Jan 2018. St. Xavier's College, Mapusa.
- Kerkar, S. Enhancement of immune response in *Litopenaeus vannamei* by a formulated probiotic consortium. *3. Int. Conf. on Innovative Research in Science and Technology*, 7-8 Nov 2017. Gopal Krishna Gokhale College, Kolhapur.
- Kerkar, S. Biosurfactants from hypersaline bacteria and process optimization. *3. Int. Conf. on Innovative Research in Science and Technology*, 7-8 Nov 2017. Gopal Krishna Gokhale College, Kolhapur.
- Poduval, P.B.; Ghadi, S.C. The influence of external factors on marine bacteriophage ϕ MC1 specific to *Microbulbifer* strain CMC-5. *3. Int. Conf. on Innovative Research in Science and Technology*, 7-8 Nov 2017. Gopal Krishna Gokhale College, Kolhapur.
- Poduval, P.B.; Ghadi, S.C. Characterization of two marine *Microbulbifer* phages. *Int. Conf. on Power of Viruses*, 16-18 May 2018. Croatian Microbiological Society.

Lectures on other occasions

- Ghadi, S.C. Career prospect in Biology after XII (**Invited talk**). 1 Jul 2017. Don Bosco Higher Secondary School, Panaji.

Honour & Awards

- Kerkar, S. **Life Achievement in Science** (Venus International Foundation, Chennai)

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 Y V Reddy (Presently Registrar)	Member (Ex-Officio)
Prof. Nandkumar Mekoth	Member (Ex-Officio)
Prof. K. B. Subhash	Member (Ex-Officio)
Prof Guntur Anjana Devi Raju	Member (Ex-Officio)
Prof Purva G Hegde Dessai	Member (Ex-Officio)
Dr. Nilesh Borde	Member (Ex-Officio)
Dr. R. Padyala	Member
Dr. M. S. Dayanand	Member
Dr. R. Nirmala	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 financier, 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.*, **Professor and Head** – Marketing and Tourism
- **Purva Govind Hegde-Desai**, *A.C.A., Ph.D.*, Professor – Finance, Marketing
- **R. Nirmala**, *Ph.D.*, Associate Professor – Human Resources/ OB
- **Nilesh Borde**, *Ph.D.*, Professor – Finance

Tenure

- **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.
- **Tahira Mariel De Sa**, Highest qualification, Assistant Professor – Finance, General Management

Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Atanu Ghosh	IIT Mumbai	Need for innovation	29 Jul 2017
Kunal Bhattachary	D. Y. Patil University, Pune	Enterpreneurship	04 Aug 2017
Pietrick Voyer	Qatar Airways	Transformation Business & Change	06 Sep 2017
Neeraj Koushik	NIT Kurkshetra	Multivariate Analysis	02 Nov 2017
Prof. B. B. Goyal	Punjab University	Business Sustainability	14 Nov 2017

Major Thrust Areas and Achievements:

Thrust area:

- Tourism Studies

Achievement:

- MOU with the University of South Carolina in the area of Tourism and Hospitality

Incremental Infrastructure:

- 6 classrooms and the Conference room having Ceiling Mounted LCDs with Screen and 4 class rooms with Electronic Podium enhancing the audio facility

Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Borde, N.A.; Dayanand, M.S.; Hegde-Desai, P., D'Souza, E., D'Souza, K.	Completed	Drafting of Feni Policy (consultancy)	Govt. of Goa	25.00
Borde, N.A.; Dayanand, M.S.	Completed	Socio Economic Mapping of Villages Affected by Mopa Airport	GMR Goa International Airport	5.3
Hegde-Desai, P.; Borde, N.A.	Ongoing	Financing of Micro, Small and Medium Enterprises (MSMEs) in Goa (With reference to specified sectors)	UGC	6.37
Nirmala, R.; Mekoth, N.	Ongoing	Impact Assessment Study under the Deendayal Antyodaya Yojana - National Urban Livelihoods Mission	GSUDA	0.83

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
Emerging Trends in Management: Focus on Services	23-24 Mar 2018	
Structural Equations Modeling	12-13 Jan 2018	
Future Work Organizations: Perspectives, Issues and Challenges	29-30 Dec 2017	Mc Graw Hill Education, Proquest, AMDISA
Entrepreneurship Yatra	27 Oct 2017	

Research publications:

Articles in journals (in Impact Factor/ CiteScore Journals):*

- D'souza, K.; Hegde-Desai, P. Antecedents of self-regulation with respect to eating behaviour. *Indian Journal of Management*. 6(2); 2018; 10-19. http://publications.rdaindia.net/?q=RP_V6_I2_02
- Fernandes, W.N.; Nirmala, R. Workplace stress and coping strategies among Indian nurses: Literature review. *Asian Journal of Nursing Education and Research*. 7(3); 2017; 449-454. <http://ajner.com/HTMLPaper.aspx?Journal=Asian%20Journal%20of%20Nursing%20Education%20and%20Research;PID=2017-7-3-35>
- Michael Sony, M.; Mekoth, N.; Therisa, K.K. Understanding nature of empathy through the lens of service encounter: A phenomenological study on FLE's. *International Journal of Productivity and Quality Management*. 23(1); 2018; 55-73. <https://doi.org/10.1504/IJPQM.2018.088608>
- Nirmala, R.; Mekoth, N. Current and future leadership potential of students: What do business school students value? *Mirror*. 8(2A); 2018; 242-246.

- Sony, M.; Mekoth, N. Workplace spirituality, frontline employee adaptability and job outcomes: An empirical study. *International Journal of Process Management and Benchmarking*. 7(4); 2017; 437-495.
<https://doi.org/10.1504/IJPMB.2017.086925>

Book chapter

- Nirmala, R. Entrepreneurial culture in society. *Make in India: Role of Educational Institutions*, Ed. by: Bholanath Dutta and Swaroop D. Reddy. MTC Global Trust. 2017; 196-208.

PhDs:

Degree Awarded: **NIL**

Submitted: **NIL**

Students on Roll:

Conference Presentations, Lectures, etc.

Conference presentations/ lectures

- Sirdesai, S.; Hegde-Desai, P. Sustainable tourism: Impact of events on the quality of life of the local community. *Int. Tourism Conf. on Sustaining Tourist Destinations: Implications for Developing Countries*, 3-5 Nov 2017. Indian Institute of Travel and Tourism Management (IITTM), ICG, Panaji, Goa.
- Sirdesai, S.; Hegde-Desai, P. Influence of Events on local Community of Goa- A Case Study of the U-17 FIFA World Cup 2017 (India). *21. Int. Conf. on Advances and Challenges in Social Sciences & Business Management: Interdisciplinary Research and Practice*, 11-12 Nov 2017. ajasthan Chamber of Commerce & Industry in Association; Jaipur management association (AIMA).

Lectures on other occasions

- Hegde-Desai, P. Economic Policy (Working Capital), (10 sessions of 90 minutes). 30 May-8 June 2017. DHBW University, Ravensburg, Germany.
- Hegde-Desai, P. Goal Setting. *Training Programme for Indian Forest Officers*, 26 Oct 2017. IMTR, Margao, Goa.
- Hegde-Desai, P. Effective Communication and Conflict Management. *Training Program on RTI and Modern Office Management*, 9 Jan 2018. National Productivity Council, Chandigarh.
- Hegde-Desai, P. Conventional and Contemporary Sources of Finance. *Re-fresher Course in Commerce*, 19 Jan 2018. UGC-HRDC, Kannur University, Kerala.
- Nirmala, R. Effective Communication and Performance Management. *Nat. Training Programme on RTI & Modern Management*, 10 Jan 2018. National Productivity Council, Chandigarh.
- Nirmala, R. Motivation and Knowledge Management. *Nat. Training Programme on RTI & Modern Management*, 10 Jan 2018. National Productivity Council, Chandigarh.
- Nirmala, R. Personal Effectiveness. *99th Orientation Programme*, 20 Feb 2018. UGC-HRDC, Goa University.

Department of Commerce

Faculty:

Full-time

- **K.B. Subhash, Ph.D., Professor, Head & Dean of Faculty**– Finance, Entrepreneurship, Quantitative Techniques, Strategic Management, Materials Management and Tourism
- **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
- **G. Anjana Devi Raju, Ph.D., Professor**– Accounting & Finance and Capital Market Studies
- **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., Ph.D., Assistant Professor** – Accounting & Finance, Quantitative techniques, Econometrics, Risk management
- **Pushpender Kumar, Ph.D., Assistant Professor** – Accounting & Finance, Cost management
- **Pinky P Pawaskar, Ph.D., Assistant Professor** – Finance & Management, Marketing
- **Vitiksha Chandrakant Venji, M.Com., Assistant Professor** – Accounting & Finance
- **Narayan Parab, M.Com., Assistant Professor** – Accounting & Finance

Contractual

- **Anisha Sawant Dessai, M.Com., Assistant Professor** – Accounting & Finance

Seminars, Conferences, Workshops organized:

Programme	Date	Major Sponsors
Karvy-Seal (Student Engagement and Applied Learning) Workshop	10-11 Aug 2017	Goa University

Research publications:

Articles in journals:

- Aguiar, E.; Poornima, B.G.; Reddy, Y.V. Diversification strategy and firms' performance: An empirical analysis of select FMCG firms in India. *Management Today*. 7(3); 2017; 125-144.
http://www.mgmt2day.griet.ac.in/papers/MT_4_7.3.1.pdf
- Aguiar, E.; Reddy, Y.V. Corporate diversification on firm's financial performance: An empirical analysis of select FMCG companies in India. *Management Today*. 7(4); 2017; 194-205.
http://www.mgmt2day.griet.ac.in/papers/MT_4_7.4.2.pdf

- Albuquerque, A.L.; Rodrigues, A. Sustainability of e-banking technologies in the dusk of demonitisation. *Asian Journal of Research in Banking and Finance*. 8(4); 2018; 1-11. <http://dx.doi.org/10.5958/2249-7323.2018.00023.8>
- AnjanaRaju, G.; Jambotkar M.M. An Empirical Evidence of the Casual nexus between Indian Foreign Currency Futures and Spot markets. *Commonwealth Journal of Commerce and Management Research*. 5(4); 2018; 109-122. <http://www.cjcmr.org/wp-content/uploads/2018/5.4.8.pdf>
- AnjanaRaju, G.; Marathe, S. Impact of crude Oil prices shocks in China, India and USA on the inflation. *Inspira: Journal of Commerce, Economics & Computer Science*. 3(3); 2017; 1-6. <http://www.inspirajournals.com/uploads/Issues/1938346870.pdf>
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Sari, Dini WahjoeHapsari, GrisnaAnggadwita and Erni Martini. Telkom University, Bandung, Indonesia. 2018; 29-43.

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Book chapter:

- Castanha, J.; Subhash, K.B.; Chang, L.; Ganef, J.P. Importance – Performance Analysis of Entertainment Industry. *Marketing Management: Innovations and Strategies*, Ed by: Muraleedharan, K. P. Broadway Publishing House, Goa. 2017; 15-45.

Book:

- Poornima, B.G.; Reddy, Y.V. Risk Assessment in Indian Financial Markets: An Empirical Study in Equity, FOREX and Derivative Markets. *Lap Lambert Academic Publishing, Mauritius*. 2017; 204pp.

PhDs:

Degree Awarded: 12 Submitted: 8 Students on Roll: 11

Conference Presentations, Lectures, etc.

Conference presentations/ lectures:

- SriRam, P. Hedge Ratio and Hedging Effectiveness Estimates for Stock Futures on NSE India. *Int. Conf. on Modern Management Strategies, E-commerce and Global Economy-In Indian Context*, 2-3 Feb 2018. Inspira Research Association (IRA), Jaipur & LBS PG College, Jaipur.
- AnjanaRaju, G. Gold Uncertainty and Effect on Indian Economy. *Int. Conf. on Changing Business Landscape: Implication for Management Education and Research*, 4 Apr 2018. St. Aloysius College, Mangalore.
- AnjanaRaju, G. Impact of dividend announcement on shareholder's wealth: A study of Indian Goods Sector. *Int. Conf. on Emerging Issues and Challenges in Commerce and Management*, 6-7 Apr 2018. Rosary College of Commerce and Arts Navelim, Salcete, Goa.
- AnjanaRaju, G. Commerce and Management Education in India: Importance, Challenges and Opportunities and Measures. *Nat. Seminar*, 26-27 Jul 2017. AnnasahebDange Arts, Commerce and Science College, Hatkanagale, Kolhapur.
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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.

In the present year faculty members submitted twenty one projects to various funding agencies. Fifteen new projects amounting to a total outlay of 2.33 Crores were sanctioned in this year. In addition four consultancy projects worth 5.86 lakhs were also operational during the course of this year.

RDRM Cell is responsible for assessing patent applications submitted by faculty members and students of the University. It also provides assistance in drafting the patent application. New intellectual property assessment committee was constituted this year. Adv. Shalini Sitaraman was appointed as the legal advisor to this committee. One patent application was filed during this year.

At the behest of Internal Quality Assurance Cell, RDRM drafted a policy for incentivising research activities going on on this campus. As a part of this policy, faculty members receive certain monetary incentive for their publications in SCOPUS listed journals. This incentive can only be used for research and academic purpose.

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 country'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 Board, 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., 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., Department of Sociology, Tripathi R., Department of Political Science and Alberto Fernandes, Academic (General) Contact - mails: ganesh@unigoa.ac.in, rmt@unigoa.ac.in and albert@unigoa.ac.in

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

In keeping with its mandate and the decisions taken by the Board at the last meeting, the Board worked on the extra mural component and conducted extra mural courses, besides organizing extension service programs. More specifically, the activities conducted were as follows:

I. EXTRA MURAL COURSES

a. **Certificate course on Philosophy of Science.** It was the first ever course of the Board conducted by Dr Milan Desai, initially 35 students were registered and 13 students completed the course. It was offered as a Four Credit course

b. **Certificate course on "Documentation using LaTeX".** It was conducted by Prof R.V. Pai, 23 candidates successfully completed the course. It was offered as a One Credit course

c. **Certificate course on Philosophy of Mind.** For the course on Philosophy of Mind, the Director and Dr Milan Desai visited NIO, Rachol Seminary, Pilar Seminary, BITS Pilani at Sancoale, and Naval Academy at Verem to mobilise potential candidates for the course. 10 candidates completed the four credit course, out of which five were from various Departments and they expressed interest in further courses in philosophy. The four candidates from the Naval Academy attended some lectures and could not pursue further due to their work related engagements.

II. EXTENSION SERVICES

A Programmes on English Teaching/Learning

a. The Board in collaboration with Quepem Taluka Teachers' Unit conducted a one day workshop for High School English teachers of the Taluka with Dr. Isabel Vaz and her team from Mustard Seed Company as resource. The workshop entitled "Drama in the Classroom" was attended by 32 teachers from Quepem and 4 teachers from Sanguem.

In the oral feedback of the participants, they found that the workshop was an eye-opener to them on how to make the class active and interesting. A Headmistress who was present in her capacity as the Secretary of the Quepem Taluka Teachers' Unit, was of the opinion that the pedagogy was useful for all subjects

b. In association with DMC college, Assagao, the Board conducted a two day workshop in spoken English for more than 60 students of Union High School Assagao and New English High School, Keri (Pernem). The programme included sessions on phonetics, with emphasis on pronunciation and enunciation, and basics of public speaking, body language and etiquette, vocabulary building through fun, games and a session at the language lab, conversational skills and role play, art of persuasion and advertising skills, active listening skills and creative story-telling, and an opportunity for the students to display their oratorical skills. Priya Almeida, M. Shanthi were the key resource persons.

B. Programmes for Women

a. The Board in collaboration with Shree Mallikarjun College of Arts and Commerce, Belem, Canacona, conducted an Entrepreneurship Development Programme for rural women. There were 145 members from 25 self-help groups of Cotigao and Gaodongri Villages. The Principal reported that around 755 of the participating women were illiterate, essentially tribal. They were oriented in marketing skills to market their cane furniture, coir mats and bamboo items. The programme included a talk on need for entrepreneurship development' drawing a business plan, self employment schemes of Goa Government and Government of India, role of self help groups in employment creation. The resource persons included Vividh Pawaskar, Asst. Professor at the College, Abel Barreto, a local businessman, Vaman Samant, Social Welfare Officer, BDO Office, Canacona, Umesh Gaonkar, Sarpanch of Cotigao.

b. On International Women's Day in collaboration with Kare College of Law, Margao, the Board organised a one day state level seminar entitled "Transforming woman's life: issues, concerns and challenges". There were two components: one on legal issues and social challenges and the other on health and well-being of women. The programme included sessions on legal rights of women under criminal law, role of NGOs towards social upliftment of women, legal protection of women: Indian scenario, role of Government in promotion of wellness among women, womans emotional health: life, love and relationship. The resource persons included Public Prosecutor Poonam Bharne, Joan Rebello retired Vice Principal of Damodar college, Goretti Simoes, Asst Prof, Kare College, Cheryl Afonso DeSouza, nutritionist and Asst Professor, Carmel College, Shruti Nadkarni, Asst Professor, Kare Law College, Nisha Costa.

c. In collaboration with Department of Women's Studies, Goa University, a legal awareness program was organized for 29 Anganwadi teachers, who have regular

contacts with the local community. The program was coordinated by Ms Jagriti Shankar, who was also a resource person. Dr. Albertina Almeida, an advocate and human right activist was the resource person, who also assisted in planning and organization of the workshop. The program included interactive sessions on women's rights, legal systems, and women related laws, roles of State Commission for Women, the role of witness, role of Internal Complaints Committees under the sexual harassment law. A need was felt by the anganwadi teachers for continuous interaction, in enriching their interface with the law for the women they engage with from the community.

C. Political Awareness Programs

a. The Board in collaboration with the Department of Political Science organised an immersion program for the political science students to the far flung tribal villages of Netravali and Tudav, where they interacted with the villagers and compiled a list of concerns of the villagers. The students of the local school were also enlightened about careers in Political Science.

b. The Department of Political Science visited the neighboring village of St. Cruz, Tiswadi, to get acquainted with the issue of the village being brought under the jurisdiction of the Greater PPDA.

D. Program on History Learning

The Board in collaboration with Department of History conducted a workshop 'Teaching to Learn- Learning to Teach; Recent Trends in History' for history teachers of Higher Secondary Schools of the state. 38 teachers attended. Prof. Kumkum Roy of JNU, retired Prof. B. Surendra Rao, Prof. Nagendra Rao and Dr. Celsa Pinto, were the resource persons.

Dr A. Viegas

Director

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: 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

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: Prof. P. K. Sudarsan, Department of Economics and
Dr. V. Gopakumar, University Librarian

3.8 National Service Scheme

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.

Courses conducted

- Rains of faith and sorrow – Concert and Album Release of Goa University Choir conducted by Prof Santiago Lusardi Girelli
- Goa in the making of the Portuguese empire (16th – 18th centuries) by Dr. Ângela Barreto Xavier
- Painting in Renaissance Italy: A Survey of Important Masters and Issues by Professor Raman Siva Kumar
- The Gender of Literatures and the Literatures of Gender by Vrinda Nabar
- The Thumri Orchard: Stylistic perspectives, themes, and the gender connect in Thumri Gayaki by Vidya Saha
- Public lecture by Prof Dhruv Raina
- *Lusosonia: Post-colonial cartographies on sounds and memories*

- *Public Lecture series by Professor Saurabh Dube on 9th, 10th and 11th January 2018*
- *Public Lecture series by Professor Kumkum Roy, D.D. on 12th & 18th January 2018*
- *Writing Lives: An Interactive Literary Series By Professor Vrinda Nabar*
- *Reading and Writing Workshop for Social Science Research Scholars*
- *Nation, Gender and Politics in India by Professor Ishita Banerjee-Dube*
- *Heritage(s) of Portuguese Influence in the Indian Ocean Borders*
- *Situating the History and Theory of the Scientific Revolution by Professor Dhruv Raina*
- *Western Music in Dialogue with History, Arts and Philosophy by Prof. Santiago Lusardi Girelli*

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.

PART: 4

GENERAL ADMINISTRATION AND ACTIVITIES

4.1 General Information

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;

4.2 Computerisation and IT Infrastructure

Goa University envisaged the creation and establishment of an Information and Communication Technology frame work for improving the efficiency of delivery of its services to all its stakeholders – the student community, the teaching faculty, the administrative staff and the general public at large. In this regard and Integrated ERP Goa University Management System has been implemented. The entire project is implemented in three phases with 27 various modules with its functionalities. The solution is hosted centrally at the University's Data Center along with other infrastructure support.

Salient Features of the GUMS is as given below :-

- Management of entire Student Life Cycle.
- Facilitates proper and accurate report generation through Management Information System (MIS) for University authorities for monitoring and quick decision making.
- Reduction of redundant workload of employees.
- Electronic security and control of confidential data.
- Fast disposal of stakeholder grievances.
- Dissemination of information as per public requirements.

A professional Data Centre with Smart Cabinets is set up in the Computer Centre. All the important and dedicated servers have been placed there with proper security. The network connectivity with optic fibre cable has been laid on university campus. Further network facility was extended on the campus under NMEICT scheme. This has upgraded the network infrastructure by connecting the newly constructed premises. Most of the areas have been brought under WiFi connectivity. University has two dedicated lease lines with redundancy having 1 gbps bandwidth from NKN and 100 mbps bandwidth from Tata Telecommunications serving faculty members, students and others. Entire network is secured with Fortigate firewall and individual desktops are secured with SOPHOS / Quick Heal antivirus solution. Network is structured with dedicated manageable network switches. A separate network has been established for exclusive usage for about 60 Cameras 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 173194 books and 11983 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 thorough 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 suing 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 e-Sodhsindhu 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.

e-Sodhsindhu

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 742 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. Library hosted two International Conferences in the campus namely iKOAL and Library Technology Conclave 2018.

University Librarian: V. Gopakumar

4.4 Sports Activities

No	Event	Men		Women	
		Winners	Runners-Up	Winners	Runners-Up
01	Badminton	Shree Damodar, Margao	V.M.Salgaoncar Law, Miramar	Shree Damodar, Margao	V.M.Salgaoncar Law, Miramar
02	Table Tennis	Chowgule, Margao	Don Bosco, Fatorda	Chowgule, Margao	St. Xavier's, Mapusa
03	Judo	Shree Damodar, Margao	St. Xavier's, Mapusa	P.E.S. Farmagudi	Rosary, Navelim
04	Swimming	G.M.C. Bambolim	Dhempe, Miramar	G.M.C. Bambolim	Agnel Institute, Assagao & PGGU
05	Chess (Open)	G.E.C. Farmagudi	G.M.C. Bambolim	----	----
06	Weight Lifting	Vidya Prabodhini, Porvorim	DM's, Assagao	----	----
07	Power Lifting	Kare Law, Margao	Don Bosco, Panaji & G. Parsekar, Harmal	----	----
08	Best physique	Chowgule, Margao	Don Bosco, Panaji	----	----
09	Cross Country	Shree Mallikarjun, Canacona	G.C.Quepem	Shree Mallikarjun, Canacona	G.C.Quepem

10	Tenni koit	----	----	Shree Mallikarjun, Canacona	Rosary, Navelim
11	Footb all	Rosary, Navelim	Dempo, Cujira	Carmel, Nuvem	Rosary, Navelim
12	Taek wond o	Chowgule, Margao	M.E.S. Zuarinagar	Rosary, Navelim	Chowgule , Margao
13	Tenni s	G.M.C. Bambolim	Goa Multi Faculty, Dharbandora	----	----
14	Kabad di	St. Xavier's, Mapusa	Zantye, Bicholim	Zantye, Bicholim	G.C.Perne m
15	Athlet ics	G.C.Quepem	M.E.S,Zuarinagar	G.C.Quepe m	St. Xaviers, Mapusa
16	Kho- Kho	Shree Mallikarjun, Canacona	C.E.S. Cuncolim	C.E.S. Cuncolim	G.C.Quep em
17	Handb all	Damodar, Margao	St. Xavier's, Mapusa	St. Xavier's, Mapusa	Don Bosco, Panaji
18	Hocke y	G.C.Quepem	St. Xavier's, Mapusa	G.C.Quepe m	St. Xavier's, Mapusa
19	Baske tball	Don Bosco, Panaji	St. Xavier's, Mapusa	Damodar, Margao	St. Xavier's,
20	Volle yball	G.C.Pernem	St. Xavier's, Mapusa	Carmel, Nuvem	Don Bosco,
21	Baseb all	Damodar, Margao	Shree Mallikarjun, Canacona	G.V.M's, Ponda	Don Bosco,
22	Cyclin g	Rosary, Navelim	G.C.Quepem	----	----
23	Cricke t	S. Caculo, Mapusa	Don Bosco, Fatorda	DM's Assagao	Dempo, Cujira

Inter University Championship Participation and Performance, 2017-2018.

No	Event	Date	Zone	Venue	Performance
01	Aquatics – Women.	26/10/2017	All India	Chandigarh	Participation.
02	Aquatics – Men. Aalhad V. Chati.	26/10/2017	All India	Chandigarh	Gold in 3M Spring Board and Silver in High Board Diving.
03	Cross Country Men.	30/10/2017	All India	Belgavi	Participation
04	Cross Country Women.	30/10/2017	All India	Belgavi	Participation
05	Athletics Men.	12/12/2017	All India	Guntur	Participation
06	Athletics Women.	12/12/2017	All India	Guntur	Participation
07	Volleyball Men.	11/01/2018	West Zone	Jabalpur	Lost in All India

					qualifying match
08	Football Women.	25/12/2017	West Zone	Gwalior	Winner
09	Football Women.	27/12/2017	All India	Gwalior	Forth Place
10	Football Men.	25/12/2017	West Zone	Bhopal	Lost in All India qualifying match
11	Kho Kho Men.	06/01/2018	West Zone	Nanded	Second round
12	Power Lifting Men.	11/02/2018	All India	Chandigarh	Participation
13	Cricket Women.	15/01/2018	West Zone	Nanded	Won two rounds
14	Cricket Men.	14/02/2018	West Zone	Bhopal	Participation

Goa University teams at Inter University Championship, 2017-2018

Sr. No	Event	Names of Players and Officials.
01	Aquatics – Women.	Genevieve D’Costa Official : Mr. Deepak Chetry
02	Aquatics – Men.	Aalhad Chati, Nikhil Nagvekar, Anikit Sehrawat Official: Mr. P. Narsimhalu
03	Cross Country -Men.	Jayant Gaonkar, Sunil Gaonkar, Yogesh Gaonkar, Suraj Bind, Ajay Bind, Robinson Colaco
04	Cross Country -Women.	Vijayshree Velip, Rohini Gaonkar, Vilma Faleiro, Chetali Bhandari, Deepa Velip, Alisha Velip Official: Dr. Francis Lobo, Mr. Savio Leitao
05	Athletics - Men.	Vaibhav Naik, Antonio Faleiro Official: Digambar Narvekar
06	Athletics - Women.	Tanvi Vargaonkar Officials: Mrs. Devi Gaonkar
07	Volleyball - Men.	Rehan Malik, V. Arvind, Viraj Sawant, Swapnil Sawant, Ambrose Pereira, Pratik Kannaik, Clint Luis, Utkarsh Dhawaskar, Adhitya Dhawaskar, Pruthviraj Rane, Ashish Parab, Akash Rane Offical: Avelino Pereira
08	Football - Women.	Astrid Pereira, Macrenna Dias, Ageema Rodrigues, Mabel Mascarenhas, Sancia Mendes, Alisha Tavares, Vailanka D’Souza, Linda Calado, Velanie Fernandes, avia Vas, Maheshwari Haldankar, Cynthia Lobo, Scindia Saundatkar, Keenda D’Souza, Chetna Tirodkar,

		Leena Gaunso, Marlet Cardozo, Navilla Colaco, Vilma Faleiro, Lanessa Simoes Official: Mrs Ramona D'Souza
09	Football - Men.	Nikhil Naik, HARshad Gaonkar, Deepak Chatri, Klins Mendes, Clive Miranda, Snedden Medeira, Suraj Naik, Sachidanand Satelkar, Pralad Velip, Devendra Pednekar, Sherwin Da Cunha, Gautam Dias, Bhivshet Aniket, Sylvester Dias, Augustin D'Mello, Alrich D'Souza, Paresh Vaigankar, Rudresh Tendulkar, Joston Cardoz Official: Mr. Siddesh Kesarkar, Mr. Sunny Kanekar
10	Kho Kho - Men.	Amresh Velip, Ravi Velip, Dipesh Velip, Kiran Shelar, Kushal Das, Vishnu Powar, Jayant Gaonkar, Indrajeet Gaonkar, Roshan Gaonkar, Binay Gaonkar, Yogesh Gaonkar, Averam Gaonkar Official: Caitano Clemento, Sebastiao Gomes
11	Power Lifting - Men.	Varad Padmakar, Ulhas Virnodkar, Purnay Raikar Officials: Mr. Andrew Gomes
12	Cricket - Women.	Bhakti Naik, Uzma Sayed, Sujidha Naik, Swati Kopardekar, Sayani Raut Desai, Apurva Desai, Bindia Kavlekar, Seeta Bhardwaj, Roshan Kandgal, Saisha Naik, Sweety Parab, Neha Chari, Rakshanda Pilankar, Shreya Parab, Ciya Faldesai, Manasee Chari Official: Ms. Freeda Pereira, Mr. Shishir Divkar
13	Cricket - Men.	Shivam Amonkar, Rohit Naik, Yogesh Naik, Avishkar Mone, Saiesh Bhonsle, Pranal Sawant, Sidharth Zarmekar, Sandeep Navik, Shubham Jha, Ryan Fernandes, Shalmon Amonkar, Gauresh Khandekarkar, Vishwatej Vaigonkar, Sanyat Kanekar Official: Mr. Aalok Shirodkar, Mr. Gaurang Dhuri

Goa University Sports Awards, 2017 -2018

- i) Best College in Sports (Women) : Govt. College, Quepem.
- ii) Best College in Sports (Men) : Shree Damodar College, Margao
- iii) Best Sportswoman: Miss. Kaisiya Fernandes (St. Xaviers College, Mapusa)
- iv) Best Sportsman : Mr. Aalhad V. Chati (Goa Dental College, Bambolim)

4.5 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-HRC has been regularly organizing Seminars / Conference / Interaction Programs/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 completed 99th Orientation Programs and 189th Refresher Courses eating 3534 and 5637 participants respectively beside this, there was also short term courses. During the year 2017-18 the UGC-HRDC, conducted four Orientation Program, four Refresher Course in subject of Natural & Bio Science (Inter Disciplinary), Hindi, Chemistry and Social Science (Inter Disciplinary), one Short Term Course Research Methodology , one Principal's Meet and one Training Programme for University Officers. Thus the year 2017-18, 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 2017-18

	Courses Conducted	Male	Female	Total
1	96 th Orientation Programme 21-03-2017 to 17-04-2017	24	16	40
2	Refresher Course in Natural & Bio-Science (Inter Disciplinary) 29-03-2017 to 18-04-2017	27	04	31
3	Training Programme for University Officers 04-05-2017 to 31-05-2017	6	5	11
4	97 th Orientation Programme 04-07-2017 to 31-07-2017	18	4	22
5	Refresher Course in Hindi 01-09-2017 to 21-09-2017	17	12	29
6	Principal's Meet 23-09-2017	14	7	21
7	98 th Orientation Programme 14-11-2017 to 11-12-2017	23	20	43
8	Refresher Course in Chemistry 01-12-2017 to 21-12-2017	29	3	32
9	Short Term Course Research Methodology 02-01-2018 to 08-01-2018	32	7	39
10	Refresher Course in Social Science (Inter Disciplinary) 06-02-2018 to 26-02-2018	30	9	39
11	99 th Orientation Programme 08-02-2018 to 07-03-2018	38	3	41

4.6 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

4.7 Internal Quality Assurance Cell (IQAC)

1. Overhauling and content development (day to day basis) of the University website
2. Updation of staff, student, publications, conference presentations, projects and events databases
3. Institutional repository updation: Newly published information has been added to the repository. The additions of theses has been streamlined during the year
4. Participation in various National Ranking Surveys: (i) NIRF, (ii) India Today, (iii) The Week
5. Inputs to the Institutions of Excellence (IoE) application and Rashtriya Uchhatar Shiksha Abhiyan (2.0) (RUSA 2.0)
6. Compilation of (a) Departmental reports for University annual report and (b) AQAR Report from PBAS datasets submitted by the faculty members and departmental information
7. Presentations/lectures on quality enhancement in HEIs at Orientation programmes, refresher courses, administrative staff training programme, Other organisations having interest, etc.
8. Conduct awareness programmes related to quality enhancement in HEIs: Presentations/lectures on quality enhancement in HEIs at Orientation programmes, refresher courses, administrative staff training programme, Other organisations having interest, etc.
9. Organization of National Event: National Workshop on Quality Enhancement in Higher Education (9-10 March 2018)
10. Article in journal:
 - Mukhopadhyay, P.; Tapaswi, M.P.; Sudarsan, P.K.; Sudarsan, K. Assessing quality in higher education institutions in India: An alternate framework. *Current Science*. 114(6); 2018; 1167-1173.
<http://irgu.unigoa.ac.in/drs/handle/unigoa/5159>
 - 1. Miscellaneous publications:
 - Mukhopadhyay, P.; Tapaswi, M.P.; Sudarsan, P.K. Key queries. *The Telegraph*. 17 Apr 2018. <https://www.telegraphindia.com/opinion/key-queries-221205>
 - Mukhopadhyay, P.; Tapaswi, M.P.; Sudarsan, P.K. The 'search' for eminence. *The Telegraph*. 5 Dec 2017. <https://www.telegraphindia.com/opinion/the-search-for-eminence-189793>
 - Mukhopadhyay, P. Why India's University ranking system is flawed. *Hindustan Times*, 4 Jul 2017. <https://www.hindustantimes.com/opinion/why-govt-s-university-ranking-system-needs-urgent-review/story-7o60o5uoIKPugG83t9D2yJ.html>
 - 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/>
 - 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/>

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: Dhempe College of Arts and Science
P.B. No. 222, Miramar, Panjim- Goa- 403001

Principal's Details:

Name: Dr.Vrinda P. S. Borker

Contact no.: 9822129669

Email:principal@dhempecollege.edu.in

College website: <http://www.dhempecollege.edu.in>

The NAAC accreditation status:

Whether accredited : Yes

Score and Grade : 'A' Grade (3.20)

Round of accreditation: 4th cycle

Courses offered& Sanctioned and filled strength:

- B. Sc.(F.Y.): sanctioned-199; filled-199
- B. A.(F.Y.): sanctioned-180; filled-187

Faculty strength: Teaching staff: 64

Achievements of the College:

- College has been awarded Centre for Potential Excellence.
- College has procured A grade with **3.20** CGPA from NAAC accreditation.
- Institution is **ISO** certified and also received **Green Certification Level III**.
- It has active MOU's with NIO, SANGATH, NCAOR, ICAR, TERI, National Association for Blinds and **INSERM (France)** and partners with IIT B (Spoken Tutorial- North Goa Centre), IIT Kharagpur, Mukta Foundation, CIBA(Incubation Centre) and Micro ,Small and Medium Enterprises (MSME).
- College has successfully conducted **20** Need based value added courses and **247** students benefited from the same.

Sponsored Research Projects sanctioned / Completed during June 2017 to May 2018.

Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned, ongoing or completed.
Mrs. Suchana Amonkar	Effects of Manganese on various Tissues of Paphia Malabarica : A Biochemical Study on Metabolites and Metabolic Enzymes	20 Feb 2015	UGC	4.3	On going
Dr. Roshida Rodrigues	Approaches to Renvironmental Ethics	20 Feb 2015	UGC	1.35	On going
Mrs. Vrishali Prabhugao nkar	Education in Goa- 1961-2000 : Issues and Policies	20 Feb 2015	UGC	1.45	On going
Dr. Swati Pawar	Design and Development of a Potovoltaic and Human Power Hybrid Energy System	2 Aug 2017	DST	3	Sanctioned
Dr. Swati Pawar	Study of Quantum Phase Transitions in Bose-Hubbard Chains	6 Sept 2017	UGC	2.75	Sanctioned
Mrs. Shilpa Naik	Study of the Effect of Medium of Instruction in E-learning a Software	6 Sept 2017	UGC	2.85	Sanctioned
Dr. Manoj Ibramprkar	Assessment of Spring Water Quality in Bardez and Tiswadi Talka of Goa	26 Oct 2017	DST	2.7	Sanctioned

Conferences/workshops organized:

State Level: 10

National Level: 5

International Level: 1 in collaboration with Goa University.

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	02	08	14	24
	Foreign Publisher	Indian Publisher	Local Publisher	
(a) Research papers In Edited Books	--	03	02	05
(b) Books	--	02	--	02
Total	02	13	16	31

Papers presented in conferences/Seminars/Workshops:

Abroad: 01 (virtual)

Within India: 10

Within Goa: 24

Invited Lectures given by the faculty.

Within India: 04

Within Goa: 28

No. of teachers who obtained research degree during the year:**Ph.D.:**03**No. of teachers who are pursuing research degree:****Ph.D.:** 05**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 Mahila Ratan Gold Medal Award	Indian Solidarity Council, New Delhi.
Mrs. Manjiri Barve	Felicitation on Teacher's Day	Inner-Wheel Club of Panjim.

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	01	-	01	-	09
National	-	01	01	-	-	-	02
Total	05	03	02	-	01	-	11

Details of the top 5 Sports Achievements, if any, at National and International Level:

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
Kum. Marushca Rebeiro	Athletics (4x100 m Relay)	29 th West Zone Junior Athletic Championship on 16/09/2017 and 17/09/2017	Maharashtra Athletic Association, Nagpur	2 nd Place
Kum. Prachi. Kankonkar	Softball	19 th Senior National South Zone Softball Championship for men and women 6/10/2017 to 8/10/2017	Kerala Softball Association	3 rd Place

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-750
- B. Sc (Biotechnology) - sanctioned-70 & filled-80
- B. Sc. (Geography) - sanctioned-20 & filled-03
- B. Sc. (Biochemistry) - sanctioned-40 & filled-19
- B.Sc. (Statistics) – sanctioned-20; filled-05
- B. A. - sanctioned-540 & filled-432
- B. A. (Portuguese)- sanctioned-60 & filled-03
- B. A. (Sociology)- sanctioned-20 & filled-26
- B.Voc - sanctioned-30; filled- 20
- M. A. (Geography) - sanctioned-40 & filled-45
- M. A. (Economics) – sanctioned-40 & filled-12
- M. A. (Hindi) – sanctioned-40 & filled-15
- M. A. (Psychology) - sanctioned-40; filled-15
- M. Sc. (Information Technology) - sanctioned-40 & filled-38
- M. Sc. (Analytical Chemistry) - sanctioned-40 & filled-11
- Post Graduate Diploma in Computer Applications – sanctioned-30 & filled-13
- Post Graduate Diploma in Geoinformatics– sanctioned-20 & filled-19
- Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques– sanctioned-15 & filled-04

Research Centre:

- Geography
- Hindi
- Botany

No. of candidates registered for Ph.D. under the Research Centre:

- Geography - 04
- Hindi - 04
- Botany - NIL

Any new course(s) started:

- B.Voc. in Software Development
- B.Sc. in Statistics

Faculty Strength: 70.**Achievements of the College:**

- The College has been placed in Rank band '101-150' amongst the 1087 colleges all over the country who participated in India Rankings 2018, for Colleges in the (NIRF) conducted by the Ministry of Human Resource Development, Govt. of India.
- The College has been selected by the Department of Biotechnology (DBT), Government of India, for implementation of the project for strengthening of Life Science and Biotechnology Education and Training at undergraduate level under Star College Scheme and has been sanctioned a grant of Rs. 123 lakhs.

- Goa Rugby Union awarded our College with the ‘Best Internship partner Award’ at the Goa Rugby Awards 2018. Around 10 of our students interned with the Goa Rugby Union.
- The College became the first educational institution in the state of Goa, to have “Translation Center” on 22nd July, 2017.
- The college has signed Memorandum of Understanding with the following institutions:

At International level:

- i) Universite De La Reunion, France to establish and develop closer cooperation links in the fields of higher education and research.

At National level :

- i) Parishkar College of Global Excellence, Jaipur in the areas of education, training and research.
- ii) Sophia Girls’ College (Autonomous), Ajmer, Rajasthan in the areas of education, training and research.
- iii) Rayat Shikshan Sanstha’s Dahiwadi College, Dahiwadi, Satara, to strengthen institutional academic and research programme.

At State level :

- i) Goa Institute of Public Administration and Rural Development (GIPARD), Old Goa to provide a framework of co-operation and facilitate collaboration between the parties to meet the broader goals of training and capacity building of government employees, elected representatives and civil society in the State.
- ii) Manovikas English Medium School, Margao in the areas of education, training and research.
- iii) Centre for Incubation and Business Acceleration, Verna, Goa to develop an Industry-Academia relationship and to develop effective curricula, research targets, start-ups, create awareness for entrepreneurship among students and to groom budding entrepreneurs and innovators.
- iv) Alliance Francaise, Panaji in the areas of education, training and internship.

**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	Effects of International Tourism Related Activities on the Social and Economic Life of the Adjoining Rural Hinterlands: A Comparative Study of Goa (India) and Chonburi (Thailand) in the Globalized Era.	25-10-2017 14 th – 27 th March 2018	ICSSR and National Research Council Thailand -NRCT (Thailand)	3.50	Completed
2	Purnima Singh	Studies on characterization of most promising substance of biotechnological interest from selected bacterial strains of extreme environment.	14.08.2017 to 13.08.2019	SERB	19.20	Sanctioned

Minor 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	Sandesh Bugde	Synthesis of Naturally Occurring Cyclobutanes Through [2+2] Cycloaddition Reaction.	26-10-2017 2017-2019	Directorate of Higher Education, (DHE), Alto, Porvorim-Goa	3.20	Sanctioned

2	Lactina Regina Gonsalves	Development of Functionalised Nanoparticle oxides for Gas Sensing and other Potential Applications.	26-10-2017 2017-2019	Directorate of Higher Education, (DHE), Alto, Porvorim-Goa	3.10	Sanctioned
3	Rohan K. Kunkalekar	Synthesis of ZnO nanomaterials and its catalytic and antibacterial applications	26-10-2017 2017-2019	Directorate of Higher Education, (DHE), Alto, Porvorim-Goa	3.60	Sanctioned
4	Uma Masur	Molecular characterization of Dysoxylum binectariferum Hook-f. regenerated plants in vitro by RAPD, SSR and ISSR methods.	26-10-2017 2017-2019	Directorate of Higher Education, (DHE), Alto, Porvorim-Goa	3.50	Sanctioned
5	Sachin Moraes	Male International migration and the experience in rural Goa.	10-01-2018 2017-2019	ICSSR, New Delhi	2.50	Sanctioned

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	Research Methodology & Research Design	SNDT Women's University, Pune Campus, Pune	4 days	Rs. 2000.00
Sanjay Gaikwad & Anil Yedage	Special Training in GIS	IMMO Information Technologies Pvt. Ltd., Mercas, Panaji	4 months	Rs.1,20,000.00
Nandkumar Sawant, Sanjay Gaikwad, Uma Masur, Deepak Kumbhar	Preparation of People's Biodiversity Registers (PBR), Curtorim	Goa State Biodiversity Board, Saligao, Bardez, Goa	2017-18	Rs. 70,000.00
Nandkumar N. Sawant & Deepak Kumbhar	Maps and Overlays of Bondwol Lake	Goa State Biodiversity Board, Saligao, Bardez, Goa	2017-18	Rs. 14,800.00
Castor Godinho Wendham Gray	Make over by Esha	Individual	25 days	Rs. 6,700.00

Castor Godinho Wendham Gray	Salgaocar Engineers website development	Salgaocar Engineers	65 days	Rs. 61,000.00
Castor Godinho Wendham Gray	GreeNetwork website development	Individual	15 days	Rs. 8,500.00
Shubhajit Datta	Design Work	Goa Institute of Public Administration and Rural Development	1 week	Rs. 27,000.00
Shubhajit Datta	Design Work	Shri Jai Enterprises	1 week	Rs. 29,400.00

Conferences/Workshops Organized:

State Level: 03

National Level: 05

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	04	03	13	20
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Research papers In Edited Books	--	04	02	06
III. Books	--	02	01	03
	International	National	Local	
IV. Research papers in Conference Proceedings	03	01	03	07
Total	07	10	19	36

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
01	22	11

Invited Lectures given by the Faculty:

Abroad	Within India	Within Goa
-	9	30

No. of teachers who obtained research degree during the year:
Ph.D.:04

No. of teachers pursuing research degree: 10

Awards:

Name of the faculty member	Title of the Award	Name of Agency/ Institution sponsoring the award, Date of award
Dr. Nandkumar N. Sawant	Best teacher Award	Directorate of Higher Education, Government of Goa, Porvorim -- September 2017
Shri H. S. S Nadkarni	Nation Builder Award	Rotary Club of Margao through India Literacy Mission — September 2017
Shri S. S. Adsul	Unni Maharashtra Sahitya Puraskar	Aurangabad Literary Association, Aurangabad, - March 2018
Shri S. S. Adsui	Deep Sthambh Puraskar	Goa Government Marathi Academy, Panaji, Goa - May 2018

Sports Achievements:

Level of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter Collegiate	9	5	4	3	1	2	24
State	1	4	1	2	1	1	10
National	-	1	1	12	1	1	16
Total	10	10	6	17	3	4	50

Details of the top 5 Sports Achievements:

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
Agnelo Peixoto	Track & Field	West Zone Track and Field Championship September 2017	All India Athletics Federation	2 nd
Correia E. Verma Neha Ashwariya	Board Sailing	National Board Sailing Championship May 2017	Board Sailing Association of India	3 rd

Any other Special Achievements of faculty and students:

1. Dr. Nandkumar N. Sawant, Principal, was one of the six Indian scholars, selected under Bilateral agreement of Indian Council of Social Science Research - ICSSR (India) and National Research Council Thailand- NRCT (Thailand) to undertake research project "Effects of International Tourism Related Activities on the Social Economic Life of the Adjoining Rural Hinterlands: A Comparative Study of Goa (India) and Chonburi (Thailand) in the Globalized Era", from 14" to 27" March, 2018.
2. Dr. Hanumant C. Chopdekar has been appointed as a Jury Member by K. K. Birla Foundation for selection process of National Literary Award 'Saraswati Sanman' for the period of three years (2018 — 2020).
3. Dr. Hanumant C. Chopdekar has been appointed as a Member of Advisory Board for Konkani in Sahitya Academy, New Delhi, for four years (2018 — 2022).

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/ 9822152294

Email: xavierscollege1963@gmail.com

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".

The NAAC accreditation status:

Whether accredited : Yes

Score and Grade : 'A' Grade (3.36)

Round of accreditation: 3rd round

Courses offered and sanctioned strength:

- B. A. – sanctioned-780; filled-725,
- B. Sc.- sanctioned-540; filled-792,
- B. Com. - sanctioned-720; filled-731,
- B. C. A.– sanctioned-120; filled-125,
- B. B. A. - sanctioned-90+10%; filled-108,
- B. B. A. (T&T) - sanctioned-90; filled-90,
- B. A. (Mass Communication) – sanctioned-75+10; filled-89,

- B. A. Journalism – sanctioned-75; filled-71,
- B. Sc. Biotechnology – sanctioned-90; filled-75,
- M. A. – sanctioned-60; filled-62,
- M.Com. – sanctioned-100; filled-65,
- M. Sc. – sanctioned-40; filled-27.

Faculty Strength: 92

Achievements of the College:

- College has bagged 16 Ranks out of 30 Ranks at the University level.
(In particular, 8 Ranks out of 10 Ranks at the Commerce Stream).
- National: Ranked among Top 10 Users for using NLIST E-Resources among 3500 Colleges across India.
- State: Best Library Award by Directorate of Art & Culture Department, Government of Goa.
- Best Sports College Award (for Men), Sports Journalist Association of Goa (SJAG), Best College (Men Section) by Goa University.
- Highest number of students enrolled by the College in the whole State of Goa.

Conference/Workshops organized:

State Level: **10**

National Level: **05**

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
II. Research papers in Journals	03	--	12	15
	Foreign Publisher	Indian Publisher	Local Publisher	
III. Research papers In Edited Books	--	03	--	03
	International	National	Local	
IV. Research papers in conference proceedings	--	01	--	01
Total	03	04	12	19

Papers presented in Conferences/ Seminars/Workshops:

Abroad: **NIL** Within India: **08** Within Goa: **19**

Invited Lectures given by the faculty:

Abroad: **01** Within India: **NIL** Within Goa: **NIL**

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

Ph.D.: **04**

No. of teachers who are pursuing Research Degree:

Ph.D.: **11**

Awards:

Name of the faculty member	Title of the Award	Name of Agency/Institution sponsoring the award. (Only recognized and reputed agencies)
Dr. Maria A.A.R. Fonseca	Fellow of IAAT	Indian Association for Angiosperm Taxonomy 12 th November, 2017

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First place	Se- cond Place	Third Place	First Place	Se- cond Place	Third Place	
Inter-collegiate	-	02	03	01	07	-	13
State	-	-	-	02	-	-	02
Total	-	02	03	03	07	-	15

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

Sponsored Research Projects sanctioned, Ongoing and Completed during June 2016 and May 2017

Sr. No.	Name of the Investigator	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

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

The NAAC accreditation status:

Whether accredited : Yes

Score and Grade : reaccruited with 'A' Grade

Round of accreditation: 3rd cycle

Courses offered and sanctioned strength:

B.A., B.Sc., and B.Com, M.A. in Counseling Psychology, M.Com. , M.Sc in Food Technology

Under-Graduate: sanctioned-800; filled-756,

Post-Graduate: sanctioned-70; filled-61.

Faculty Strength: 38

Achievements of the College:

- Re-Accredited by NAAC with 'A' Grade (3rd Cycle)
- Centre for conducting on line examinations
- 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 the Investigator	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 /-	Completed on 30/06/2018
2.	Dr. Puja P. Sakhalkar	Investigation on Celluloses and Ligninases producing fungi in the forest of Goa	17.4.2015 3 yrs	DST Government of India	25,70,736 /-	Completed on 31/03/2018

Conference/Workshop organized:National level: **01**State level: **NIL**International level: **02****Publications:**

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
II. Research papers in Journals	01	--	--	01
	Foreign Publisher	Indian Publisher	Local Publisher	
III. Books	--	--	01	01
Total	01	--	01	02

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
-	06	03

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
-	02	05

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

Ph.D.: 01

No. of Teachers pursuing research degree:

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	-	-	21	-	-	22
Inter-University	-	-	-	04	-	-	04
Total	01	-	-	25	-	-	26

Details of the Sports Achievements of National and International level:

Name of the Student/captain of the team	Name of the event in which participated (sports/games)	Name of the Tournaments/ sports event with date	Name of the Organizer	Place won
i) JolitaBraganca ii) Linda Calado	Special Olympics Bharat Regional Unified 5 a side Football Female event	Unified 5 A Side Football 24 th to 27 th November, 2017	Special Olympics Bharat-Goa	
i) Calado Linda ii) Tavares Alisha iii) FernandesVelanie iv) D'Souza Vailanka v) Costa Karen	Senior Women's National Football Championship, Cuttack, Odisha	Football 28/01/2018 to 14/02/2018	All India Football Federation	
Fernandes Jesida	68 th Senior National Basketball Championship	Basketball 17 th to 24 th January, 2018	Basketball Federation of India	
Gomes Janice	28 th Senior National Sepaktakraw Championship	National Sepaktakraw Championship 03/02/2018 to 07/02/2018	Goa Sepaktakraw Association	
Diniz Danita	Athletics	52 nd National Cross Country Championship 14/01/2018		

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: Yes

Score and Grade: 'B' Grade (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 – 420; Filled -390,
- B.Com. - Sanctioned –787; Filled -787,
- BBA - Sanctioned -120; Filled -128,
- BCA - Sanctioned -240; Filled -142,
- BBA in Shipping & Logistics (First & Second Year Students) - Sanctioned -90; Filled -56.

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,
- M.A. – Sanctioned – 30; Filled – 07.

Faculty strength: 39.

Achievements of the College:

- Semester VI Results April, 2018

B.A.	85%
B.Com.	79%
B.B.A.	100%
B.B.A. (Shipping & Logistics)	100%
B.C.A.	85%
M.Com	100%

- MES College has been ranked 71st among the top 100 Arts Colleges in India by India Today MDRA Survey 2017-18.
- Our College has introduced post graduation course of M.A in English.
- An outstanding NSS Volunteer Mr Arvind Sharma got selected for the National Integration Camp 'Ek Bahrat Shreshtha Bharat' at Jharkhand.
- Mast Suraj Bind represented India at 36th Galaxy Entertainment Marathon International De Macau held at Macau.
- Ms Latisha Khedekar, Ms Valerie Afonso and Ms Nimisha Shetye won gold medal at National Zonal Rugby 15S Championship.
- SUO Singh Akash and Cadet Prashod R. participated and represented Karnataka and Goa Directorate in the Republic Day Camp 2018 held at New Delhi. They were felicitated at the hands of Honourable Governor of Goa

Conferences/Workshops Organized:

State Level: 04

National Level: 03

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
1.Research papers in Journals	-	17	17	34
	Foreign Publisher	Indian Publisher	Local Publisher	
2.Books/Edited Books	01	01	-	02

a)Research papers In Edited Books	04	04	02	10
b) Books	01	01	-	02
	International	National	Local	
3.Research papers in Conference Proceedings	01	01	-	02
Total	07	24	19	50

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
-	18	16

No. of Teachers pursuing research degree:

Ph.D.: 15

Sports Achievements:

Levels of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	-	-	-	-	-	-	-
State	12	06	14	-	03	06	41
National	01	-	01	02	-	-	04
Total	13	06	15	02	03	06	45

Details of the top 5 Sports Achievements:

Name of the student/ captain of the team	Name of the event in which participated (sports/games)	Name of the Tournament/sport s event with date	Name of the organizer	Place won 1st/2ⁿd/3rd
Mr Niraj Bhushan	Taekwondo	Kukkiwon Cup	India Dojang Sports Org.	
Mr. Suraj Bind	Marathon	36 TH Galaxy Entertainment Marathona International de Macau	Macau	
Mr Kashyap Bakhale	Cricket	C.K.NAIDU Trophy	BCCI	
Mr Dheeraj Yadav	Cricket	C.K. Naidu Trophy	BCCI	
Ms Kefira Rodrigues	Table Tennis	79 th Junior and Youth National T.T Championship	Tennis Federation of India	

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

Year of Establishment: 1973

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

Principal's Details:

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

Contact No: (0832) 2722501, 2722500, 2722511

Email: principal.sdcc@vvm.edu.in

College Website: www.damodarcollege.edu.in

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: 'B' Grade with 2.81 CGPA

Round of accreditation: 3rd cycle

Courses offered, sanctioned and filled strength:

- **B.Com.-** sanctioned- 730; filled-727
- **B.C.A. –** sanctioned- 240; filled-195
- **B.B.A-F.S. -** sanctioned-240,, filled-217
- **M.Com. –** sanctioned- 80; filled-64.

Faculty Strength: 21

No. of Candidates registered for Ph.D. under the Research Center:

- Commerce: **09**
- Economics: **02**
- Management: **04**

Achievements of the College:

The College won the Goa University Award for the Best Sports College (Men) for 2017-18.

Conferences / Workshops Organized by the College:

State level : 01

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
V. Research papers in Journals	--	20	--	20

	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books	--	--	4	4
Total	--	20	4	24

Papers presented in Conferences/Seminars/Workshops:

Within India: 12 Within Goa: NIL

Invited Lectures given by the faculty:

Within India: 05

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

Ph. D.: 02

No. of Teachers pursuing research degree:

Ph.D.: 06

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
State	4	3	4	--	--	--	11
National	1	1	1	--	--	--	03
Total	9	6	9	3	2	-	29

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-120; filled-98;
- B. Sc.(Computer Science)-; sanctioned--20; filled -20;
- B. Sc.(Electronics)-; sanctioned-20; filled -20;
- B. Sc.(Chemistry) - sanctioned-60; filled -55;
- B. Com.- sanctioned-300; filled -285;
- B. B. A. - sanctioned-60; filled -52;
- B. C. A.- sanctioned-60; filled -55;
- M. Com. - sanctioned-50; filled -19;
- M. Sc. (Pharm. Chem.) – sanctioned-30; filled -19;
- M.Sc. (Organic Chemistry) – sanctioned-30; filled-08;
- Ph. D. Commerce - sanctioned-11; filled-11;
- Ph. D. Chemistry- sanctioned-02; filled-02.

Faculty strength: 55.

Achievements of the College:

- The college has been selected under ‘Unnat Bharat Abhiyan’ and is ranked among the top 338 Higher Educational Institutes in the country which are selected under this initiative of the MHRD, Government of India.
- College is Ranked 79 among the 100 Best Commerce Colleges in India by India Today Survey.
- BBA Course is ranked 33rd among Management Colleges of India by Times of India.
- Selected under DST-FIST Program by Department of Science and Technology, Government of India.
- College girl’s Cricket Team won the Inter Collegiate Cricket Tournament organized by Goa University for the second consecutive year.
- College won the ‘Students Parliament Competition 2018’ for third consecutive year.

Sponsored Research Projects sanctioned, ongoing and completed during June 2017 and May 2018.

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	‘Developing a Molecule’	21 Dec, 2013	Centaur Pharmaceuticals	10	Sanctioned and Ongoing

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

Name of faculty member	Name of consultancy	Name of the sponsor	Duration of consultancy	Amount (in Rs.)
Mr. Shripad Merchant	Verification of legal reports published on the basis of court judgments	Times of India	Yearly	2.04 Lakhs

Conferences/Seminars/Workshops organized:

State level : 06

National level : NIL

Publications:

Publications	International	Indian	Total
Research papers in Journals	38	09	47
Research papers in Conference Proceedings	08	09	17
Total	46	18	64

Papers presented in Conferences/Seminars/Workshops :

Abroad	Within India	Within Goa
NIL	12	16

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

Ph.D.: 05

Awards/Honours :

Name of the faculty member	Title of the Awards/Honours	Name of Agency/Institution sponsoring the award.
Ms. Prashanti Talpankar	'SAHITYA AKADEMI AWARD' for Translation of Shashi Deshpande's Novel "THAT LONG SILENCE" into Konkani "Dirgh Moun Tye".	SAHITYA AKADEMI
Dr. Vidya Desai	Research Award in Chemistry for the year 2017-2018.	CDFAA, Goa University
Dr. Atchut Pednekar	'Best Research Paper' on "Beta Adjusted Real Returns of Indian Acquirers: A Long Term Perspective"	Association for Business Education and Entrepreneurship Development (ABEED)
Dr. Prashant Kadam	Best Paper Award - "Human Capital and Competitiveness of its Firms"	ASAR International Conference Bengaluru

Ms. Amrita Rudreshwar Natekar	Best Poster Award and First Place on the theme "Skilling Pharmacists for Global Healthcare Challenges".	53 rd HPA Annual International Conference in association with Ponda Education Society's Rajaram and Tarabai Bandekar College of Pharmacy
Dr. M. Shanthi	Best Participant and Best Paper Award at International Seminar, on Recreating Spaces in Language, Culture and Gender issues	Andhra University, Vishakapatnam
Mr. Chandru Govekar	Best Script Writer and the First Place, for the "Best Director" for the Konkani One Act Play	Kala Academy, Goa.
Mr. Subhash Kamalkar	Best Script Writer and the Third Place for the "Best Director" for the English One Act Play	Kala Academy, Goa.
Mr. Shripad Merchant	Best Co-ordinator for third consecutive year for 'Students Parliament Competition 2018'	Goa Legislature Secretariat

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	4	5	1	3	--	14
State	4	--	2	--	2	1	9
Inter-University	--	--	--	--	--	1	1
National	1	--	2	2	1	--	6
International	--	1	--	--	--	--	1
Total	6	5	9	3	6	2	31

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 Organiser	Place won 1 st /2 nd /3 rd
OOD MIQMAT JAHAR	Taekwond	14 th South & West International Taekwondo Championship,	Goa Taekwondo Association	I

		Miramar		
Suraj Singh	Boxing	Youth Boxing West Zone Competition	Goa Boxing Association	III
Rakshanda Pilankar	Cricket	Senior Women Cricket Nationals	BCCI	Winners
Sugandha Ghadi	Cricket	Senior Women Cricket Nationals	BCCI	Winners
Saifur Mandal	Athletics	West Zone Athletics	Nagpur Athletics Association, Maharashtra	III

Any other Special Achievements of faculty and students:

- Ms. Rakshanda Pilankar and Ms. Sugandha Ghadi are members of the Goa Senior Women's Cricket Team.
- Ms. Sugandha Ghadi and Manashree Chari are members of the Goa U-19 Women's Cricket Team.
- Mr. Shubham Jha is a member of Goa U-23 Cricket Team.
- Mr. Suraj Singh has been selected to represent India Boxing Team at the South West Asian Tournament.
- Mr. OOD MIQMAT JAHAR represented India at the Asian Taekwondo Tournament held in Nepal.

Any other Special Achievements of faculty and students:

- Senior Under Officer Ketan Vedapati attended the Army unit camp at Indian Military Academy at Dehradun for 10 days.
- Cadets Prajot Salgaonkar, Yash Naik, Raghuraj Punekar, Ajay Til Naik and Saurabh Bhosle attended the Basic Leadership camp at Mysuru (Karnataka) at NCC Directorate level in June.
- Cadets Rashmi Sawant, Harishankar Khushwah, Dadapir Sovnur, Shivani Chari, Ravina Shetkar, Shaikh Ajmer attended the Thal sena camp at Belgavi in July.
- Cadets Ajay Tilnaik, Aditya Komti, Naveen Singram, Raghuraj Punekar, Bhagyashri Naik, Shivani Chari, Renuka Patil, Rashmi Sawant, Ravina Shetkar, Sejal Mardolkar attended the Group Republic Day Camp (selection) - 1st Gadag (Karnataka) in September and October 2017.
- Cadets Prajot Salgaonkar, Dadapir Sovnur, Siddhi Chavan and Shefali Chodankar attended the National Integration camp at Bharatpur for 12 days. The cadets won two Gold medals in volleyball and one Silver medal in group song competitions.
- A Combined Annual Training Camp was held at Parye Sattari. Our cadets attended the camp and won first place in Firing competition, second place in Solo song competition and second place in Group dance competition.
- Cadets Niriksha Hegde, Sejal Mardolkar, Rashmi Sawant attended the NCC Inter group competition which was held at Mysuru Karnataka in November, 2017.
- Sejal Mardolkar attended Republic Day Parade (Selection) at Bengaluru and represented Goa State at the Republic Day Parade at New Delhi on 26th January, 2018.

- NC-I Ankit Kumar Singh, NC-I Jayprakash Jankar, NC-I Alvyn Abranches and NC-I Firman Azavedo attended the Pre-Nausainik Camp Phase-I from 20th-29th August, 2017 at Bangalore Karnataka.
- NC-I Ankit Kumar Singh and NC-I Jayprakash Jankar, attended Pre-Nausainik Camp Phase-II from 6th to 15th September 2017 at Udupi, Karnataka.
- NC-I Jayprakash Jankar and NC-I Ankit Kumar Singh represented Karnataka and Goa directorate at All India Nausainik Camp 2017 held at INS Kadamba, Karwar.
- NC-II Saish Chari, Leading Cadet Furquan Haque, Placida Mani, Unnati Saptoji,
- NC-I Ankit Kumar Singh, Jayprakash Jankar, Dipesh Pednekar, Prachi Jaidev Naik, Sukanya Raut, Leela Porobo Gauncar and Prachi Prakash Gaonkar attended Group RDC –I from 22 September, 2017 to 1st October, 2017 at Gadag.
- Leading Cadet Placida Mani, Unnati Saptoji, NC-I Ankit Kumar Singh, Leela Porobo Gauncar and Prachi Prakash Gaonkar were selected to attend Group RDC –II from 8th to 17th October, 2017 at Dharwad.
- Leading Cadet Placida Mani, Unnati Saptoji, NC-I Leela Porobo Gauncar Prachi Prakash Gaonkar and P.O Cadet Manjita Shet were selected to attend Group RDC –III from 30th October to 8 November, 2017 at Belgavi.
- Leading Cadet Placida Mani, Unnati Saptoji, NC-I Leela Porobo Gauncar Prachi Prakash Gaonkar were selected to attend IGC from 9th to 18 November, 2017 at Mysuru.
- Leading Cadet Unnati Saptoji and NC-I Prachi Prakash Gaonkar were selected to attend Pre-RDC-I from 24th November to 3rd December, 2017 at Bengaluru.
- NC-I Alvyn Abranches were selected to attend RDC-18 Ship Modelling Camp from 24th November to 3rd December, 2017 at Bengaluru.
- NC-I Ankit Kumar Singh, NC-I Alvyn Abranches, NC-I Soham Govekar and NC-I Rahul Korgaonkar attended National Integration Camp-II from 12th to 23rd December, 2017 at Moodbidri –Karnataka.
- P.O. Cadet Manjita Shet attended S.W. Girls camp from 9th to 20th January, 2018 at INA Ezhimala- Kerala.
- NC-I Saish Chari attended Sea Sailing Camp at Bangalore.
- Mr. Saifur Mondal represented Goa State at West Zone Athletics Championship held at Nagpur, Maharashtra and won the Bronze Medal in 100 mts event, he also won the Gold Medal in Athletics 100 mtrs event at Open State Level Athletics Competition held at Bambolim Athletic Stadium.
- In Boxing, Mr. Suraj Singh of S.Y.B.Com participated as a member in Youth Boxing West Zone Competition and won the Bronze medal. He also won the gold medal at State Boxing Championship with Best Boxer Trophy. He also participated in invitational boxing match between Goa team and 96 Army Regiment Hyderabad and won the Silver Medal. He was selected to participate in National Boxing Championship as a member of Goa team at Hyderabad on 26th December, 2017.
- Ms. Anju Raj Bahar of S.Y.B.Com won the Gold Medal at State Boxing Championship alongwith Best Boxer Trophy. She was selected to participate in National Boxing Championship at Harayana in January, 2018.
- Mr. Rahul Prajapatti won the Silver medal and Mr. Sudharshan Singh of T.Y.B.Com won the Bronze Medal respectively.
- In Taekwondo, Mr. Ood Hiqmat Jahar of F.Y.B.B.A. was selected to represent Goa at the National Taekwondo Championship, held in Jaipur from 28th to

30th December, 2017. He also represented Goa at the 14th South and West Invitational Taekwondo Championship and won the Gold Medal.

- In Shooting, Mr. Jayaprakash Sitaram Jankar of S.Y.B.Sc participated in National Rifle Shooting Championship which was held at Trivendrum, Kerala.
- Ms. Vedika Gajanand Falari of F.Y.B.A participated in 27th All India G.V. Mavalankar Pistol Shooting Championship held at Mumbai from 14th to 26th September, 2017, she was selected to represent Goa Team in 61st National Shooting Championship at Thiruvananthapuram, Kerala from 11th to 31st December, 2017.
- Mr. Prasenjit Parsekar of S.Y.B.Com participated in the National Rifle Shooting Championship held at Delhi from 24th July to 1st August, 2017, he also participated in Rifle Shooting (10 mts peep sight) National Championship organised by Indu Shree organization.
- In Cricket, Ms. Rakshanda Pilankar of T.Y.B.Com & Ms. Sughandha Ghadi of F.Y.B.Com are currently members of Goa Senior Woman Cricket team which participated in various National level tournaments.
- Ms. Sughandha Ghadi of F.Y.B.Com & Ms. Mansee Chari of F.Y.B.Com participated in U-19 National Cricket Championship from Goa State held at Guntur Andhra Pradesh.
- Mr. Shubham Jha of S.Y.B.CA was selected to attend the G.C.A. U-23 Cricket Camp.
- In Football Mr. Manish Malik and Mr. Shekar Naik both of F.Y.B.Com participated in 13th All India Mini Football Championship held at Bidar Karnataka.
- Mr. Ganesh Pujar of S.Y.B.Com was selected in the Goa University football team which participated in the All India Inter-University Football tournament.
- In Badminton Mr. Karan Dhavaskar of M.Sc. Part II participated through Goa Badminton Association in the Inter-State West Zone Badminton Championship at Vadodara, Gujarat
- In Karate, Ms. Siddhi G. Gawade of S.Y.B.A. won the Gold Medal in Kumite U-21 years girls TKAG State Karate Championship 2017, organised by Traditional Karate Association.
- In WUSHU, Ms. Chaitali D. Kandolkar of T.Y.B.Com won the Gold Medal in 1st Open State Level WUSHU Championship 2017.
- Ms. Rakshandha Pilankar, Ms. Shreya Parab and Ms. Sughandha Ghadi played in Under- 23 Cricket Women Tournament at Mumbai.
- Mr. Suraj Singh of S.Y.B.Com. may be selected to represent the Indian Boxing team at South West Asian tournament to be held in May, 2018. He will be training at Shiv Chatrapati Stadium, Pune, for the said tournament.
- Mr. Sudarshan Singh of T. Y. B. Com and Ms. Anju Raj Bahar of S. Y. B. Come won the state level championship in Boxing.
- BCA Students Runners – Up at ‘Genesis’ 2018 at MES College, 27th March, 2018.
- Mast. Devanna Rathod, Miss Ameya Amonkar and Miss. Rekha Lamani (FYBA-A) for getting II place as “BEST RESEARCH PAPER” at “ENVISAGE 2018” National Conference on START-Ups-Innovation to Reality 9from Ideas to Markets), organized by R.D.S.H. National College & S.W.A. Science College, Mumbai guided by Dr. Prashant V. Kadam.

- Article of Ms. Nikita Mangeshkar published in 'The Navhind Times' on 22/03/2018 on the Occasion of 'World Water Day'.
- Our Girl Cricketers were at Runners-Up Position and Men were at 3rd Position at All Goa Tennis Ball Cricket Tournament for College Men and Women on 14th February, 2018 at Campal Ground organized by Tennis Ball Girls Tournament Sports Authority of Goa.
- Our college won the 'Students Parliament Competition 2018' for third consecutive year. The following prizes were awarded to:
 - Best Speaker Award – Ms. Shivani Alvi
 - Best Opposition Leader – Mr. Nehal Desai
 - Best Parliamentarian – Ms. Akshata Govekar
 - Best Co-ordinator – Mr. Shripad Merchant
- Miss Pruela Francis, TYBBA was awarded GMA Best Management Student Award 2017.
- Edil Clinton. First place in the Inter-Collegiate Election competition conducted by Department of History-Rosary College-Navelim.
- Miss Rekha Lamani (FYBA) presented a research paper titled "Women Entrepreneurship – A need for a Holistic Approach" and Miss Sunita Gurav (FYBA) presented a Research paper titled "Startups – A Roadmap for Entrepreneurship Amidst Challenges", at National conference on "Deliberating Entrepreneurship Development in a Liberalized, Privatized and Globalizes India, on 16th September, 2017.
- Mr. Gajanan Haldankar, M.Com. Part – II for Clearing NET Examination.
- The college organized 'Grand Alumni Meet-2018' in association with the Alumni Association on 07th April, 2018, around 450 alumni from 1974 to 2017 attended the meet.
- Dr. M. Shanthi, Associate Professor and Head, Department of English was awarded with Winner's Trophy at Club Level Table Topics Contest by ICG /club Toastmasters, Goa, held at International Centre, Goa on 14th April, 2018.
- Dr. M. Shanthi, Associate Professor and Head, Department of English was awarded with Runner's Trophy at Area Level Table Topics Contest by Toastmasters, Goa, held at Macquinox Palace, Goa on 29th April, 2018.

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.: 9822127625

Email: pmbhende@gmail.com

College website: www.gvmcommercecollege.ac.in

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”.

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: ‘B’ Grade (2.70)

Round of accreditation: 2nd Cycle

Courses offered, sanctioned & filled strength:

B.Com. - sanctioned -720; filled - 616

B.C.A. (self-financed) – sanctioned -120; filled - 89

M.Com. (self-financed) - sanctioned -80; filled - 41

Faculty strength: 21

Conferences/workshops organized:

State Level : 01

Publications :

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
Research papers in Journals	--	03	--	03
	Foreign Publisher	Indian Publisher	Local Publisher	
Research papers In Edited Books	--	--	02	02
	International	National	Local	
Research papers in Conference Proceedings	-	-	01	01
Total	--	03	03	06

Papers presented in Conferences/Seminars/Workshops:

Abroad: **NIL**

Within India: **NIL**

Within Goa: **08**

Invited Lectures given by the faculty:

Abroad: **NIL**

Within India: **02**

Within Goa: **NIL**

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

Ph.D.: 01

No. of teachers pursuing research degree:

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	03	--	03	01	--	--	07
State	--	--	--	04	--	--	04
National	-	-	-	02	--	02	04
Total	03	--	03	07	--	02	15

Details of the top 5 Sports Achievements at National and International Level:

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
Miss. Anar Singbal	Badminton	West Zone @Vadodara 21 – 25 Aug.2017	Badminton Association	3 rd
Miss. Vedita Naik	Tennis Ball Cricket	All India @ Tamilnadu 15 – 22 March 2018	Tennis Ball Cricket Association	1 st
Miss. Nikita Gaude	Softball	Senior National @ Kerala October 2017	Soft ball Association	3 rd
Miss. Vijeta Naik	Tennis Ball Cricket	International All India Tennis Ball Cricket June 2017	Tennis Ball Cricket Association	1 st

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: www.pesrsncollege.in

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.

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: B Grade with 2.77 CGPA

Courses offered, sanctioned and filled strength:

- B. A.- sanctioned-180+10%; filled-197
- B.Sc.- sanctioned-240+10%; filled-239
- M.Sc. – sanctioned-30; filled-30

Any new course(s) started: 8

Faculty strength: 92

Sponsored Research Projects sanctioned between June 2017 and May 2018.

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction & Duration	Funding Agencies	Amount (Rs. In lakhs)	Specify whether sanctioned / completed
1	Dr. Sunita Borkar (PI), Dr. Rasika Gaokar (Co-PI) & Dr.Neha Prabhu (Co-PI)	Investigation on alkaliphilic and halophilic bacteria from coastal ecosystem of Goa as producers of plant growth regulators.	20 Sept 2017	Director of Higher Education , Goa	5	Ongoing
2	Dr. Flory Pereira(PI), Dr. Teja Savoikar(Co-PI) and Mr. Anchit parkar (co-PI)	Screening for plastic associated microorganism showing potential for plastic degradation.	20 Sept 2017	Director of Higher Education , Goa	5	Ongoing

Conferences/ Wokshops organize:
State level – 02

Publications:

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized		Total
I. Research papers in Journals	01	13	07	21
	02	Indian Publisher		02
II. Books/Edited Books	No.	02	No.	02
(a) Research papers In Edited Books		01	06	07
(b) Books		Nos. only	Nos. only	
	International	National	01	01
III. Research papers in Conference Proceedings	03	04	01	08
Total	06	20	15	41

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
1	14	05

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
-	03	28

Awards:

Name of the faculty member	Title of the Award	Name of Agency/ Institution sponsoring the award (Only recognised and reputed agencies), Date of award
Dr. Flory Pereira	Certificate of special appreciation for recommissioning of biogas plant at GSL canteen.	Goa Shipyard limited on 15/08/2017

Sports Achievements of Students:

Levels of Competition	Individual Event			Team Event			
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	Total
Inter-collegiate	--	01	--	--	--	--	01
Total		01					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 faster 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.-290,
- B.COM. - 251

Faculty strength: 19**Achievements of the College:**

Result: T.Y.B.A. 77.33 %

T.Y.B.COM. 62.22 %

Conferences/workshops organized:

National Level : 01 (Seminar)

Publications:

Publications	Cat - I	Cat- II	Cat -III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
VI. Research papers in journals	----	01	01	02
	Foreign Publisher	Indian Publisher	Local Publisher	
VII. Books	----	----	01	01
Total	----	01	02	03

Paper presented in Conferences/Seminars/workshops:

Abroad	Within India	Within Goa
---	18	---

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
---	07	---

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	--	--	01	01	02	--	04
Total	--	--	01	01	02	--	04

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: gcascs@gmail.in**College Website:** www.gcascs.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/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
Ashish Parab	Volleyball			
Sagar Sawan	Kabaddi	43 rd Junior National Kabaddi Championship 21 st Dec -25 th Dec 2016	Gujarat State Kabaddi Association	
Vanita Bhandari	Cricket	Under 19 Goa	BCCI South	

		State	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

Contact No.: 2227603, 2425254

Email: principalgchs@rediffmail.com

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: 60; **Filled strength:** 50

Faculty strength: 6

• **CONSULTATION/PROJECTS UNDERTAKEN:**

NESTLE HEALTHY KIDS PROGRAMME: Goa College of Home Science hassigned an MOU 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. Through this programme, students from various schools in Goa are made aware about importance of healthy eating habits and physical activity in their lives. This academic year, a total of 31 schools across Goa were covered under the program and the program reached out to a total of 5029 students this year.

TRAINING PROGRAMMES IN COLLABORATION WITH GIPARD: Goa Institute of Public Administration and Rural Development (GIPARD) and Goa College of Home Science have signed a MOU for organizing various training programmes. Accordingly, training programmes on “Malnutrition, Anemia and Alcoholism” were organized for the ICDS beneficiaries of Tiswadi taluka on various occasions during 2017-18. The objective was to create awareness on the vital issues of nutritional deficiency and its prevention and

management. Training programmes were held on 4th and 8th August 2017, 6th and 7th September 2017, and 1st December 2017. A total of 180 ICDS functionaries attended the training programmes. The topics deliberated included Nutrition for healthy living, Consequences of Malnutrition and its management, Causes and Prevention of Nutritional Anemia, Effects of Alcoholism and its Treatment and Prevention.

HANDLOOM WEAVING CENTRE: The Handloom Weaving and Training Centre at the Goa College of Home Science was set up under the patronage of Wendell Rodricks, Fashion Designer of International Repute, in 2012, with the objective of reviving Kunbi articles. One of the objectives of the Handloom Weaving and Training Centre is to work in collaboration with other Institutions established for the development of handloom Textile and fashion industry. In keeping with this objective, we tied up with KAITHARI SPOORTHY GROUP for sourcing revived saree and two varieties of authenticated Kunbi saree. Associated piece works such as hand bobbin winding, hand pirn winding and hand warping works were finalized from Interior Karnataka. The whole project of weaving Kunbi sarees in association with Kaithari was undertaken with the aim of popularizing the Goan Kunbi saree.

- **NEW INITIATIVES**

COURSE IN COSMETOLOGY: A 15 day Certificate Course in Cosmetology was organized by Goa College of Home Science - Campal, Panaji from 15th January to 7th February 2018. The course instructor was Hairstylist and Makeup Artist Iona Lopes. During the 30 hour course duration, content like basic haircuts, temporary perming, hair color, head massage, makeup, facials, manicure/ pedicure, personal hygiene, customer care, selling skills and client communications were taught to the participants. The participants were awarded certificates on successful completion of the course.

WINE MAKING WORKSHOP: The Women's Wing of Goa Chamber of Commerce and Industry took an initiative of organizing a wine making workshop in collaboration with the Goa College of Home Science, with an aim of nurturing ones skill and to encourage entrepreneurship. Prof. Arina Frank from St. Xaviers College was the resource person. She demonstrated how to make wine from Black Currant, green grapes and Amla.

Conferences/Workshops organized:

State Level: 02

National Level: 01

International Level: 01

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	-	-	02	02
	Foreign Publisher	Indian Publisher	Local Publisher	
VIII. Research papers In Edited Books	-	-	02	02
	International	National	Local	
III. Research papers in Conference Proceedings	-	-	01	01
Total	--	--	05	05

Papers presented in Conferences / Seminars / Workshops:-

Abroad	Within India	Within Goa
--	03	01

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
--	01	03

No. of Teachers pursuing research degree:

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. Daisy John, Associate Professor	1. Bharat Vidya Ratan Award 2. Arch of International Education Excellence Award	1. Indian Solidarity Council, New Delhi on 28 th August 2018. 2. International Seminar on Individual Contribution for International Integration and World Peace, on 24 th November 2018.

5.14 Government College of Arts, Science & Commerce, Khandola

Year of Establishment: June 1989.

College Address: Khandola, Marcela-Goa.

Principal's details:

Name: Dr.Purnakala V.Samant

Contact No.: 9326142001

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.

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: 'A' Grade with 3.01 CGPA

Accreditation round: 2nd cycle

Courses offered, sanctioned and filled strength:

- B. A. – Sanctioned-60; filled-129,
- B.Sc. -Sanctioned-80; filled-99,
- B. Com. -Sanctioned-120; filled-131,
- M.Sc. –sanctioned-20; filled-15,
- M.Com. –sanctioned-40; filled-26.

Any new course(s) started:

- M.Com.
- M.Sc.

Faculty strength: 34.

Achievements of the college:

- Accreditation by the recognized agencies: NAAC, Grade 3.01
- Collaborations through MOUs with reputed institutions: SIGN MOU with GIPARD.
- Sanction of special Grants: we received funds under CSR by Sigenta Bio Sciences Ltd of Rs.18.5 Lacs.

Conferences/ Workshops Organized:-

State level: 01

National level: 01

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	10	--	--	10
Total	10	--	--	10

Papers presented in Conferences / Seminars / Workshops:-

Abroad	Within India	Within Goa
10	22	02

No. of teachers pursuing research degree:

Ph.D. – 02

Awards:

Name of the faculty member	Title of the Award	Name of Agency/ Institution sponsoring the award (Only recognised and reputed agencies), Date of award
Dr. Beena Vernekar	Best Professor in Chemistry	Devang Mehta Foundation National Education Award, 2017
Mr. Naresh Naik	Late Madhavi Sardessai Yuva Shikshak Puraskar	Parikrama , Konkani Academy ,2018

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	03	04	09	01	---	01	02
Total	03	04	09	01	----	01	02

Any other Special Achievements of faculty:Achievements of the students of the College

- Latif Khan of T.Y.B.com participated in National Youth Festival at Haryana.
- Bharathi Doddannavas of T.Y.B.com participated in National Youth Festival at Haryana and participated in National Integration camp at Bellary Karnataka.

- Kiran Hugar of S.Y.B.com participated in National Integration camp at Bellary Karnataka and participated in National Youth Festival at Noida Uttar Pradesh.
- Flora Jenice Pereira of S.Y.B.com participated in National Youth Festival at Noida Uttar Pradesh.

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. 3) Tribal Studies Centre

Conferences/Workshops Organized:

National Level:-01

Publications:

Publications	Cat-I	Cat-II	Cat-III	
	UGC Recognized (Foreign Publisher)	UGC Recognized (Indian Publisher)	ISSN/ ISBN	Total
Research papers in Journals				
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/Honours	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 Achievements at National and International Level only

Name of the student	Name of the event in which	Name of the Tournament/sports	Name of the organiser	Place won 1 st /2 nd /3 rd
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	participated (sports /games)	event with date		
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
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
Leander D'Cunha	Football Tournament	Santosh Trophy Football 15 th 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: rosarycollege.1990@gmail.com

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 Sridora Caculo College of Commerce and Management Studies, Mapusa

Year of Establishment: 1991.

College Address: Telang Nagar, Khorlim, Mapusa Goa.

Principal Details:

Name: Dr. Santosh B. Patkar

Contact No.: 9421157379/ (0832) 2250042

Email: patkar_santosh@rediffmail.com

College Website: www.saraswatbba.com / www.caculocollege.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.

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: 'B' Grade with 2.47 CGPA

Accreditation round: 1st Cycle

Courses offered and sanctioned strength:

- B.Com.-568,
- B.B.A. -164,
- B.C.A. - 72

Faculty strength: 15

Conference/workshop organized:

State level: 02

National Level: 03

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	-	1	8	9
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books	-	2	-	2
a) Research papers	-	-	1	1

In Edited Books				
	International	National	Local	
III. Research papers in Conference Proceedings	2	–	10	12
Total	2	3	19	24

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
02	27	20

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
--	--	01

No. of Teachers pursuing research degree:

Ph.D: 10

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	08	01	–	–	14
State	03	01	02	–	–	–	06
Inter-University	–	–	–	–	–	01	01
National	–	–	02	–	–	01	03
Total	05	04	12	01	--	02	24

5.18 Fr. Agnel College of Arts and Commerce, Pilar

Year of Establishment: 1991

College Address: Pilar, Goa. 403 203

Principal's Details:

Name: Dr. Fredrick Rodrigues, sfx

Contact No.: (0832)2218673

Email: fragnelcol@rediffmail.com

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.

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: 'A' Grade with 3.05 CGPA

Accreditation round: 2nd cycle

Courses offered and sanctioned strength:

- B.A.- sanctioned- 132; filled-129,
- B.Com.- sanctioned-198; filled- 196; and
- B.C.A.- sanctioned-40; filled-24.

Research Centre, If any: Yes (Commerce)

No. of Candidates, subject wise, Registered for Ph.D under the Research Center: 04

Faculty strength:-35

Achievement of the college:

- MOU with Association of Chartered Certified Accountants, London (ACCA).
- Collaboration with FATER Academy of India, Tamil Nadu.
- ISSN number for In-house Online Journal ANCHOR.

Conferences / Workshops organized:

State Level: 02

National Level: 01

International level: 01

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	--	06	15	21
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books	--	02	02	04
III. Books	--	02	02	04
	International	National	Local	
IV. Research papers in Conference Proceedings	01	--	--	01
Total	01	10	19	30

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	06	23

Invited lectures given by the faculty:

Within Goa: 03

No. of teachers pursuing research degree:

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	02	02	--	--	--	--	04
State	--	--	--	01	--	--	01
National	--	--	--	02	--	--	02
Total	02	02	--	03	--	--	07

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
Dominic Soares	Football	Darshan Cup, Belgavi	Darshan	1 st
Ronil Azavedo	Football	Reliance	Reliance	1 st

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	Foreign	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/ Workshop:

Abroad	Within India	Within Goa
-	04	07

Awards/ Honours:

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

Sports Achievements:

Level 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	Foreign	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.
--	1

Sports Achievements of Students:

Levels of Competition	Team Event						
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	Total
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

(0): 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 :

Level 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 and Economics, Borda, Margao

Year of Establishment: June, 2010

College Address: Borda, Margao, Goa-403602

Principal's Details:

Name: Dr. Gajanan V. Madiwal

Contact No: 0832-2700555 / 0832- 2706508

Email: gcc.margao@gmail.com / **gcc-borda@gov.in**

College website: www.gccem.goa.gov.in

Vision and Mission Statement:

Vision: To Nurture 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:

- B.Com.- sanctioned-120; filled-174

Faculty strength: 12

Conferences/Workshops Organized:

State level: 37

Publications:

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
I. Research papers in Journals	-	01	--	01
	International	National	Local	
II. Research papers in Conference Proceedings	-	02	02	04
Total	-	03	02	05

Papers presented in Conferences/Seminars/Workshops:

Within Goa: 01

Invited Lectures given by the faculty:

Within Goa: 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	
National	--	--	--	02	--	--	02
International	01	--	--	--	--	--	01
Total	01	--	--	02	--	--	03

Details of the top 5 Sports Achievements:

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 1st/2nd/3rd
Sanket Gawande	SQAY Martial Arts	Tri Nation SQAY Championship	SQAY Federation of Asia	1 st Place
Tejaswini Duragad	Cricket	Senior Women T20 Cricket	BCCI	1 st Place
Shindiya Naik	Cricket	Senior Women T20 Cricket	BCCI	1 st Place

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

Email: mandrecollege@yahoo.co.in

College Website: www.mandrecollege.ac.in

Courses offered, sanctioned and filled strength:

- B.Com. – sanctioned-180; filled-124

Faculty Strength: 04

Sports Achievement :

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

5.24 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: Mr. Neelesh Shashikant Morajkar, I/C. Principal

Contact No: 8329094557/9225210227

Email: morajkar_nilesh@rediffmail.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-66 ; filled-65,
- BCA - sanctioned-44 ; filled-43,
- B.Com.- sanctioned-60 ; filled-59,

Any new course(s) started: Bachelor of Commerce

Faculty strength: 15

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC recognized	ISSN	
I.Research papers in journals	04	06	09	19
	Foreign Publisher	Indian Publisher	Local Publisher	
II.Books/Edited Books	-----	-----	01	01
(a) Research papers In Edited Books	01	02	----	03
	International	National	Local	
III.Research papers in conference Proceedings	01	01	-----	02
Total	06	10	09	25

Papers presented in Conferences/Seminars/Workshops:

Within India: 28 Within Goa: 10

Invited lectures given by the faculty:

Within India: 02 Within Goa: 05

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

Ph.D.: 01

No. of teachers pursuing research:

Ph.D.: 04

Sports Achievements:

Level of Competition	Individual Event			Team Event			Total
	First Place	Second Place	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	01	01	01	---	01	02	06
National	01	--	--	--	--	--	01
Total	02	01	01	--	01	02	07

Details of the top 05 Sports Achievement 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	Place won 1st/2nd/3rd
Shanu Naik	Handball	Senior National	Handball Association of India	----
Anikesh Gawde	Rope Skipping	Rope Skipping	Rope Skipping Association of India	1 st
Neha Chari	Cricket(Women)	Inter-University	AIU	---

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.donbosco.goa.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,
- B.B.A.(Travel & Tourism)- sanctioned-33; filled-34,
- B.A.M.M.- sanctioned-33; filled-28,
- B.B.A- sanctioned-40; filled-45,
- B.S.W.- sanctioned-30; filled-10,
- B.P.Ed.- sanctioned-50; filled-49,
- M.S.W.- sanctioned-30; filled-14.

Faculty Strength: 32

Achievements of the College:

- 30th June saw the Film Club having its first screening of the film "Colours of Paradise".
- Milange the inter higher Secondary Competition was organized on 17th August for the students of different colleges around Goa. The Chief guest on this occasion was Mr Albert Fernandes, Asst. Registrar, Goa University.
- The 6th September also saw a talk on Suicide by Mr Varun Carvalho and his team to commemorate Suicide Prevention Day.
- September month also saw a cleanliness drive of Campal beach by the BBA students in collaboration with CCP, Panjim on the 16th of September. Ms. Soraya Pinto, Corporator coordinated the event.

- World Mental Health Day was observed on the 10th October. The staff and students observed this event by organizing a rally in the Panjim City by holding posters focusing on Mental Health.
- A Two day workshop on Sports Nutrition , Periodic training and Drug use/abuse was organized by the department of Physical Education on the 11th & 12th October, Dr Klaus Peter Herm, a sports scientist from Germany and Andreas Herm a Pharmacist (Sports Drugs) were the Key note speakers.
- 18th&19th December were the 2 days wherein th Don Bosco Youth shorts Film Festival took place. 32 films ranging from 2 mins to 20mins were screened at Don Bosco, Panjim. It was a Boscom South Asia Initiative.
- The Social Work Department had a National level seminar on the 28th February in collaboration with the Social Defences on Drug abuse prevention and also an intercollegiate street play.

Conferences/Workshops Organized:

State level: 02

Publications:

Publications	International	Indian	Total
Research papers in Journal	10	3	13
Research papers in Edited Books	-	0	0
Research Papers in Conferences Proceedings	2	2	4
Total	12	5	17

Papers presented in Conferences/Seminars/Workshops:

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	6	-	3	-	-	1	10
National	-	-	4	-	-	-	4
Total	6	-	7	-	-	1	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
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

Any other special Achievements of faculty and students:

- Mr Amit Kumar from the BBA department won the Mr University at Goa University for Body Building.
- Mr Saurab Raikar won the strongest Man and Mr Purnay Raikar won Iron Man at Goa University.
- Ms Menosha D'Costa won the 1st place at the All Goa Poetry Writing and Recital Competition at Institute Menezes Braganza.
- Mr Chic Da Cruz and Senalda Fernandes of BBA (T&T) won the first place at a debate competition organised by Centre for Responsible Tourism.

5.27 Goa College of Pharmacy, Panaji

Year of Establishment: 1963

College Address: 18th June Road, Panaji, Goa-403001.

Principal's Details:

Name: Dr. Gopal Krishna Rao

Contact No.: 0832-2226883.

Email: gcpprincipal@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 pharmceual, 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-65.
- M. Pharm. – Quality Assurance - Sanctioned -15; filled-15.
Pharmacology - Sanctioned -15; filled-09.
Pharmacognosy – Sanctioned -15; filled-12.

No. of Candidates, subjectwise, registered for Ph.D under the Research Center:

Ph.D. in Pharmacy: 02

Faculty strength: 33

Achievements of the College:

- Ranked 37th in the country by MHRD under National Institutional Ranking Framework (NIRF-2018).
- MoU entered into with St. Louis College of Pharmacy, USA, as a part of Student Exchange Program.
- Goa College of Pharmacy, in collaboration with GCEIP, organized the 2nd Annual International Conference on 'Intellectual Property Rights' in November, 2017, where resource persons from India and abroad deliberated.
- Entered into MoU with Pfizer (India) Ltd., a multinational pharma company, for training and projects.
- Results 2017-2018:

B.Pharm.:

Total No. of students	Distinction	First Class	Second Class	Passes
75	45	28	02	-

M.Pharm.:

Branch	Total No. of students	Distinction	First Class	Second Class
Quality Assurance	15	09	06	-
Pharmacology	09	05	04	-
Pharmacognosy	11	05	06	-

Conferences/Workshops Organized:

International level: 01

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	10	---	---	10
Total	10	---	---	10

Papers Presented in Conference/Seminars/Workshop:

Within India	Within Goa
11	02

Invited Lectures given by the faculty.

Within India	Within Goa
03	01

No. of Teachers pursuing research degree:

Ph.D.: 10

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

Any other Special Achievements of faculty:

- Dr. Gopal Krishna Rao, Principal, was nominated as Scientific Services Committee member by the Indian Pharmaceutical Congress Association, for the successive 9th year.
- Dr. Gopal Krishna Rao, Principal, was nominated as member on the 'Advisory Committee' to GPAT by AICTE, MHRD, Government of India, New Delhi.
- Dr. Gopal Krishna Rao, Principal, was nominated as independent expert by Drugs Controller General of India, New Delhi, for assessing the safety and efficacy of clinical research institutes and human ethical committees across the state of Goa.
- Dr. Gopal Krishna Rao, Principal, was elected as the President of the Indian Pharmaceutical Association, Goa State Branch for the term 2018-2020.

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 recognised and reputed agencies), Date of award
Dr. Rajesh S. Prabhu Gaonkar	Dr. J. M. Mahajan	Indian Institution of Industrial Engineering

Sports Achievement:

Level 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)

Contact No: ---

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

College Website: www.goacollegeofart.com

Courses offered and sanctioned strength:

- B. F. A. (Painting) - 20,
- B. F. A. (Applied Art) - 30.

Faculty strength: 08

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 Iustitia 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:

- College is a Center for Excellence awarded by 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/ Workshops

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 Students	Name of the even 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

Paper 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:

Publication	National	India	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

Publications:

Research Papers in Conference Proceeding

Publication	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

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

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– sanctioned-45; filled-43
- Bachelor of Performing Arts – sanctioned- 36; filled-33,
- Master Performing Arts – sanctioned-06; filled-03

Faculty strength: 04

Conference /Workshops Organized:

State level: 01

Invited lectures given by the faculty:

Within Goa: 01

No. of teachers pursuing research degree:

Ph.D.: 01

Awards:

Name of the faculty member	Title of the award	Name of Agency/ Institution sponsoring the award, Date of award
Mrs. Prajakta Prakash Vengurlekar	Rashtriya Ekta Sangeet Shikshak Ratna Puraskar	Ekta Sanshodhan Kendra, Mumbai. Suyog Kala Manch, Goa. Saptasur Sangeet Nritya Natak Kala va Sanskrutik Sanstha, Vasco – Goa. Manav Pragati Academy, Pune. 10 th Dec., 2017

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+3; filled-102, M. Sc (Nursing Programme) - sanctioned-25; filled-02.

Faculty Strength: 33

Publications:

Publications	Foreign	Indian
Research papers in journal	01	01
Research papers in Conf. Proceedings		02
Total	1	03

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

5.37 G. V. M's Dr. Dada Vaidya College of Education, Ponda

Year of Establishment:- 1993

College Address: Post Box No. 139, Farmagudi Ponda Goa 403 401

Principal's Details:

Name: Dr. Allan J. Abreo

Contact No. : 0832-2335089, 9422058395

Email: gym.educol@gmail.com

College website: www.gymcollege.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.

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: 'B+' Grade with 2.51 CGPA

Courses offered & sanctioned and filled strength:

- B.Ed. - 200

Research Centre: Ph.D. Research in Education

No. of Candidates, subject wise, registered for Ph.D under the Research Center:

02 (Education)

Any new course(s) started:

- Diploma in Pre-Primary Teachers Training

Faculty strength: 13

Papers presented in Conference/Seminars/Workshops:

Within Goa: 01

No. of teachers pursuing research degree:

Ph.D.: 02

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: baleanura@rediffmail.com

College website: www.gamre.org

Courses offered, sanctioned and filled strength:

B.A.M.S. -Bachelor of Ayurveda Medicine and Surgery (Ayurvedacharya): 60

Faculty strength: 38

Achievements of the College:

1. A) Prof. Varun Sahni, Vice Chancellor, Goa University addressed the students of 1st Year B.A.M.S. in 2017.

- B) Bharateeya Sanskriti Prabodhinis Gomantak Ayurveda Mahavidyalaya & Research Centre and its Hospital - Kamakshi Arogya Dham is the only extensive Ayurveda facility in the State. It has contributed a lot towards diagnosing and treating patients of Psoriasis. Expert Doctors at Kamakshi Arogya Dham have come up along with research, unique combination of herbal medicines which have given very good control and cure in patients of psoriasis.
2. The newly constructed OPD block at Kamakshi Arogya Dham (KAD) was inaugurated on 09/05/2018, at the auspicious hands of Shri. Shripad Naik (Hon. Minister, Dept. of AYUSH) Govt. of India, in presence of Shri. Subhash Shirodkar (Hon. MLA, Shiroda Constituency) and Smt. Jaya Mirkar, Members, office bearers of BSP, Principal, Teaching staff, students and patients were present.
 3. Swasthavritta & Yoga Department of Gomantak Ayurveda Mahavidyalaya and Research Centre, Shiroda — Goa, observed the 34 International Yoga Day by organizing various programmes as follows:
 - A) On 14th June 2017, Dr. Dhumwad and Dr. Joy gave an introductory talk on Yoga and conducted a Yoga session for the students of Kamalabai Hede High School, Shiroda.
 - B) On 20th June 2017, the eve of International Yoga Day, the Department organized a Yoga Rally “Yogathon” from Dhavali to Ponda KTC Bus Stand. The rally was inaugurated by Shri. P. K. Ghate, President of Bharateeya Sanskriti Prabodhini and had 150 participants consisting of the staff and students of the college.
 - C) On 21st June 2017, a team of staff and students represented the college at the International Yoga Day celebrations held at Shyama Prasad Stadium, Bambolim, headed by Dr. Vijay and Dr. Joy. Later on Dr. Joy conducted a Yoga session for the college staff and students as per the protocol given by AYUSH Ministry. Another team visited the Community Health Centre, Shiroda, for Yoga demonstrations for its staff and public.
 - D) Various CME organized by Kayachikitsa Department of our Institute by Vd. Rasik Pawaskar on 23 September 2017 and also Ayurved Vyaspeeth conducted CME in collaboration with Institute on 9th September 2017 by Prof. Vd. Upendra Dixit.
 - E) Ayurved Rasashala Pune organized CME on “Infertility” on 20th September 2017. Himalaya Drug Company organized a CME in the Institute on 7th December 2017.
 4. Monthly medical Camps organized in different parts of the state.
 - A) Monthly Suvarnaprashana Camp is organized at Institute - G.A.M.& R.C.Shiroda, Shri Mahalsa Temple- Verna, Pernem Sahakari Society- Pernem, Gajanan Maharaj Math, Housing Board- Margao and Swastik Vidyalaya- Priol.
 - B) Amrut Prashan Camp is organized on every second Saturday of the month at the Institute.
 - C) Garabhasanskar Camp is organized on 9th day of every month in the Institute.

- D) Lectures delivered by Doctors during monthly medical Camps organized in different parts of the state.
5. A) Dr. Anura Bale invited as a Guest Speaker at Govt. Ayurved College, Kanoor for National Seminar Rajata on 12th December 2017.
- B) Dr. Anura Bale and Dr. Neelesh Korde has delivered key note address on occupational health for the Global meet organized by KAUP - Karnataka Board.

Sponsored Research Projects sanctioned, ongoing and completed during June 2017 and May 2018.

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
02	Dr. Anil V. Panse	An open label, Single arm Multi	9 th Dec, 2017	Sponsor: Welex laboratories Pvt. Ltd. 1002, Marathon Innova Nextgen Off Ganpatrao Kadam marg, lower Parel (W) Mumbai 400013	Rs.55000 & Lab charges as actual	Ongoing
03	Dr. Mithun M. Bondre	centre, Prospective Clinical study to Evaluate Efficiency and safety of WERL/PSO-01 in Patients Suffering from chronic plaque Psoriasis				

Conferences/workshops organized:

State level: **04**

Publications:

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
II. Research papers in Journals	02	--	11	13
	Foreign Publisher	Indian Publisher	Local Publisher	
III. Books	-----	01	----	01
	International	National	Local	
IV. Research papers in Conference Proceedings	-----	02	02	04
Total	02	03	13	18

Papers presented in conference/Seminar/ Workshops:

Abroad: 01 within India: 06 within Goa: 02

Invited lectures:

within India: 06 within Goa: 16

Awards/Honours:

Name of the faculty member	Title of the awards/ Honours	Name of Agency/ Institution sponsoring the award.
Dr. Anura P. Bale	Legend G.A.M.A. 2018	Goa Ayurvedic Medical Association on 11 th Feb, 2018
Dr. Anil V. Panse	Vd. M. V. Kolhatkar Samshodhan Puraskar	Vd. Khadiwale Vaidyak Samshodhan Samstha, Pune on 22 nd March, 2018.
Dr. Geeta Patki	Dhanwantari Puraskar	Arogya Bharati and Directorate of Health Services, Goa 15 on 15th Oct., 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	--	----	----	01	----	----	01
Total	--	----	----	01	----	----	01

Any other Special Achievements:

- Dr. Sangram Keshari Das attended the "Field visit to Caranzole Sacred grove for documenting Medicinal Plants in the capacity of expert member under Thematic Expert Committee on Traditional Knowledge and Biodiversity Heritage Sites (TEC ON TK&BHS)", held on 29th March 2018.

- Dr. Neelesh P. Korde chaired “Session on Adolescent Health and Hygiene” organized by Red Ribbon club for the students of Shree Navadurga Higher Secondary School of Arts & Commerce, Mardol held on 17th March 2018 as resource person.
- Dr. Neelesh Korde delivered guest lecture for P. G. scholars of Alva’s Ayurveda Medical College at Moodbidri.
- Dr. Anil V. Panse Participate in the Seminar & Guest Speaker in seminar on “Clinical Aspects of Triskandha Ayurveda on 5th Nov. 2017 at Pune.
- Dr. Prathamesh V. Karpe & Dr. Sameer Joshi attended Conference on IXth ICTAM Congress held in Kiel Germany from 6th to 12th Aug 2017.

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.
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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 in journals	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-Ophtalmology
Total = 6	23	20

Awards/Honours:

Name of the faculty member	Title of the Awards/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.

- iii. To inculcate skill base clinical training practices that exemplifies excellence in health care with global standards.
- iv. To make homoeopathy the defining mode of treatment in health care in the society.
- v. 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 the Award	Name of the Agency/Institution sponsoring the award.
Dr. S.D.Naik	National Award	Dept. of AYUSH, Govt. of India.
Dr. Francisco Fernandes	National Award	Dept. of AYUSH, Govt. of India.

5.41 National Institute of Hydrography, Vasco-Da-Gama

Year of Establishment: 29th November 1978

College Address: c/o Headquarters, Goa Naval Area, Vasco-da-Gama, Goa- 403 802

Principal's Details:

Name: Capt. Rajesh Bargoti

Contact No.: 7083409597 / 0832-2582800

Website: info-nih.goa@nic.in

Vision and Mission Statement: Knowledge Begets Precision.

Courses offered and sanctioned strength:

- Post Graduate Certificate- sanctioned-15; filled-12,
- Post Graduate Diploma- sanctioned- --; filled- --,
- Master of Science in Hydrography- sanctioned- 15; filled- 12.

Faculty Strength: Officers-09.

5.42 Padre Conceicao College of Engineering, Verna

Year of Establishment: 1997.

College Address: Agnel Technical Education Complex, Agnel Ganv, Verna, Goa-403 722

Principal's details:

Name: Dr. Mahesh B. Parappagoudar

Contact No.: 0832-2791267

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- 08.
- 3 additional students admitted in each discipline against AICTE Tuition Fee Waiver Scheme for girls, economically backward and handicapped students*

Faculty strength: 65

Achievements of the College:

- An MOU was signed with Goa Entrepreneurship Mentoring Services Trust (GEMS) on 11th January 2018.
- An MOU was signed with Goa Technology Association (GTA) on 12th January 2018.

Sponsored Research Projects only sanctioned / Completed during June 2017 and May 2018:

Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/ completed with date
Dr. Geetha-lakshmi K.	Small Angle Neutron and X-Ray Scattering Investigations of Severe Plastic Deformation Processed Commercial Purity Titanium and Ti-6Al-4V Machining Chips	14 th January 2017 (3 years)	UGC-DAE Consortium for Scientific Research, Mumbai	Rs. 1,35,000/- (Rs. 45,000/- every year)	Sanctioned, on-going

Conferences/Workshops Organised:

State Level: 06

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	13	4	4	21
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Research papers In Edited Books	2	--	--	2
	International	National	Local	
III. Research papers in Conference Proceedings	17	5	6	28
Total	32	9	10	51

Papers presented in Conferences/Seminars/Workshops:

Abroad: 01

Within India: 28

Within Goa: 01

Invited Lectures given by the faculty:

Within Goa: 01

No. of teachers pursuing research degree;

Ph.D.: 11

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	--	--	02	05
Total	--	01	02	--	--	02	05

**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	Total
Research papers in journals	UGC Recognized (Foreign Publisher)	UGC Recognized (Indian Publisher)	ISSN ISBN 81-8324-654-0	Total 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 403513.

Principal's Details:

Name: Prof. S. Rajeswari

Contact No.: +917448202838, 09225988570

Email: vinegoa@yahoo.co.in , rajiawanthika@gmail.com

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: 18

Achievements of the College:

- 100% results in B. Sc Nursing for the academic year 2017-18

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.com

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 plus 3 seats under AICTE Tuition Fee Waiver Scheme & 02 seats to J&K students under PMSSC), Total filled strength=**63 seats**,
- **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 filled seats=**73 seats**,
- **Third year B.Pharm** - total filled strength is **66 seats**,
- **Fourth year B.Pharm** – total filled strength is **62 seats**

- **M.Pharm (first year)** in Pharmaceutical Chemistry- sanctioned strength is 15 seats, **filled strength is = 6 seats**,
- **M.Pharm (second year)** in Pharmaceutical Chemistry- sanctioned strength is 15 seats, **filled strength is = 15 seats**,

- **M.Pharm in Pharmaceutics**- sanctioned strength is 15 seats, filled strength = **15 seats**.
- **M.Pharm in Pharmaceutics**- sanctioned strength is 15 seats, **filled strength = 10 seats**.

Faculty Strength: 21

Conferences/Workshops Organized:

National level: 01

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

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC recognized	ISSN	
I. Research papers in journals	11	06	--	17
	International	National	Local	
II. Research papers in	03	10	--	13

conference proceedings				
Total	14	16	--	30

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
02	01	26

No. of teachers pursuing research degree:

Ph.D.: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	-	-	-	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-65 &filled-64,
- Electronics & Telecommunication Engineering-sanctioned- 63 & filled-63,
- Computer Engineering-sanctioned- 63 &filled-63,
- Civil Engineering- sanctioned-65 & filled – 64.

Faculty strength: 74

Achievements of the College:

- The Mechanical department is a center for BMW Skill Next Technical Skilling initiative.

Sponsored Research Projects sanctioned, Ongoing and Completed during June 2017 and May 2018.

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount	Specify whether sanctioned ongoing or completed
1	Prof. Ajit Salunke	Quality grading of Nuts by Machine Vision & Physical Properties using Lab View	27/04/2018	Department of Science, Technology	1.2 Lakhs	Sanctioned 04/05/2018

**Sponsored Consultancy Work sanctioned during the reporting period:
Department of Mechanical Engineering:**

Name of Consultancy	Name of Sponsor	Duration	Amount (Rs)	Sanction Date	Name of Faculty Member
Skill Development Program(PMKVY)	All India Council for Technical Education	6 Months	97,200.00	17/04/2017	Prof. Suraj Marathe
Skill Development Program(PMKVY)	All India Council for Technical Education	6 Months	72,900.00	27/12/2017	Prof. Suraj Marathe

Skill Development Centre initiated under Pradhan Mantri Kaushal Vikas Yojana (PMKVY) and 6 months Program for 60 employees of Godrej was conducted in 2017-2018.

Conferences/Workshops Organized:

State Level: 07

National Level: 04

International level: 01

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	--	01	31	32
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Research papers In Edited Books	--	01	--	01
	International	National	Local	
III. Research papers in Conference Proceedings	02	02	01	05
Total	02	04	32	38

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
02	08	02

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
--	--	01

No. of Teachers pursuing research degree:

Ph.D: 19

Awards:

Name of the faculty member	Title of the Award	Name of Agency/ Institution sponsoring the award (Only recognised and reputed agencies), Date of award
Prof. Satyesh Kakodkar	The Dewang Mehta National Education Award	Dewang Mehta National Education Awards
Prof. Ajit Salunke	Best HOD of the Year	Computer Society of India, Mumbai Chapter
Dr. Pravin Verekar	The Dewang Mehta National Education Award	Dewang Mehta National Education Awards

Prof.Gaurang Patkar	The International Competition on Oil Palm Mechanization (ICOPM 3)-Top 3	The International Competition on Oil Palm Mechanization (ICOPM 3)
Prof.Gaurang Patkar	BEST PROFESSOR IN COMPUTER ENGINEERING-2017	The Dewang Mehta National Education Awards
Roseline V. C. Fernandes	Bharat Vikas Award	Institute of Self Reliance, Bhuvaneshwar 01/12/2018

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	-	1	-	4
Total	-	2	1	-	1	-	4

Any other Special Achievements of faculty and students:

- Alam Maqsood, Student of B.E. (Civil Engineering) has been awarded the Sumant D. Wagh Memorial Prize and Shri. J. Inacio Gracias Gold Medal Prize for standing First at the B.E. (Civil) Examination held in May, 2018.
- Dr. Neena Panandikar, Principal, has received CMI Level 5 Certificate in Management and Leadership in March, 2018.
- Bharat Vikas Award: Prof. Gaurang S. Patkar has been honoured with Bharat Vikas Award. The award is by Odisha based Institute of Self Reliance for his loyalty, diligence and outstanding performance in the field of Soft Computing. The award was presented on 19th November, 2017.
- The BE Mechanical final year project “ Design & Fabrication of Disabled friendly wheelchair” selected in top hundred projects at Indian Science Festival -2018 at Lucknow under the guidance of Prof. Swapnil Ramani and Prof. Ajit Salunke.

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: ym.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: 49

Achievements of the College:

1. Signed an MOU with Goa Entrepreneurs Mentoring Services (GEMS)
2. Signed an MOU with Million Minds

Conferences/Workshops Organized:

State level: 01

National Level: 02

Publications:

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
V. Research papers in Journals	07	01	12	20
	International	National	Local	
VI. Research papers in Conference Proceedings	02	--	--	02
Total	09	01	12	22

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	02	01

No. of teachers pursuing research degree-

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	02	01	02	--	--	--	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, Parvari, Bardez, Goa. 403521

Principal's Details:

Name: Dr. 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.

The NAAC accreditation Status:

Whether accredited: Yes

Score and Grade: 'B+' Grade with 2.73 CGPA

Accreditation round: 1st cycle

Faculty strength: 26

Achievements of the College: Only institutional achievements should be mentioned.

- Granted Permanent Affiliation for the B.Com. Program from the academic year 2018-19 onwards by Goa University.
- Accredited by NAAC with B+ Grade on a Seven Point Scale Under New Framework (1st cycle) Date- 26/09/2018.

Conference/ workshop Organised:

State Level: 01

Publications:

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC recognized	ISSN	
I. Research papers in Journals	---	6	7	13
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Research papers in Edited Books	---	---	1	1
	International	National	Local	
III. Research papers in Conference Proceedings	---	1	4	5
Total	---	7	12	19

Papers presented in Conferences/Seminars/Workshops:

Within India: 04

Within Goa: 02

Invited lectures given by the faculty:

Within India: 07

Within Goa: 24

No. of teachers pursuing research degree:

Ph.D.: 11

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	3	6	1	-	-	13
State	1	-	1	4	-	-	06
National	2	1	-	1	-	-	04
Total	6	4	7	6	-	-	23

Details of the Sports Achievements at National and International Level:

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 1st / 2nd / 3rd
Sunny Phayde	Tennis Ball Cricket	26 th Federation Cup Tennis Ball Cricket Championship 2018 held on 23-25 March 2018	Vellore District Tennis Ball Cricket Association, Tamilnadu	1 st
Anjoom Sawant Dessai	Rope Skipping	18 th National Rope Skipping Championship 2017 held on 27 th January, 2018	M.P. Rope Skipping Association	2 Gold 1 Silver
Shubham Bhonsle & Rohit Angolkar	Baseball	32 nd Senior National Baseball Championship 2017	Chattisgarh Baseball Association	Participation
Nikhil Naik	Football	West Zone Inter University Football Men Championship, 2017-18, held from 21 - 27 December 2017.	Jagran Lake University, Bhopal, MP	Lost in Qualifier
Nilufer Javali	Judo	Senior National Open Judo Championship, 2017-18, held on 10 th March. 2018	Jammu & Kashmir Judo Federation	Participation

5.54 V. M. Salgaocar Institute of International Hospitality Education

Year of Establishment: July 2014

College Address: Manora, Raia, Salcete, Goa - 403720

Principal's Details:

Name: Prof. Irfan S. Mirza

Contact No: 7720023201

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:72

Faculty strength: 15

Achievements of the College:

Institute has MOU With:-

1. Dublin Institute Of Technology- Ireland (Academic Support)
2. Turismo De Portugal- Portugal (Student Exchange Program)
3. Business & Hotel Management School- Switzerland (For Higher Studies)

Conferences/Workshops Organized:

State level: 02

Publications:

Book: 01

Papers presented in Conferences/Seminars/Workshops:

Within India: 03

Any other special achievements of faculty:

- Recipient of “ Swachhatam Vidhyalaya Samman” for three consecutive years 2016, 2017 and 2018 for the Cleanest College in State of Goa.
- All India Achievers Foundation – Outstanding Achievers Award for Education Excellence presented to Prof. Mirza Director/Principal for his contribution in Hospitality Education.
- The knowledge Review : VMSIHE is recognized by Knowledge Review as 10 best Hotel Management Institute in India -2018
- Goa State Best Brand Award 2018- Brand Leadership Award presented to VMSIHE
- Higher Education Review presents VMSIHE as top 10 promising institute in Travel & Hospitality Institute in India 2018

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:dbcaprincipal@gmail.com

College website:www.donboscocollegeofagriculture.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	-

5.57 Ramanata Crisna Pai Raikar School of Agriculture

Year of Establishment: 2016

College Address: Madhalawada, Savoi – Verem, Ponda – Goa.

Principal's Details:

Name: Shrirang V. Jambhale

Contact No: 9673751125

Email: rcpragrischool@gmail.com

College website: www.rcpragrischool.com

Courses offered:

- Advance Diploma (Agriculture): sanctioned-33; filled-32.

Faculty strength: 05

Achievements of the College:

- MoU with ICAR – CCARI for Knowledge Sharing and Research Programme.
- MoU with HAS University, The Netherland for Students Exchange Programme, Knowledge Transfer and Upgradation of Skills.
- MoU with IDEA, The Netherland for Skill Enhancement in Agriculture and Providing Training.

Conferences/Workshops Organized:

State level: 01

Invited Lectures given by the faculty:

Within Goa: 01

5 C. RECOGNISED INSTITUTIONS

List of Recognised Institutions:

5.56 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

5.57 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

5.58 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>

5.59 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.

5.60 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)

5.61 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.

5.62 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.

5.63 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

5.64 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:
List of Rankers for 30th Convocation

Sr. No.	Degree / Exam	Name of Students	Rank
1	M.A. English	Amrita S Iyer	First
2	M.A. English	Guarda Natasha	Second
3	M.A. English	Souza Alisha	Third
4	M.A. French	Dalvi Shourya Shanker	First
5	M.A. French	Oommen Zina	Second
6	M.A. French	Saiyed Rumana	Third
7	M.A. Portuguese	Barreto Loraine Ethel	First
8	M.A. Portuguese	Quadros Maria Caroline	Second
9	M.A. Portuguese	Vales Audrey Edociana	Third
10	M.A. Hindi	Dessai Rashmi Purushottam	First
11	M.A. Hindi	Shirodkar Siddhi Pramod	Second
12	M.A. Hindi	Mulla Nijawana Dastagirsab	Third
13	M.A. Marathi	Vasta Purva Pandit	First
14	M.A. Marathi	Naik Anjali Ashok	Second
15	M.A. Marathi	Mopkar Sushmita Narayan	Third
16	M.A. Konkani	Tari Pradnya Dhananjay	First
17	M.A. Konkani	Fernandes Agnes Rose	Second
18	M.A. Konkani	Raikar Utkarsha Govind	Third
19	M.A. Psychology	Matonkar Sweta Shyam	First
20	M.A. Psychology	Dcosta Melito	Second
21	M.A. Psychology	Cecilia Nisha De Xavier Carvalho e Costa	Third

22	M.A. Economics	D'Souza Adon Nelson Richard Rajiv	First
23	M.A. Economics	Fernandes Luciana	Second
24	M.A. Economics	Kerkar Pooja Prabhakar	Third
25	M.A. Political Science	Madar Yamnava Shivappa	First
26	M.A. Political Science	Sukhtankar Mohit Krishna	Second
27	M.A. Political Science	Desai Pradnya Mahendra	Third
28	M.A. Sociology	Antony Alphonse Xavier	First
29	M.A. Sociology	Agarwadekar Karishma Krishna	Second
30	M.A. Sociology	Antao Alisha Gilberta	Third
31	M.A. Women's Studies	Cardoz Steffi Maria	First
32	M.A. Women's Studies	Dias Kimberley Severina	Second
33	M.A. Women's Studies	Palekar Tanvi Basavaraj	Third
34	M.A. History	Naik Bhairali Sankalp Sarveshwar	First
35	M.A. History	D'Gama Uroila Amanda	Second
36	M.A. History	Da Costa Marushka Savia	Third
37	Master of Social Work	Bhat Anuradha Chandrashekar	First
38	Master of Social Work	Melwin Santosh Alert Pais	Second
39	Master of Social Work	Noronha Janessa Especiosa	Third
40	M.A. Tourism & Heritage Management	Singh Sushmita	First
41	M.A. Tourism & Heritage Management	Kaskar Shrutika Mahesh	Second
42	M.A. Tourism & Heritage Management	Muzawar Shahanana Bi Iqbal	Third
43	Bachelor of Library & Information Science	Nancy Waral L.	First
44	Bachelor of Library & Information Science	D'Mello Janessa Macklyn	Second
45	Bachelor of Library & Information Science	Fernandes Vanessa Lisette	Third

46	Master of Library & Information Science	Naik Supriya Subhash	First
47	Master of Library & Information Science	Satarkar Karishma Khushali	Second
48	Master of Library & Information Science	Dessai Samikshah Shamba	Third
49	M.Sc. Electronics	Fernandes Melwyn Avelino	First
50	M.Sc. Electronics	Pinto Shawn Aaron John	Second
51	M.Sc. Electronics	Verma Phoolchand Guruprasad	Third
52	M.Sc. Applied Geology	Naik Anmol Nilkant	First
53	M.Sc. Applied Geology	Kelkar Akshay Arun	Second
54	M.Sc. Applied Geology	Chari Chinmay Narayan	Third
55	M.Sc. Physics	Gomes Tania Rifa	First
56	M.Sc. Physics	Raiker Akshaya Shanu	Second
57	M.Sc. Physics	Pillai Kirthanakrishnan Radhakrishnan	Third
58	M.Sc. Organic Chemistry	Gupta Seema Munna	First
59	M.Sc. Organic Chemistry	Gawade Deepika Ramdas	Second
60	M.Sc. Organic Chemistry	Naguram Priyanka	Third
61	M.Sc. Inorganic Chemistry	Sinari Unnati Ulhas	First
62	M.Sc. Inorganic Chemistry	Atthigundikar Pooja Chandru	Second
63	M.Sc. Inorganic Chemistry	Shetgaonkar Nikhil Raghuvir	Third
64	M.Sc. Physical Chemistry	Naik Shobhana Mohan	First
65	M.Sc. Physical Chemistry	Sayed Kudubudin	Second
66	M.Sc. Physical Chemistry	Ebis Baby	Third
67	M.Sc. Pharmaceutical Chemistry	Palyekar Udesh Shrikrishna	First
68	M.Sc. Pharmaceutical Chemistry	Mandrekar Shubham Rohidas	Second
69	M.Sc. Pharmaceutical Chemistry	Talkar Vardha Bansidhar	Third

70	M.Sc. Analytical Chemistry	Raikar Laxman Govind	First
71	M.Sc. Analytical Chemistry	Torcato Rancie Chrispya	Second
72	M.Sc. Analytical Chemistry	Fatarpeker Sailee	Third
73	M.Sc. Mathematics	Borkar Medha Jaibharat	First
74	M.Sc. Mathematics	Raikar Meetal Mahesh	Second
75	M.Sc. Mathematics	Joshi Utkarsha Ravindranath	Third
76	M.Sc. Biotechnology	Natu Nishigandha Shripad	First
77	M.Sc. Biotechnology	Sawant Sneha Sadanand	Second
78	M.Sc. Biotechnology	Mhapsekar Ankita C	Third
79	M.Sc. Marine Biotechnology	O'Niel Ruchika Annie	First
80	M.Sc. Marine Biotechnology	Anuj Sharma	Second
81	M.Sc. Marine Biotechnology	Hari Mohan Jha	Third
82	M.Sc. Marine Microbiology	Fernandes Estha Theresa	First
83	M.Sc. Marine Microbiology	Bhangui Purva Ashok	Second
84	M.Sc. Marine Microbiology	Da Costa Sarina Maria	Third
85	M.Sc. Microbiology	Fernandes Lydia Rochelle	First
86	M.Sc. Microbiology	Shenvi Kunkolienkar Rukma Sagun	Second
87	M.Sc. Microbiology	Gawade Akshada Narayan	Third
88	M.Sc. Zoology	Pandit Rupali Suresh	First
89	M.Sc. Zoology	D'Costa Pearl Sybil	Second
90	M.Sc. Zoology	D'Souza Andrea Runasia Menezes	Third
91	M.Sc. Botany	Rodrigues Marina Janice	First
92	M.Sc. Botany	Pavithran N	Second
93	M.Sc. Botany	Bhat Ramya	Third

94	M.Sc. Marine Science	Patil Partha Ashis Archana	First
95	M.Sc. Marine Science	D'Souza Jennita Anna	Second
96	M.Sc. Marine Science	Shaikh Adnan Abdul	Third
97	M.Sc. Biochemistry	Bhobe Ankita Jeetendra	First
98	M.Sc. Biochemistry	Vaz Alienor Christia Cecilia	Second
99	M.Sc. Biochemistry	Vaigankar Risha Narendra	Third
100	Bachelor of Performing Arts	Lotlikar Nahush Ramnath	First
101	Bachelor of Performing Arts	Keluskar Jyoti Suresh	Second
102	Bachelor of Performing Arts	Gauns Maheshwar Shambhu	Third
103	M.Com.	Manerikar Manisha D	First
104	M.Com.	Shaik Marjina	Second
105	M.Com.	Tilve Mona Vinayak	Third
106	M.B.A. Financial Services	Gomes Oswinda Sciana	First
107	M.B.A. Financial Services	Menezes Firmina	Second
108	M.B.A. Financial Services	Furtado Jr. Sinclair Rebecca	Third
109	M.C.A	D'Souza Carlton Joseph	First
110	M.C.A	Fernandes Glenn	Second
111	M.C.A	Devalmakki Anusha Ashok	Third
112	M.Tech.	Shet Parker Ruchee Rajendra	First
113	M.Tech.	Thakkar Gaurish Pandurang	Second
114	M.Tech.	Arsekar Radhiya Avdhut Asha	Third
115	M.B.A.	Naik Sankalp Purushottam	First
116	M.B.A.	Dias Ozinta Gracy	Second
117	M.B.A.	Shirodkar Richa Saju	Third

118	B.B.A. (Integrated MBA - Hospitality, Travel & Tourism)	Joshin Mathew	First
119	B.B.A. (Integrated MBA - Hospitality, Travel & Tourism)	Sharma Shailo Pawankumar	Second
120	B.B.A. (Integrated MBA - Hospitality, Travel & Tourism)	Alvares Melquis Fransisco Paschol	Third
121	LL.M.	Sawant Laxman Ramnath	First
122	LL.M.	Mascarenhas Teisy	Second
123	LL.M.	Shaikh Rukshar Moosa	Third
124	LL.B. (Degree)	Nayak Ameya Audhut	First
125	LL.B. (Degree)	Naik Manashree Mohan	Second
126	LL.B. (Degree)	Talekar Sachi Dattatraya	Third
127	B.A.LL.B.	Kauthankar Vrushika Alias Vaidhyai Premanand	First
128	B.A.LL.B.	Gaoukar Gaurav Sagun	Second
129	B.A.LL.B.	Kerkar Tina Ankush	Third
130	B.A.	Noronha Gayle Zenia	First
131	B.A.	Viegas Ana Manuella	Second
132	B.A.	Souza Severita Argentina	Third
133	B.Com.	Shewakramani Gaurav Manohar	First
134	B.Com.	Nevgi Karishma Gurudas	Second
135	B.Com.	D'Souza Januel Rocky James	Third
136	B.Sc.	Kankonkar Ankur Shahu	First
137	B.Sc.	Cardozo Jesvita Joseph Josefina	Second
138	B.Sc.	Kerkar Rudra Pravin	Third
139	Bachelor of Social Work	Divya Susan Mathew	First
140	Bachelor of Social Work	Samant Siddhi Manoj	Second
141	Bachelor of Social Work	Naik Shahan Nanda	Third

142	B.Sc. (Home Science)	Naik Shubham Shivdas	First
143	B.Sc. (Home Science)	Fernandes Sonaria Vina Saviola	Second
144	B.Sc. (Home Science)	Sawant Shraddha Shrikant	Third
145	B.Ed.	Fernandes Apurva E Manuella	First
146	B.Ed.	Gawas Ketaki Soma	Second
147	B.Ed.	Naik Dessai Rui Rajendra	Third
148	B.D.S.	Alka Joseph	First
149	B.D.S.	Pawaskar Rukma Rajeev	Second
150	B.D.S.	Shubham Goyal	Third
151	B.F.A.(Applied Art))	Cardozo Glen Peter	First
152	B.F.A.(Applied Art))	Deshpande Nikita Atmaram	Second
153	B.F.A.(Applied Art))	Carvalho Gayle Linda	Third
154	B.F.A.(Painting)	Pandit Seeya Atul	First
155	B.F.A.(Painting)	Rodrigues Aldrin Jude Fonseca	Second
156	B.F.A.(Painting)	Pai Anglo Uttara Janardan	Third
157	M.Sc.(Hydrography)	Kaustubh Kulkarni	First
158	M.Sc.(Hydrography)	Abubakar Aminu Giginya	Second
159	M.Sc.(Hydrography)	M R Maradana	Third
160	B.Pharm.	Kapileshwari Gauri Ramchandra	First
161	B.Pharm.	Naik Navedeeta Ameet	Second
162	B.Pharm.	Dharwadkar Krupa Gaurish	Third
163	B.Sc Nursing	Dias Rayola	First
164	B.Sc Nursing	Pinto Cinaaz Niquenim	Second
165	B.Sc Nursing	Gonsalves Alrida	Third

172	M.Pharm. (Quality Assurance)	Gawas Rasvita Raghuvir	First
173	M.Pharm. (Quality Assurance)	Fernandes Nashoma Inacinha	Second
174	M.Pharm. (Quality Assurance)	D'Cunha Jubeka Matilda Silva	Third
175	M.Pharm. (Pharmacology)	Samant Priti Bhanudas	First
176	M.Pharm. (Pharmacology)	Sawal Desai Sonali Sakharam	Second
177	M.Pharm. (Pharmacology)	Naik Divya Dinesh	Third
178	M.Pharm. (Pharmacognosy)	Kamat Aditi Uday	First
179	M.Pharm. (Pharmacognosy)	Kumari Swati	Second
180	M.Pharm. (Pharmacognosy)	Gaude Richa Rohidas	Third
181	M.Pharm. (Pharmaceutical Chemistry)	Borges E Soares Giselle Amanda	First
182	M.Pharm. (Pharmaceutical Chemistry)	Sinai Priolkar Rudrax Naguesh	Second
183	M.Pharm. (Pharmaceutical Chemistry)	Naik Karmali Hari Alias Harshank Amir	Third
184	M.Pharm. (Pharmaceutics)	Gaonkar Ratisha Ramesh	First
185	M.Pharm. (Pharmaceutics)	Laad Purva Rajendra	Second
186	M.Pharm. (Pharmaceutics)	Prabhugaonkar Vaibhavi Rajendra	Third
187	M.E. Foundation Engineering	Sabnis Sidhi Satish	First
188	M.E. Foundation Engineering	Shetgaonkar Shreya Sitakant	Second
189	M.E. Foundation Engineering	Chanekar Tanvi Prakash	Third
190	M.E. Computer Science & Engineering	Phadte Radha Shashikant	First
191	M.E. Computer Science & Engineering	Naik Janhavi Ramdas	Second
192	M.E. Computer Science & Engineering	Gosavi Gaurav G.	Third
193	M.E. Power & Energy System Engineering	Shenvi Sangavkar Amey Dinesh	First
194	M.E. Power & Energy System Engineering	Patil Ramesh Eknath	Second
195	M.E. Power & Energy System Engineering	Chodankar Deepak Pandurang	Third

196	M.E. E.T.C. (Microelectronics)	Kalshaonkar Reema Dattaram	First
197	M.E. E.T.C. (Microelectronics)	Kharangate Laximi Shashank	Second
198	M.E. E.T.C. (Microelectronics)	Rane Karan Parshuram	Third
199	M.E. E.T.C. (Electronic Communication & Instrumentation)	Tivarekar Rahulkumar Pramod Pranalee	First
200	M.E. E.T.C. (Electronic Communication & Instrumentation)	Lopes Meryl Celian	Second
201	M.E. E.T.C. (Electronic Communication & Instrumentation)	Parodkar Siddhi Vinod	Third
202	M.E. E.T.C. (Industrial Automation & Radio Frequency Engineering)	Joundale Sneha Bhimrao	First
203	M.E. E.T.C. (Industrial Automation & Radio Frequency Engineering)	Prabhu Gaunker Chaitanya Umesh	Second
204	M.E. E.T.C. (Industrial Automation & Radio Frequency Engineering)	Mujawar Mehaboob Riyaz Ahamed	Third
205	M.E. Information Technology	Pereira Bevinda Alisha	First
206	M.E. Information Technology	Shaikh Hasina Bi	Second
207	M.E. Information Technology	Parab Neha Raghoba	Third
208	M.B.B.S.	Naik Komal Sanjay A	First
209	M.B.B.S.	Juwarkar Akshay Sanjeev	Second
210	M.B.B.S.	Prabhu Lawande Shikha Uday	Third
211	M.D. Anaesthesia	Thorwat Saharsh Sambhaji	First
212	M.D. Anaesthesia	Parkar Nimisha Mahesh	Second
213	M.D. Anaesthesia	Kamat Gayatri Sanjay	Third
214	M.S. General Surgery	Sneha Kanyal	First
215	M.S. General Surgery	Kamat Sanjivi Santosh	Second
216	M.S. General Surgery	Dessai Govindraj Shripad	Third
217	B.Arch.	Kunhi Najamun Nisha Moideen	First
218	B.Arch.	D'Souza Alicia Gwin	Second
219	B.Arch.	Lyngksiar N. Khongwir	Second

220	B.Arch.	Nanodkar Sunidhi Sushil	Second
221	B.Arch.	Porob Navelkar Siya Arun	Third
224	Bachelor of Engineering (Civil)	Laad Amit Amol	First
225	Bachelor of Engineering (Civil)	Bhat Prathamesh Maruti	Second
226	Bachelor of Engineering (Civil)	Travasso Valanka	Third
227	Bachelor of Engineering (Mechanical)	Shetkar Keshav Alias Dipesh Ramesh	First
228	Bachelor of Engineering (Mechanical)	Prabhudessai Pratish Pradeep	Second
229	Bachelor of Engineering (Mechanical)	Vishwakarma Nilabh Rajendraprasad	Third
230	Bachelor of Engineering (Electronics & Telecommunications)	Shanbhag Ajay Govindray	First
231	Bachelor of Engineering (Electronics & Telecommunications)	Picardo Enola	Second
232	Bachelor of Engineering (Electronics & Telecommunications)	Pereira Armandinha	Third
233	Bachelor of Engineering (Computer)	Anusaya Laxmikanta Vadji	First
234	Bachelor of Engineering (Computer)	Alveena Joseph	Second
235	Bachelor of Engineering (Computer)	Kadkade Apoorva Mahesh	Third
236	Bachelor of Engineering (Electricals & Electronics)	Gaonkar Sachita Sitaram	First
237	Bachelor of Engineering (Electricals & Electronics)	Verenker Saurabh Santosh	Second
238	Bachelor of Engineering (Electricals & Electronics)	Rane Pradnya Anil	Third
239	Bachelor of Engineering (Information Technology)	Afonso Maclyn	First
240	Bachelor of Engineering (Information Technology)	Chodankar Kumidini Alias Priya Purushottam	Second
241	Bachelor of Engineering (Information Technology)	Kole Poornima Santosh	Third
242	Bachelor of Engineering (Mining)	Betkekar Saish Chandrakant	First
243	Bachelor of Engineering (Mining)	Samant Vaibhav Rajendra	Second
244	Bachelor of Engineering (Mining)	Dalvi Swapnil Mahadeo	Third

245	Bachelor of Engineering (Electronics & Communication)	Badiger Jagdish M	First
246	Bachelor of Engineering (Electronics & Communication)	Mayapur Priyanka Prasanta	Second
247	Bachelor of Engineering (Electronics & Communication)	Dias Jennifer Sophia	Third