



GOA UNIVERSITY

# ANNUAL REPORT

(June 2020-May 2021)

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# GOA UNIVERSITY

TALEIGAO PLATEAU

GOA 403 206



## XXXVI ANNUAL REPORT (June 2020 - May 2021)

## **CHANCELLORS**

**Shri. Satyapal Malik**  
**(3 November 2019-18 August 2020)**

**Shri. Bhagat Singh Koshyari (Additional charge)**  
**(19 August 2020 – 14 July 2021)**

**VICE-CHANCELLOR**  
**Prof. Varun Sahni**

**REGISTRAR**  
**Prof. Radhika S. Nayak**  
**(Officiating)**

# **Executive Summary of the Annual Report 2020-2021**

The Annual Report June 2020- May 2021 is split into an introduction section followed by 6 parts.

Part 1 lists the University Authorities and Bodies, including the Executive Council, the University Court, the Academic Council, the Planning Board, the Finance Commission, in addition to the Deans of Faculties, the Officers of the University and the details pertaining to meetings of University Authorities and Bodies.

Part 2 includes the details of the University Schools, Departments, Centres and various Programmes offered. The Schools/Departments covered include the Faculties of Languages and Literature, Social Sciences, Natural Sciences, Life Sciences and Environment; and Goa Business School, School of Earth, Ocean and Atmospheric Sciences, and the Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP).

Part 3 elaborates on the diverse Innovative Programmes encompassing the Directorates of Research Development & Resources Mobilization Cell (DRDRM), Extra Mural Studies and Extension Services (DEMS & ES), Digital Learning & Initiatives (DDLI), Visiting Chair Research Professors Programme (VRPP), All India Survey on Higher Education (DAISHE), Student's Welfare and Cultural Affairs (DSW), Internships, Incubation and Industry Partnership (DIIIP), Students Placement and Alumni Relations (DSPAR), International Cooperation and Exchange (DICE), Rashtriya Uchattar Shiksha Abhiyaan (DRUSA), Foreign Students (DFS), Internal Quality Assurance (DIQA), and Unnat Bharat Abhiyaan (DUBA).

Part 4 mentions details of the General Administration and Activities involving Computerization and IT Infrastructure, UGC Human Resource Development Centre, Hostels, Swachh Bharat Abhiyaan, Library and Sports.

Part 5 is about the Affiliated Colleges and Recognized Institutions (General Education Colleges, Professional Colleges and Recognized Institutions).

Part 6 gives the list of Ph.D. Awardees.

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## **INTRODUCTION**

Goa University has maintained a trajectory of steady and sustained growth since its inception in 1985. The University's growth has been stupendous in terms of its infrastructure, Schools, 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 68<sup>th</sup> ranking institution at all India level in 2018.

The total faculty strength of Goa University is 233. This includes 2 Senior Professors, 50 Professors, 18 Associate Professors and 163 Assistant Professors. The strength of the Supporting staff/ Officers/non-teaching staff is 441 and students (Part I & II) are 2159.

A snapshot of research activities and articles published in journals during the period June 2020-May 2021 is as follows. The research undertaken by the Faculty of Languages and Literature focuses on Cultural Studies, Medieval Literature; and Francophone and Lusophone Studies, highlighted in 14 publications during the period of the report. The Faculty of Social Sciences has varied research interests covering philosophical problems, Local and International Governance, International Relations and Area Studies, Women's Studies and Library and Information Science, and 10 publications. The Faculty of Life Sciences & Environment investigates aspects pertaining to biodiversity of flora and fauna, applied environmental microbiology, biotechnological applications and bioremediation processes, reflected in 38 publications. The School of Physical and Applied Sciences conducts research in the fields of condensed matter physics, materials science, biophysics, computational physics and functional analysis and its applications, and has an output of 17 research publications. The School of Chemical Sciences studies diverse aspects relating to Analytical Chemistry, Inorganic Chemistry, Organic Chemistry and Physical Chemistry, reflected in 109 research publications. The thrust areas of the Goa Business School include MSMEs, Tourism, Financial Services, Corporate Finance, Aspect-Oriented Programming, Machine Learning, Virtual/Augmented/Mixed Reality, with 56 publications. The School of Earth, Ocean and Atmospheric Sciences focusses on aspects related to marine science, applied geology, marine microbiology and environmental science, represented in 13 publications.

The Annual Report portrays the wide spectrum of various academic and co-curricular activities at the University and its affiliated Colleges/Institutions. The vibrant academic environment in the University Campus viz., the research projects, research publications, participation in international seminars and workshops, special achievements including awards and honours are highlighted. 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 and achievements of the affiliated Colleges/Institutions to its readers.

We thank our honourable Vice-Chancellor **Prof. Varun Sahni** for his constant support and encouragement in bringing out this report. We are thankful to the Deans of the Schools, Heads of the Departments, Centres of the University 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 **Dr. Carlos M. Fernandes**, Asstt. Prof. (Teacher-In-Charge), Department of Library & Information Science and In-Charge University Librarian of Goa University for collecting the information. The Committee thanks all those who have contributed directly or indirectly in preparing and publishing this Annual Report.

The Committee constituted by the Vice-Chancellor to finalize the Annual Report (June 2020-May 2021):

**Prof. Vishnu Murty Matta**, Chairperson  
**Dr. Sandesh B. Dessai**, Member  
**Dr. Priya Mallika D'Costa**, Member  
**Dr. Digamber G. Porob**, Member  
**Dr. Anjali Chaubey**, Member  
**Dr. Cherukulappurath Sudhir**, Member  
**Dr. Siddhi Kashinath Jalmi**, Member  
**Shri. Terence F. B. Rodrigues**, Member Secretary



**PART 1**  
**UNIVERSITY AUTHORITIES AND BODIES**

## **PART 1: UNIVERSITY AUTHORITIES AND BODIES.....**

### **1.1. MEMBERS OF THE EXECUTIVE COUNCIL**

#### **Chairperson**

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

#### **Nominees of the Chancellor**

Shri Arjun Chowgule, Executive Director, Chief Financial Officer, Chowgule and Company Private Ltd., Mormugao Harbour, Goa.

Shri Ratnakar Ganesh Lele, Retd. Principal of Mushtifund Higher Secondary School, A-3, Greenland Colony, Campal, Panaji, Goa.

Shri Seshadri Chari, D-2203, Royal Embassy, Vidyaratna Nagar, Endpoint Road, Manipal-576104.

Dr. Sudhir Singh, Department of Political Science, Dyal Singh College, University of New Delhi, Lodhi Road, New Delhi-110003.

Prof. (Dr.) Gopal Singh Nayal, Lower Mall Road, Khatyari, Post 7 District Almora, Uttarakhand-263601.

#### **Nominees of the State Government**

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

Shri Sudin Nayak, President of Samaj Seva Samiti, R/o Comba, Margao-Goa.

Dr. Ajit Parulekar, Director, Goa Institute of Management, Poriem, Sattari, Goa.

Shri Rajendra Arlekar, President of Vadem Nagar Shikshan Seva Mandal, New-Vaddem 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. H. B. Menon, Dean, School of Earth, Ocean & Atmospheric Sciences, Goa University.

Prof. R. G. Wiseman Pinto, Dean, Faculty of Medicine, Goa Medical College, Bambolim.

Dr. Neena S. P. Panandikar, Principal, Don Bosco College of Engineering, Fatorda, Margao.

Prof. S. G. Tilve, School of Chemical Sciences, Goa University.

#### **Member Secretary (Ex-Officio)**

Prof. Y. V. Reddy, Registrar, Goa University (till 21/09/2020)

Prof. Radhika S. Nayak, Officiating Registrar, Goa University (22/09/2020 onwards)

## **1.2. MEMBERS OF THE UNIVERSITY COURT**

### **Chairperson**

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

### **Nominees of the Executive Council**

#### **Deans of Schools/Departments/Faculties**

Prof. Nina Caldeira, Dean, Faculty of Languages & Literature, Goa University.

Prof. Shaila Desouza, Head, Department of Women's Studies.

Prof. V. S. Nadkarni, Dean, School of Chemical Sciences, Goa University.

Dr. Saba Da Silva, Dean, Faculty of Law, Goa University.

Dr. Gopal Krishna Rao, Dean, Faculty of Pharmacy, Goa University.

### **University Professors**

Prof. Usha D. Muraleedharan, Department of Biotechnology, Goa University.

Prof. Vishnu Murty Matta, School of Earth, Ocean and Atmospheric Sciences, Goa University.

Prof. Purva G. Hegde-Desai, Goa Business School, Goa University.

Prof. Anuradha Wagle, Department of French & Francophone Studies, Goa University.

Prof. K. G. Sankaranarayanan, Goa Business School, Goa University.

### **Principals of Affiliated Colleges**

Dr. Mahesh Pai, Goa College of Home Science, Campal, Panaji.

Prof. Ramrao Wagh, Kala Academy Goa's College of Theatre Arts, Campal, Panaji.

Dr. Gajanan V. Madiwal, Govt. College of Commerce & Economics, Borda, Margao.

Dr. Manoj Kamat, DPM's Shree Mallikarjun & Shri Chetan Manju Desai College, Delem, Canacona.

Dr. Blanche R. C. S. Fernandes e Mascarenhas, St. Xavier's College, Mapusa, Bardez.

### **Elected Members**

Prof. Anthony Rodrigues, Fr. Agnel College of Arts & Commerce, Pilar, Goa.

Dr. Manoj Ibrampurkar, Dhempe College of Arts & Science, Panaji, Goa.

Prof. (Dr.) Uday N. Kudalkar, Goa Medical College, Bambolim, Goa.

Dr. Daisy John, Goa College of Home Science, Campal, Panaji, Goa.

Dr. Sheetal Arondekar, Shree Damodar College of Commerce & Economics, Margao, Goa.

Dr. Ignatius Fernandes, Rosary College of Commerce and Arts, Navelim, Salcete, Goa.

Dr. Pravina Kerkar, Govt. College of Arts, Science & Commerce, Khandola, Marcela, Goa.

Ms. Ujvala Hanjunker, Vidya Prabodhini College of Commerce, Education, Computer and Management, Vidya Nagar, Alto Porvorim, Goa.

Dr. R. Nirmala, Goa Business School, Goa University.

Prof. Sunder N. Dhuri, School of Chemical Sciences, Goa University.

Dr. Prakash Parienkar, Department of Konkani, Goa University.

**Nominees of the Executive Council**

Chairperson, Goa Vidyaprasarak Mandal, Ponda, Goa.

Chairperson, Fr. Agnel Charity Trust, Verna, Goa.

**Ex-Officio Members**

Chairperson, Goa University Students Council, Goa University.

Chairperson, Post-Graduate Students Union, Goa University.

**Nominees of the Chancellor ---****Nominees of the State Government ---****Representative of Non-Teaching Staff**

Shri. Sachin Sambhaji, Assistant Director (Engineering).

**Member Secretary (Ex-Officio)**

Prof. Radhika S. Nayak, Officiating Registrar, Goa University.

**1.3. MEMBERS OF THE ACADEMIC COUNCIL****Chairperson**

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

**Deans of Faculties**

Dean, Faculty of Languages & Literature, Goa University.

Dean, Faculty of Performing, Fine Art & Music, Goa University.

Dean, Faculty of Social Sciences, Goa University.

Dean, Faculty of Medicine, Goa University.

Dean, Faculty of Engineering, Goa University.

Dean, Faculty of Law, Goa University.

Dean, Faculty of Life Sciences and Environment, Goa University.

Dean, Faculty of Planning, Architecture & Design, Goa University.

Dean, Faculty of Education, Goa University.

Dean, School of Physical and Applied Sciences, Goa University.

Dean, School of Earth, Ocean & Atmospheric Sciences, Goa University.

Dean, Goa Business School, Goa University.

Dean, School of Chemical Sciences, Goa University.

### **University Professors**

Prof. Ramaballav Roy, Department of Zoology, Goa University.

Prof. S. Krishnan, Department of Botany, Goa University.

Prof. Jyoti D. Pawar, Goa Business School, Goa University.

Prof. R. S. Gad, Department of Electronics, Goa University.

Prof. Rahul Tripathi, Department of Political Science, Goa University.

### **Principals of Affiliated Colleges**

Dr. Savio da Piedade Falleiro, Fr. Agnel College of Arts & Commerce, Pilar, Goa.

Dr. Ashish K. Rege, Goa College of Architecture, Altinho, Panaji, Goa.

Dr. Shivanand Bandekar, Goa Medical College & Hospital, Bambolim, Goa.

Dr. Sanjay P. Desai, C. E. S's College of Arts & Commerce, Cuncolim, Salcete, Goa.

Cmde. Sajeev K. Nair, National Institute of Hydrography, Vasco-da-Gama, Goa.

Dr. Shaikh Mohammad P. Al-Usmani, Shri Gopal Gaonkar Memorial Multi faculty College, Dharbandora, Goa.

Dr. Joydeep Bhattacharjee, Government College of Arts, Science & Commerce, Quepem, Goa.

Dr. Blanche R. C. S. Fernandes e Mascarenhas, St. Xavier's College, Mapusa, Bardez, Goa.

Mrs. S. Rajeswari, Vrundavan Institute of Nursing Education, Colvale, Bardez, Goa.

### **University Teachers**

Ms. Yma F. Pinto, Goa Business School, Goa University.

Dr. Prakash Parienkar, Department of Konkani, Goa University.

Dr. Joanna Pereira Coelho, Department of Sociology, Goa University.

Dr. Anjali Chaubey, Department of English, Goa University.

Dr. Nitin S. Sawant, Department of Zoology, Goa University.

### **Representatives of the SC/ST Category**

Ms. Heena Subrai Gaude, Goa Business School, Goa University.

### **Elected Members**

Dr. Naguesh Colvalker, V.M. Salgaonkar College of Law, Miramar, Panaji, Goa.

Prof. Anthony Rodrigues, Fr. Agnel College of Arts & Commerce, Pilar, Goa.

Dr. Uday N. Kudalkar, Goa Medical College, Bambolim, Goa.

Dr. Vinod Joshua, S.S. Dempo College of Commerce & Economics, Altinho, Panaji, Goa.

Dr. Suraj M. Popker, Cuncolim Educational Society's College of Arts & Commerce, Cuncolim, Goa.

Dr. Cosma Fernandes, MES College of Arts & Commerce, Zuarinagar, Goa.

Dr. Gunaji Sadanand Desai, Parvatibai Chowgule College of Arts and Science, Margao, Goa.

Prof. Seema P. Salgaonkar, Govt. College of Arts, Science & Commerce Khandola, Marcela, Goa.

Prof. Fakruddin M. Nadaf, DPM's Shree Mallikarjun & Shri Chetan Manju Desai College, Delem, Canacona, Goa.

Mr. Shekar V. Sawant, S.V.V. M's College of Commerce, Shirshire, Borim, Ponda, Goa.

Dr. Harsha P. Uskaikar P. E. S's R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa.

Mr. Ashok Chodankar, Govt. College of Arts, Science & Commerce, Sanquelim, Goa.

Dr. Rajesh Manohar Pednekar, Dnyanprassarak Mandal's College and Research Centre, Assagao, Bardez, Goa.

Prof. Janet Fernandes e De Souza, St. Xavier's College, Mapusa, Goa.

#### **Nominees of the Chancellor**

Prof. R. C. Kuhad, Vice-Chancellor, Central University of Haryana, Jant-Pali, Mahendergarh, Haryana - 123031.

Prof. Rajpal Singh, Former Professor and HoD, Maths, Statistics, JVC Campus, CCSU, Meerut, (U.P.), R/o. D/9, New Minal Residence, J. K. Road, Bhopal - 462023.

Dr. Radhika S. Nayak, Professor and Principal, DCT's S.S. Dempo College of Commerce & Economics, Cujira, Bambolim, Goa - 403202.

Dr. Bhushan Bhawe, Associate Professor & Head, Department of Konkani, P.E.S.'s R.S.N. College of Arts and Science, Farmagudi, Ponda, Goa - 403401.

Dr. Purnanand Chari, Assistant Professor, Department of Konkani, DPM's Shree Mallikarjun & Shri Chetan Manju Desai College, Delem, Canacona, Goa - 403702.

#### **Members**

Director, CSIR-National Institute of Oceanography, Dona Paula, Goa. (Ex-Officio)

Chairman, Goa Board of Secondary & Higher Secondary Examination, Porvorim, Goa. (Ex-Officio)

Controller of Examinations, Goa University. (Ex-Officio)

Librarian, Goa University. (Ex-Officio)

Director, Directorate of Internal Quality Assurance, Goa University. (Ex-Officio)

President, Goa University Students Council, Goa University.

President, Post-Graduate Students Union, Goa University.

Registrar, Goa University. (Ex-Officio)

### **1.4. MEMBERS OF THE PLANNING BOARD ---**

### **1.5. MEMBERS OF THE FINANCE COMMITTEE**

#### **Chairperson**

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

#### **Nominee of the Chancellor**

Shri. Hinesh R. Doshi, Chartered Accountant, Hinesh R. Doshi & Co. LLP, Palai Plaza, 3rd Floor, 9, Kohinoor Road, Opp Hotel Pritam, Dadar (East), Mumbai-400014.

#### **Nominees of the Executive Council**

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

CA Ashish Verlekar, Chartered Accountant, Govinda Building, Panaji-Goa 403 001.

## Members

Registrar, Goa University. (Ex-Officio)

Secretary (Higher Education), Government of Goa, Secretariat, Porvorim, Goa. (Ex-Officio)

Secretary (Finance), Government of Goa, Secretariat, Porvorim, Goa. (Ex-Officio)

Dean, Goa Business School, Goa University. (Ex-Officio)

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

## 1.6. Deans of Faculties/Schools

Sr. No.	Name of Dean	Faculty/School	Dean term up to
1	Prof. Kaustubh Priolkar	School of Physical and Applied Sciences	for a period of three years or until superannuation whichever is earlier
2	Prof. M. S. Dayanand	Goa Business School	for a period of three years or until superannuation whichever is earlier
3	Prof. Sylvia Maria De Mendonca Noronha	Faculty of Social Sciences	for a period of three years or until superannuation whichever is earlier
4	Prof. Harilal B. Menon	School of Earth, Ocean & Atmospheric Sciences	for a period of three years or until superannuation whichever is earlier
5	Prof. Nina Caldeira	Faculty of Languages & Literature	for a period of three years or until superannuation whichever is earlier
6	Prof. Vishnu S. Nadkarni	School of Chemical Sciences	for a period of three years or until superannuation whichever is earlier
7	Prof. Prabhat K. Sharma	Faculty of Life Sciences & Environment	for a period of three years or until superannuation whichever is earlier

## 1.7. Officers of the University

Prof. Varun Sahni

Prof. Y. V. Reddy

Prof. Radhika S. Nayak

Prof. Ramesh V. Pai

Prof. Anuradha Wagle

Dr. V. Gopakumar

Shri. V. L. Sawkar

Shri. M. Shreedhara

Vice-Chancellor

Registrar (till 21/09/2020)

Officiating Registrar (22/09/2020 onwards)

Finance Officer

Controller of Examination

Librarian

University Engineer

Joint Registrar (Administration)

Shri. Donald A. E. Rodrigues	Joint Registrar (Academic)
Shri. Sanjay Bandonkar	Head of Computer Centre
Shri. Satyawan Talwadkar	Dy. Registrar (Finance) on deputation
Shri. Milton L. Fernandes	Assistant Director of Physical Education
Shri. Sangam S. Talaulikar	Executive Engineer
Shri. Anselmo A. T. H. Rosa	System Analyst
Shri. Damodar Manjrekar	System Analyst
Shri. Leo V. Macedo	Deputy Registrar
Smt. Bertha T. A. D'Mello e Daniel	Assistant Registrar
Smt. Maya R. Sawant	Assistant Registrar
Smt. Sita Sara Figueiredo	Assistant Registrar
Shri. Ashok J. Nagarsenkar	Assistant Registrar
Smt. Sandhya S. S. Neurekar	Assistant Registrar
Shri. Amey V. Verenkar	Assistant Registrar
Shri. Audhoot J. Kalangutkar	Assistant Registrar
Ms. Qubilah D'Souza	Assistant Registrar
Ms. Kirti Kashinath Murgaonkar	Assistant Registrar
Shri. Aniketh Arjun Gaonkar	Assistant Registrar
Shri. Ashwin Vyas Lawande	Assistant Registrar
Smt. Teja Shirodkar	Assistant Registrar
Shri. Rajanikant S. Parsekar	Assistant Engineer
Shri. Sachin G. Sinai Narvekar	Assistant Engineer
Shri. Vamon Bandonkar	Assistant Engineer
Shri. Sachin K. Sambhaji	Assistant Director (Engineering)
Shri. Sachin K. Patil	Assistant Director (Engineering)
Shri. Abhijit Karpe	Programmer
Dr. Amavel Pereira	Medical Officer
Shri. Anthony Fernandes	Assistant Accounts Officer (On deputation)
Shri. Madhusudan Lanjewar	Technical Officer-I
Dr. Vikrant P. Malwankar	Assistant Librarian
Shri. Nandkishore Bandekar	Assistant Librarian

### **University Employees Co-operative Credit Society**

Shri. Eknath Sawant – Chairman
Shri. Renato Dias – Vice-Chairman
Shri. Gajanan Lingudkar – Secretary
Smt. Nayan Naik – Treasurer
Shri. Nanda Gawas – Member
Shri. Gangaram Naik – Member
Smt. Prarthana Naik – Member
Shri. Gautam Mhapankar – Member
Shri. Dilip Agapurkar – Member



### **Executive Committee of the Goa University Non-Teaching Employees Association (GUNTEA)**

Shri. Nanda Gawas, President

Shri. Renato Dias, Vice-President

Shri. Godwin Afonso, General Secretary

Shri. Paresh Naik, Joint Secretary

Shri. Gajanan Lingudkar, Treasurer

Smt. Suhana Malik, Member

Shri. Sunil Naik, Member

Shri. Premanand Desai, Member

Shri. Shaikh Usman Ali, Member

Shri. Gautam Mhapankar, Member

### **Executive Committee of the Goa University Teachers Association (GUTA)**

Prof. Nilesh Borde, President

Dr. Rajanala Nirmala, Vice-President

Prof. Sunder Dhuri, Secretary

Dr. Alaknanda Shringare, Joint Secretary

Dr. Nitin Sawant, Treasurer

Dr. Hari Kadam, Member

Dr. Jivan Parab, Member

Shri. Chinmay Ghaisas, Member

### **Executive Committee of the Association of Officers of Goa University (AOGU)**

Shri. Leo V. Macedo, President

Shri. Anselmo A. T. H. Rosa, Vice-President

Smt. Sandhya S. S. Neurekar, Secretary

Shri. Ashok J. Nagarsenkar, Treasurer

Shri. Donald A. E. Rodrigues, Member

Dr. Gopakumar V., Member

Shri. Milton L. Fernandes, Member

Shri. Sachin K. Sambhaji, Member

## **1.8. Meetings of University Authorities and Bodies**

### **Dates of Executive Council Meetings**

14<sup>th</sup> May 2020 (Special Meeting)

26<sup>th</sup> May 2020 (Special Meeting)

10<sup>th</sup> July 2020

1<sup>st</sup> October 2020

26<sup>th</sup> October 2020

22<sup>nd</sup> December 2020

5<sup>th</sup> February 2021

12<sup>th</sup> March 2021

31<sup>st</sup> March 2021 (Special Meeting)

**Dates of Academic Council Meetings**

19 <sup>th</sup> June, 2020	- 17 <sup>th</sup> meeting of the IX <sup>th</sup> Academic Council
23 <sup>rd</sup> , 24 <sup>th</sup> and 27 <sup>th</sup> July 2020	- 18 <sup>th</sup> meeting of the IX <sup>th</sup> Academic Council
22 <sup>nd</sup> , 27 <sup>th</sup> October 2020	- 1 <sup>st</sup> meeting of the X <sup>th</sup> Academic Council
18 <sup>th</sup> , 19 <sup>th</sup> January 2021	- 2 <sup>nd</sup> meeting of the X <sup>th</sup> Academic Council
1 <sup>st</sup> March 2021	- 3 <sup>rd</sup> meeting (Special) of the X <sup>th</sup> Academic Council

**Dates of the Standing Committee Meeting of the Academic Council**

17 <sup>th</sup> and 20 <sup>th</sup> April, 2020	- 11 <sup>th</sup> meeting of the IX <sup>th</sup> Standing Committee
12 <sup>th</sup> May 2020	- 12 <sup>th</sup> meeting of the IX <sup>th</sup> Standing Committee
3 <sup>rd</sup> July 2020	- 13 <sup>th</sup> meeting of the IX <sup>th</sup> Standing Committee
4 <sup>th</sup> December 2020	- 1 <sup>st</sup> meeting of the X <sup>th</sup> Standing Committee
25 <sup>th</sup> February 2021	- 2 <sup>nd</sup> meeting of the X <sup>th</sup> Standing Committee

**Date of Planning Board Meeting ---****Date of Court Meeting**

31<sup>st</sup> March 2021

## **PART 2**

# **UNIVERSITY SCHOOLS/DEPARTMENTS/CENTRES/PROGRAMMES**

## PART 2 UNIVERSITY SCHOOLS/DEPARTMENTS/CENTRES/PROGRAMMES

### 2.1 Faculty of Languages and Literature

# 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 and Francophone Studies	(M.A., Ph. D.)
Department of Portuguese and Lusophone Studies	(M.A., Ph. D.)

#### Faculty Board: (Term until: 21 Sept. 2023)

Dean, Faculty of Languages & Literature	Chairperson (Ex-Officio)
Head, Department of English	Member (Ex-Officio)
Head, Department of Konkani	Member (Ex-Officio)
Head, Department of Marathi	Member (Ex-Officio)
Prof. K. Sripad Bhat	Member (Ex-Officio)
Prof. Anuradha Wagle	Member (Ex-Officio)
Prof. Vrushali S. Mandrekar	Member (Ex-Officio)
Dr. Hanumant Chopdekar	Member
Dr. Irene Conceicao Silveira	Member
Dr. Bipin Bihari Tiwari	Member
Dr. Pedro Manuel Sobral Pombo	Member
Mr. Delfim Correia DaSilva	Member

## Department of English

### Faculty:

*Full-time*

**K. Sripad Bhat**, *Ph.D.*, Professor and Head – Literary Theory, Critical Theory and Cultural Studies

**Nina Caldeira**, *Ph.D.*, Professor – Goa Cultural Studies, Post-colonial Literature, Linguistics, American Literature

**Anjali Chaubey**, *Ph.D.*, Assistant Professor – Indian English Theater, Diaspora Studies, Gender Studies, Translation Studies and Disability Studies

**Andre Rafael Fernandes**, *Ph.D.* (Rtd on 28/02/2021), – Novel, Commonwealth Literature, Language laboratory and Tiatr

**Poorwa Naik**, *M. A.*, Assistant Professor – Indian Literatures in English, Translation Studies, Queer Literature in India, Cultural Studies

**Nafisa Oliveira**, *M. A., L L. M.*, Assistant Professor – Law and Literature, Human Rights, Translation Studies, Goan Writing

### Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Isabel Vas, Rtd.	Dhempe College of Arts and Science	Shakespeare and Theatre	12.02.2021
Prof. GJV Prasad, Rtd.	Jawaharlal Nehru University	Waiting and Reading: Godot in our Lives	05.03.2021
Prof. Dhananjay Singh	Jawaharlal Nehru University	Irish Drama and Nationalism in the Early Twentieth Century: Yeats and Synge	19.03.2021
Prof. Angelie Multani	IIT-Delhi	Leading up to the Dattani Decade: Changes and Transformations in Indian English Theatre	26.03.2021
Prof. Swati Pal	Janki Devi Memorial College	Why is it Tragic? Contextualising Early Modern European Drama	09.04.2021

### Major Thrust Areas:

The major thrust area of the Department is Cultural Studies. The faculty members have researched and published several articles on Cultural Studies.

The Department has been conducting research on a broad range of topics traversing interdisciplinary and multidisciplinary topics like Gender Studies, Postcolonial Studies,

Green Cultural Studies, Disability Studies, Tribal Studies and LGBTQIA+.

**Seminars, Conferences, Workshops, etc., organized:** Nil

**Research publications:**

Articles in journals:

- Chaubey, A. (2021). The Subversive Medium of the Novel and a Dalit Narrative: An Analysis of Sangati by Bama. *Sambodhi*, 44.01 (I), 131-135.
- Chaubey, A. N. J. A. L. I. (2021). Indian Translation Traditions: Perspectives from Sujit Mukherjee.

Articles in conference proceedings: Nil

Book chapters: Nil

**Ph.Ds:**

*Degree Awarded: 05*

*Submitted: 01*

*Students on Roll: 15*

Conference Presentations, Lectures, etc.

Conference Presentations, Lectures:

- Chaubey, A. "Bollywood's Dalit: Problematizing Representation and 'Dalit Aesthetics' in Contemporary Mainstream Indian Cinema". The 4th Annual South Asia Conference Ireland India Institute, April 28-30, 2021.
- Oliveira, N. "Speculating Brave New Worlds: A Posthumanist Critique of the Utopias and Dystopias in Electric Dreams vis-à-vis Black Mirror". International Interdisciplinary Virtual Conference on Living in the End Times: Utopian and Dystopian Representations of Pandemics in Fiction, Film and Culture. 13-15 Jan, 2021. Cappadocia University, Turkey.

Lectures on other occasions:

- Bhat, S. "Environment and Literature". National webinar. Dept. of English, Bhanadarkar's College, Kundapura, Karnataka on August 30, 2020.
- Bhat, S. "Sanskriti/Culture". National Webinar. St. Aloysius College, Mangalore on 26 November, 2020.
- Bhat, S. "Modernity and Yakshagana". National Seminar. St. Aloysius College, Mangalore on 10 April, 2021.

## Department of Hindi

### Faculty

#### Full-time

**Vrushali S. Mandrekar**, *Ph.D.*, Professor and Head – Short Story, Comparative Literature & Translation.

**Bipin Bihari Tiwari**, *Ph.D.*, Assistant Professor – Hindi Story, Hindi Criticism

**Sweta Prasad Govekar**, *M.A.*, Assistant Professor – Media & Journalism, Hindi Novels

**Mamta Deepak Verlekar**, *M.A.*, Assistant Professor – Hindi Poetry, Drama, Literary Criticism

**Deepak Prabhakar Varak**, *M.A.*, Assistant Professor - Drama, Comparative literature, Translation, History of Hindi literature: Aadhikal, Bhaktikal, Ritikal

**Manisha Chimano Gaude**, *M.A.*, Assistant Professor – Hindi Story, Literature: Thought and Philosophy; History of Hindi Literature: Aadikal, Bhaktikal and Ritikal, Modern Poetry

**Aditya Dayanand Sinai Bhangui**, *M.A.*, Assistant Professor – Linguistics, Hindi Grammar, Translation, Indian Poetics, Media & Journalism

### Major Thrust Areas and Achievements:

#### Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs )
Prof. Vrushali S. Mandrekar	Completed	Translated 'Tamas' into Konkani	Sahitya Academy	25,000 /-

#### Visiting Scholars:

Name of the scholar	Institution	Title of Lecture	Date
Dr. Bipin Tiwari	Carmel College of Arts, Science and commerce of Women, Nuvem, Goa	Mushi Premchand Ka Katha Sahitya Me Samajik Sarokar	30.07.2020
	Goa University	Book- U.P. 65, Writer: Nikhil Sachan	30.10.2020
Ms. Mamata Verlekar	Sant Sohirobanath Ambye, Government College of Arts, Science & Commerce, Pernem	Rashtriya aur vaishvik star Par Hindi	30.09.2020
	National Bank for Agriculture and Rural Development (Goa Regional Office)	Sahitya aur Hamara Samai	14.09.2020

	Goa University	Mahadevi Verma Kriti Shrunkhala Ki Kadiya	31.08.2020
Ms. Manisha Gaude	Goa University	'Premchand Se Meri Pehli Mulakat'	29.07.2020
	Goa University	Arun Prakash: Nimn Varg Ki Trasadi Ke Katha Kaar	27.11.2020
	St. Michal Higher Secondary School, Taleigao	'Hindi Bhasha Evam Mahatva'	19.09.2020
Mr. Aditya Bhangui	Manohar Media -Shabd Srishti	Shabd Srishti - Poem Presentation	01.07.2020
	Ganpat Parsekar College, Harmal	Anuvad Kala	01.12.2020
	Goa University	Shabdo Ka Sahi Prayog	29.01.2021
	RBI, Patto Panaji	Hindi Ki Vartani	18.01.2021

### Seminars, Conferences, Workshops etc. organized

Programme	Date
'Premchand Se Meri Pahli Mulakat' delivered by resource persons i) Dr. Pradeep Kumar, Theatre Artist, Delhi ii) Dr. Ramita Gurav, Assoc. Prof., Hindi Dept, St. Xaviers College Mapusa Goa.	30.07.2020
Online discussion sessions: 'VAICHARIKI'	
Mahadevi Verma Kriti Shrinkhala Ki Kadiya	31.08.2020
Book- U.P. 65, Writer: Nikhil Sachan	30.10.2020
Aadivasi Kavya Mei Mithak, delivered by Poet, Critic – Anuj Lugun	24.11.2020
Arun Prakash: Nimn Varg Ke Trasadi Ke Katha Kaar	27.11.2020
Shabdo Ka Sahi Prayog	29.01.2021
Samay Samaj aur Akhyan delivered by famous writer, editor- Shri Akhilesh	26.02.2021

### Research Publications:

*Articles in journals (\* Impact Factor/ Cite Score Journals)*

Verlekar M. (2020). Jaag, Ank-2, year 47 - 'Laprek Mogan Shaar Javap Gadyache Ek Nave Roop, pp. 14.

*Book Chapters:* Nil

*Books:* Nil

### Ph.Ds:

*Degrees Awarded:* 02

*Submitted:* Nil

*Students on roll:* 01



## Department of Konkani

### Faculty:

#### Full-time

**Hanumant C. Chopdekar**, *Ph.D.* Associate Professor and Head - Literary Criticism, Konkani Language Movement, Indian and Western Poetics, Sociolinguistics Study.

**Prakash S. Parienkar**, *Ph.D.*, Associate Professor - Study of Literature, Konkani Novels, Research Methodology, Eco criticism.

**Krupali Naik**, *M.A.*, Assistant Professor - Feminist Literature, Indian Literature, Bahujan Literature, Konkani Orthography

**Naresh C. Naik**, *M.A.*, Assistant Professor - Konkani Language & Literature, Grameen Literature, Creative writing

**Rama Murkunde**, *M.A.*, Assistant Professor - Linguistics (CPGRI, Pune), Area of Specialization: Linguistics, Translation Studies, feminism, Western Poetics, Sociolinguistics

**Soniya S. Gadkar**, *M.A.*, Assistant Professor - Area of Specialization: Folk Drama, Folk Dance, Folk Literature, Modern Konkani Poetry

**Sanika A. Gaonkar**, *M.A.*, Assistant Professor - Environmental Thought in Literature, Konkani Prose

#### Contractual

**Gorak Sirsat**, *M.A.*, Assistant Professor, Short Story, Study of Poetry, Translation, Film Production

### Visiting scholars:

Sr. No.	Name of the Scholar	Institution	Title of Lecture	Date
01	Dr. Pandurang Phaladesai	Research scholar and writer, Goa	"Perni Jagor: Swarupani Saddyachi Sthiti"	15 <sup>th</sup> December 2020
02	Mr. Zilu Gaonkar	Research scholar and writer, Goa	"Ranmale: Swarupani Khashelpana"	18 <sup>th</sup> December 2020
03	Dr. Jayanti Nayak	Research scholar and Sahitya Academy Awardee, Goa Konkani Academy, Goa	'Konkani Gramin Katha' Sahitya Academy Awardee, Goa Konkani Academy, Goa	16 <sup>th</sup> December 2020
04	Mr. Devidas Gaonkar	Research scholar and Sahitya Academy Awardee, Goa Konkani Academy, Goa	'Paramparik Vevasaiani Graminjin'	17 <sup>th</sup> December 2020

**Seminars, Conferences, Workshops, etc., organized:**

<b>Sr. No.</b>	<b>Programme</b>	<b>Date</b>	<b>Major Sponsors</b>
01	Konkani Vichar Vedika 2020 Resource person: Prof. Kiran Budkule, Prof. Prakash Vazrikar, Prof. Rajay Pawar, Dr. Bhushan Bhawe, Anwasha Singhbal, Shri. Damodar Mauzo, Gwadalup Dias, Melwin Rodriguense, Naman Dhawaskar.	24 <sup>th</sup> July to 14 <sup>th</sup> August 2020	Goa University
02	Poet Shankar Ramani Konkani Poetry Recitation Competition (ONLINE)	Konkani Poetry competition on 08 <sup>th</sup> April 2021	Goa University

**Ph.Ds:***Degree Awarded: 01**Submitted: 01**Students on Roll: 06***Conference Presentations, Lectures, etc.**

- Chopdekar, Hanumant. (29th Ek Bharat Shresht Bharat,) organised by NYKS, Ministry of Youth Affairs, Govt. of India, on 16th December 2020.
- Chopdekar, Hanumant. (Konkani Saunshodhan ani Sandharbhsuchi: Ek Paricharcha) One day Workshop on Research Methodology, organised by Govt. College, Khandola on 10<sup>th</sup> March 2021.
- Parienkar, Prakash. Invited as a Resource person for the one-day workshop on the topic “Research Methodology” organized by Govt. College of Arts, Sci., & Commerce. Marcel – Khandola Goa on 10th March 2021.
- Parienkar, Prakash. Delivered the talk on the topic “How to improve Govapuri” a literary and research magazine published by the Institute Menezes Braganza, Panaji, Goa on 25th March 2021.
- Parienkar, Prakash. “The other side of the Challenges is the Opportunities” organized by Ashawadi Prakashan, All India Konkani Parishad and Uzvaad Fortnightly, Mumbai on 01 May 2021.
- Parienkar, Prakash. Attended and delivered Key note address for the “Kathamritha” digital Konkani Audio book released programme organized by Ashawadi Prakashan, Mumbai on 15th Aug 2020.
- Parienkar, Prakash. Attended 20th Yuva Konkani Sahitya Sammelan as a resource person for “Short story workshop” organized by Goa Konkani, Panaji in collaboration with Govt. College of Arts, Sci., & Commerce. Marcel – Khandola Goa on 31st March 2021.
- Parienkar, Prakash. “Kathapatt-05” attended and delivered a talk on the topic “Rural Stories in Konkani” organized by Ashawadi Prakashan and Uzvaad Fortnightly, Mumbai on 27th Dec. 2020.
- Naik, Naresh. attended and delivered a talk on “Vechik Konkani sahyaprakarantley nave pravah ani lalitetar sahyaya” organised by Dhempe College of Arts and Science, Miramar on 11th March 2020.

### **Seminar and workshop Attended**

- Chopdekar, Hanumant. Attended as a Co-coordinator of “Konkani Vichar Vedika’ a online lecture series on 24th July 28th July, 31st July and 04th Aug., 7th Aug., 11th Aug. & 14th Aug. 2020 on the various topic organized by Department of Konkani, Goa University.
- Parienkar, Prakash. Organized and attended “Konkani Vichar Vedika’ an online lecture series on 24th July 28th July, 31st July and 04th Aug., 7th Aug., 11th Aug. & 14th Aug. 2020 on the various topic organized by Department of Konkani, Goa University.
- Parienkar, Prakash. Attended “Global Konkani Meet” an International online Seminar organized by Ashawadi Prakashan, Mumbai on 27<sup>th</sup> Sept. 2020.
- Parienkar, Prakash. Attended one day webinar on the topic “Marathi Kadambariche Badalte Swarup” on 5<sup>th</sup> Feb. 2021 organized by Department of Marathi, Goa University.
- Naik, Krupali (Konkani Vichar Vedika 2020) organised by the Department of Konkani, Goa University from 24 July to 14 August 2020.
- Naik, Krupali. (Konkani Saunshodhan: Ek Paricharcha) One day Workshop on Research Methodology, organised by Govt. College, Khandola on 10/03/2021.
- Naik, Naresh. Vechik Konkani sahiyaprakarantley nave pravah ani lalitetar sahiya organised by Dhempe College of Arts and Science, Miramar on 11th March 2020
- Naik, Naresh. UGC: Faculty induction program organised by HRDC, Goa University from 9th February 2021 to 16th March 2021.
- Gadkar, Soniya. UGC: Faculty induction program organised by HRDC, Goa University from 9th February 2021 to 16th March 2021.
- Gadkar, Soniya. "Post Covid - 19 Lockdown: Opportunities and Challenges for Education, Industry and Economy"organised by DHE, Porvorim Goa. on 16th May 2020.
- Gaonkar Sanika. UGC: Faculty induction program organised by HRDC, Goa University from 9th February 2021 to 16th March 2021.

### **Book Chapters**

- Chopdekar, H. C. (2020). Samaajbhasvidnyan: Bhashik Adhyayanachem Arvillem Shastra (Research/ Linguistic in Konkani), Goa Konkani Academy, Panjim, Goa.
- Parienkar, P. S. (2021). Varsal (Short Story Collection in Konkani), Jaag Prakashan, Margao, Goa.

### **Student Activities**

- Inaugural Function of ‘Konkani Saraswat Mandal’:  
Inauguration function of ‘Konkani Saraspat Mandal’a student’s association for academic year 2020-21 was held on 27 January 2021. This association works towards the growth of students in a literary manner. The association organizes several poetry recitations, cultural activities seminars, workshops to inculcate importance research and publication among the students.
- Late Shankar Ramani Memorial Intercollegiate Online Konkani Poetry competition:  
Though it was a covid pandemic situation there was a tremendous response for this competition. Students from all over Goa presented their poetry through online medium highlighting various issues pertaining to the society. Total 35 young budding poets

from Goa made their entry into the competition. The first three winners of the competition are as follows: - Mr. Akash Gaonkar, Rajat Hedge, Divya Gawas, Gaurang Naik Gurav, Devita Khule, Siddhant Khandekar and Aniket Naik. The Competition was judged by Mr. Gorak Sirsat and Mr. Amey Naik. The prize distribution was done at the hands of Department head Dr. Hanumant Chopdekar.

- **Published a Wall Paper Antarman:**

Two different Wall Papers were prepared and inaugurated on two separate days. i.e., on the eve of Goa liberation day and also on Shenoji Goembab Jayanti. The publication of the paper encourages the students to get their creativity on the paper in the form poetry, stories, articles and other write ups.

## **Department of Marathi**

### **Faculty**

*Full-time*

**Sunita S. Umraskar**, *Ph.D.*, Associate Professor and Head – Linguistics, Medieval Marathi Literature and Modern form of Literature

**Vinay Madgaonkar**, *M.A.*, Assistant Professor – History of Modern Marathi Literature (1818-1947) & Marathi Translations from Indian Literature

**Chinmay Madhu Ghaisas**, *M.A.*, Assistant Professor - Translation Studies & Comparative Literature, Creative Writing, Professional Marathi & Grammar, Journalism & Mass Media, Marathi Drama, Science fiction in Marathi.

**Bapat Vinayak Alias Vinay Laxman**, *M.A.*, Assistant Professor - Literary Criticism, Ancient Marathi Literature, Marathi Novels

**Purva Pandit Vasta**, *M.A.*, Assistant Professor - Translation Studies, Comparative Literature, Modern Marathi Literature

### **Major Thrust Areas and Achievements:**

Thrust Areas: The thrust areas of the Department include Grammar and Linguistics, Theory of Literature and Translation Studies, Medieval Literature, Christian Marathi Tradition of the 17<sup>th</sup> Century in Goa, Modern forms of Literature, Marathi Literature in Goa, Dalit Literature and Folk Literature, so also Science Fiction in Marathi.

**Projects:** Nil

**Visiting Scholars:** Nil

### **Seminars, Conferences, Workshops etc. organized:**

Programme	Date
National Webinar on Marathi Language and Literature: Application of E-Technology in the field of Study-Teaching	18 June 2020

Organised 'Two-Day Interdisciplinary Workshop on Translation' in collaboration with Dept. of French & Francophone Studies, Goa University	4th & 5th December 2020
Organised 'One-Day National Webinar 'मराठीतील विज्ञान-साहित्य: परंपरा आणि आव्हाने' (Science Literature in Marathi: Tradition and Challenges).	1st March 2021
One day national webinar on the topic changing social reality and Marathi feminist literature	08 March 2021
मराठी कादंबरीचे बदलते स्वरूप	02 May 2021

### Research Publications:

*Articles in journals (\* Impact Factor/ Cite Score Journals)*

- Madgaonkar, V. (2020). छत्रपती शंभूराजांचा गोमंतकातील मराठी शिलालेख. पंचधारा.
- Madgaonkar, V. (2020). शिवोली गोवा येथील लोकनाट्य 'जागर'. तिफण.
- Madgaonkar, V. (2020). ज्ञानेश्वरीतील खगोलविज्ञान (Astronomy) विवरण. Ajanta.
- Madgaonkar, V. (2020). भाषांतरातून अर्थार्जन. Aayushi International Interdisciplinary Research Journal
- Ghaisas, G. (२०२१). जयंत नारळीकर व्यक्ती आणि वाङ्मय' महाराष्ट्र साहित्य पत्रिका त्रैमासिक, महाराष्ट्र साहित्य परिषद पुणे.
- Ghaisas, G. (२०२१). २१ व्या शतकातील भारतीय विज्ञान-मालिका आणि विज्ञान-चित्रपट. पंचधारा.

### Book Chapters

- Madgaonkar, V. (2020). राष्ट्रवाद प्रज्वलित करणारी साहित्यकृती 'गोमंतगाथा'. Nation, Nationalism and Literature.
- Madgaonkar, V. (2021). ज्ञानयोगी. स्वछंद प्रकाशन, कोल्हापूर.

**Books** - Nil

### Ph.Ds:

*Degree Awarded: Nil*

*Submitted: 03*

*Students on Roll: 04*

## Department of French and Francophone Studies

### Faculty:

*Full-time*

**Anuradha Wagle**, *Ph.D.*, Professor and Head (on lien) - Translation, Linguistics, Teaching Methodology, Culture Studies

**Irene Silveira**, *Ph.D.*, Assistant Professor – French and Francophone Literature, Culture

Studies, Diaspora Studies, Sociolinguistics, Didactics of French as foreign language  
**Natasha Maria Gomes, M.A.**, Assistant Professor – French Language Teaching Methodology, Use of ICT, Curriculum Development; Culture Studies  
**Kshama Dattaram Dharwadkar, M.A.**, Assistant Professor – Translation, Linguistics, Phonetics, Mythology, French for specific purposes

*Contractual:*

**Shourya Dalvi, M.A.**, Assistant Professor - French and Francophone Literature, Teaching Methodology, Gender studies, Learning French through creative activities

**Ibha Gupta, M.A.**, Assistant Professor - Children’s literature, Narrative theory, Post colonialism, Gender studies

**Anthony Gomes, M.A.**, Assistant Professor - French phonetics, Francophone studies, French culture, Linguistics, French Literature

**Major Thrust Areas and Achievements:**

*Thrust Areas:*

French and Francophone Literature, Translation Studies, Linguistics, Teaching Methodology, Cultural Studies, Diaspora studies, Mythology, Socio-linguistics

**Seminars, Conferences, Workshops, etc., organized:**

<b>Programme</b>	<b>Date</b>	<b>Major Sponsors</b>
Art, Actualité et Activisme by Natasha Gomes	15 March 2021	Goa University
Faire un-Film aujourd’hui en France by Pierre Filmon, a French film director	9 March 2021	Goa University
Actualité Activisme et Art by Louise Lecourt - Richard	9 March 2021	Goa University
La Peste/The Plague, Lecture et réflexions by Dr Edith Melo Furtado	9 March 2021	Goa University
Le Québec dans Sa Liberté actuelle by François Paradis, Director Bureau de Québec.	16 March 2021	Goa University
Art, Actualité et Activisme by Natasha Gomes	15 March 2021	Goa University
Art, Actualite Activism by Natasha Gomes	17 March 2021	Goa University
Notre Dame de Paris, un roman monument by Roshito Cotta and Irene Silveira	15-25 February 2021	Goa University

## Research Publications:

### Articles in journals:

- Silveira, I. (2021). Culinary Representations in Nineteenth-Century French Literature: Markers of Social Stratification. *Kruti*, 3(2), 25-32.
- Dalvi, S. (2020). Huis Clos des femmes, *Caraiveti - Démarche de sagesse*, 3(2)
- Dharwadkar, K. D. (2020). The indispensable role of ICT in language learning during the COVID 19 pandemic, *Solid State Technology*, 63(2).

## Conference proceedings:

- Gomes N., Wadhwa D., Sahasrabudhe S., (2020) Participatory Role of Discussion Forum Moderators in Learner-Centric MOOCs, 28th International Conference on Computers in Education, Workshop Proceedings, 2, 286-291.
- Gomes N., Wadhwa D., Sahasrabudhe S., (2020) Technological and Pedagogical aspects of a communication tool: An immersive learning experience, 28th International Conference on Computers in Education, Workshop Proceedings, 2, 358-367.

## Ph.Ds:

*Degree Awarded: Nil*

*Submitted: Nil*

*Students on Roll: 06*

## Conference Presentations, Lectures, etc.

### Conference presentations/ lectures

- Wagle, A. (2020). La parole est aux grenouilles- approche pragmatique pour traduire la poésie sonore. 7th National Congress and 1st Webinar on L'Oralité: l'univers de la parole: du traditionnel au numérique. Indian Association of Teachers of French. 26-28
- Silveira, I. (2020). De quelle couleur est le Petit Chaperon Rouge? 7th National Congress and 1st Webinar on L'Oralité: l'univers de la parole: du traditionnel au numérique. Indian Association of Teachers of French. 26-28
- Silveira, I. (2021). Les Rendez-vous de l'IFI. Journée internationale des droits des femmes. Institut français en Inde.
- Silveira, I. (2021). Les Rendez-vous de l'IFI. Littérature francophone au féminin. Institut français en Inde.
- Silveira, I. (2021). Notre Dame de Paris. RUSA Guest lecture series. St. Xavier's College, Mumbai.
- Silveira, I. (2020). Fêtes et festivals à Goa. Culture(s): Inde fabuleuse, Programme Arts, lettres et communication. du Cégep de Chicoutimi, Quebec, Canada.
- Gomes, N. (2020). La conscience verte: une lecture écocritique des contes folkloriques de Goa. 7th National Congress and 1st Webinar on L'Oralité: l'univers de la parole: du traditionnel au numérique. Indian Association of Teachers of French.
- Gomes, N., Wadhwa, D., Sahasrabudhe, S., (2020). Participatory Role of Discussion Forum Moderators in Learner-Centric MOOCs. 9th International Workshop on ICT Trends in Emerging Economies (WICTTEE 2020). ICCE, Asia-Pacific Society for Computers in Education (APSCE).
- Gomes, N., (2020). Active Learning. FDP on Online Teaching-learning Pedagogy organised by MIT-ADT University
- Gomes, N., (2020). Effective Learner Engagement in Discussion Forums. Teaching Associates of NPTEL courses
- Gomes, N., (2020). Designing Learner-Centric E-content. FDP organised by Vasanta



College for Women, Varanasi

- Gomes, N., (2020). Designing Learner-Centric E-content. FDP organised jointly by EICT Academics NIT Patna, MNIT Jaipur
- Gomes, N., (2020) Designing Learner-Centric E-content. STTP on LMS enabled Teaching and Learning organised by C.K. Pithawala College of Engineering and Technology
- Gomes, N., (2021). Designing Learner-Centric E-content. 126th Faculty Induction Programme organised by HRDC, Panjab University, Chandigarh
- Dalvi, S., (2021). Une Analyse des traductions Konkani de L'Avare et de Le Médecin Malgré Lui de Molière. National conference on Rencontre, Réception, Ressemblance interactions Indo-françaises et Franco-indiennes. Center for French and Francophone Studies, Jawaharlal Nehru University, Delhi, India
- Dalvi, S., (2021). La Représentation des femmes en Inde et en Afrique de l'Ouest. International conference on Dialogue authentique entre la Russie et le monde francophone dans l'espace culturel, linguistique et littéraire. Ministère de la science et de l'enseignement supérieur de la Fédération de Russie. Établissement d'enseignement supérieur d'Etat Université linguistique d'Etat de Moscou Federal State Budgetary Educational Institution of Higher Education Moscow State Linguistic University (MSU). Faculté de langue française
- Dharwadkar, K. D., (2021). La traduction - un médium osmotique entre les langues et les cultures. 6ème colloque T&R Théories & Réalités en Traduction & Rédaction. L'Université Technique de Yıldız [Istanbul, Turquie] en partenariat avec la KU Leuven [Anvers, Belgique], l'Université de Bretagne Occidentale [Brest, France], l'Università Suor Orsola Benincasa [Naples, Italie] et l'Università degli Studi di Udine [Udine, Italie]
- Dharwadkar, K. D., (2021). Le genre et la guerre dans Les Hirondelles de Kaboul. Dialogue authentique entre la Russie et le monde francophone dans l'espace culturel, linguistique et littéraire. Ministère de la science et de l'enseignement supérieur de la Fédération de Russie Etablissement d'enseignement supérieur d'Etat, Université linguistique d'Etat de Moscou, Federal State Budgetary Educational Institution of Higher Education «Moscow State Linguistic University»(MSLU), Faculté de langue française.
- Dharwadkar, K. D., (2021) L'échange interculturel par la traduction - une étude critique de Buva Tethem Baya de P. K. Atre. Rencontre, reception et ressemblance. Interactions indo françaises et franco indiennes. Centre for French and Francophone Studies, Jawaharlal Nehru University.
- Dharwadkar, K. D., (2020). Le rôle des femmes dans l'art folklorique de Dhalo à Goa. 37ème Congrès National et 1er Congrès en ligne de l'IATF. ITAF.
- Dharwadkar, K. D., (2020). Karna. Culture(s): Inde fabuleuse. Arts, lettres et communication du Cégep de Chicoutimi, Québec.
- Dharwadkar, K. D., (2020). Explorer les rubriques de la traduction - juxtaposition de Le Petit Prince avec ses traductions anglaise et Konkani. Etude des langues romanes à l'époque du polylinguisme-2020. Ministère de la science et de l'enseignement supérieur de la Fédération de Russie Etablissement d'enseignement supérieur d'Etat, Université linguistique d'Etat de Moscou, Federal State Budgetary Educational Institution of Higher Education «Moscow State Linguistic University»(MSLU), Faculté de langue française.
- Dharwadkar, K. D., (2020). A critical study of Molière's L'Avare and its Marathi and Konkani translations. International Online Conference - Issues and Challenges in Translation and Translation Studies in Russian and South Asian Languages. Russian State University for Humanities, Russia, Institute of Asian and African Countries M. V.



Lomonosov Moscow State University, Russia, Krishna Kanta Handiqui State Open University, India, Centre of Russian Studies, SLL&CS, Jawaharlal Nehru University, India, with the support of Russian Centre of Science and Culture, Mumbai.

- Dharwadkar, K. D., (2020). The indispensable role of ICT in language learning during the COVID 19 pandemic. First Online International Conference on Continuity, Consistency and Innovation in Applied Sciences and Humanities (ICCIASH-2020). Department of Science and Humanities of St. Martin's Engineering College, Dhulapally, Secunderabad, T.S., India.
- Dharwadkar, K. D., (2020). The indispensable role of ICT in education during the COVID 19 pandemic. One Day International Multi-Disciplinary Conference on Current Trends, Policies & Issues in the field of Commerce, Management, Economics, Law & Social Sciences. M. B. Harris College of Arts and A. E. Kalsekar College of Commerce and Management, Mumbai.
- Gomes, A., (2021). La femme e(s)t la cuisine? Department of Foreign Languages, Loyola College (autonomous) Chennai.

## Department of Portuguese and Lusophone Studies

### Faculty:

*Full-time*

**Anthony Viegas**, Head (w.e.f. 15/01/2021), Associate Professor in SEOAS.

**Scarlet Ava Fernandes**, M.A., Assistant Professor – Portuguese Language and linguistics. Creative writing

**Dhruv Sudin Usgaonkar**, M.A., Assistant Professor – Portuguese as an international language, the Lusophone World, Intercultural studies, Cultural Diplomacy & Soft Power

**Loraine Ethel Barreto Alberto**, M.A., Assistant Professor – Indo-Portuguese Literature & Teaching Portuguese as a Foreign Language

**Franz Schubert Agnelo De Miranda Cotta**, M.A., Assistant Professor – Lusophone literature and culture; Translation and cultural studies; Performative arts and traditions

**Delfim Correia da Silva**, M.A., UGC - Assistant Professor/Visiting Faculty (under Indo-Portuguese Cultural Exchange Programme) – Interdisciplinary Portuguese Studies (Teaching Portuguese as Foreign Language, Portuguese Literature and Linguistics)

**Pedro Manuel Sobral Pombo**, Ph.D., Assistant Professor/Visiting Faculty (Term Contract) – Maritime circulations in Indian Ocean, cartography and archives, heritage and material culture. Topographies between Africa and India through textile aesthetics, stories of migration and contemporary art.

### Achievements:

- Scholarship awarded to Asst. Prof. Loraine Ethel Barreto Alberto in April 2021 under the MOBILE 2 BE project to undertake an "Academic Staff" mobility, at Universidade do

Porto - Faculdade de Letras da Universidade do Porto, Portugal.

- Scholarship awarded to Asst. Prof. Franz Schubert Agnelo de Miranda Cotta in December 2020 under the MOBILE UP project to undertake an "Academic Staff" mobility, at Universidade do Porto - Faculdade de Letras da Universidade do Porto, Portugal.
- "Curso de Verão" Scholarship, instituted by Instituto Camões, Portugal, awarded to Asst. Professor Loraine Ethel Barreto Alberto, to attend the Online Summer Course in Portuguese Language, at the University of Minho, Portugal in July 2020.
- "Curso de Verão" Scholarship, instituted by Instituto Camões, Portugal, awarded to Asst. Professor Franz Schubert Cotta, to attend the Online Summer Course in Portuguese Language, at the University of Minho, Portugal in July 2020.
- "Curso de Verão" Scholarship instituted by Instituto Camões, Portugal awarded to Sandarv Raj, student of FYBA to attend the online summer course in Portuguese Language at the University of Lisbon, Portugal in July 2020.
- "Curso de Verão" Scholarship instituted by Instituto Camões, Portugal awarded to Shanta Kumari, student of FYBA to attend the online summer course in Portuguese Language at the University of Porto, Portugal in July 2020.
- "Curso de Verão" Scholarship instituted by Instituto Camões, Portugal awarded to Shruti Gaur, student of FYBA to attend the online summer course in Portuguese Language at the University of Porto, Portugal in July 2020.

#### **Seminars, Conferences, Workshops, etc., organized:**

<b>Programme</b>	<b>Date</b>	<b>Major Sponsors</b>
Webinar - Revisiting Cunha Rivara's life, works and writings Resource persons: Dr. Remy Dias and Prof. José Carlos Tiago Brandão de Oliveira	26 <sup>th</sup> March 2021	Goa University
Webinar - The Goan diaspora's multiple attachments to Goa. Resource person - Dr. Constantino Xavier	22 <sup>nd</sup> March 2021	Goa University
Webinar - Houses of Goa: Are they Indo-Portuguese? Resource person: Heta Pandit	5 <sup>th</sup> February 2021	Goa University
Webinar: Department of Portuguese and Lusophone Studies: an evolving Hub of Portuguese Studies in India. Invited speakers: Dr. Constantino Xavier, Inês Figueira, Prof. Robert S. Newman, Prof. Susana Sardo, Dr. Hugo Cardoso	30 <sup>th</sup> July 2020	Goa University

## **Research Publications:**

### *Journal Articles*

- Pombo, P., (2020). Weaving networks: The Economic decline of Diu and Indian Ocean circulations of the Vanza weavers, *Asian Review of World Histories*. 8(1), 103-127.
- Pombo, P., Cardoso, H. C., (2020) Shining a spotlight in the history of Diu. *Asian Review of World Histories*. 8(2), 203-206.

## **Conference Presentations, Lectures, etc.**

### *Conference presentations/lectures*

- Barreto-Alberto, L., (2020) Esperança (Hope) of Vimala Devi: Patriarchy and Caste Oppression. National Conference on Gender and Caste: Redefining Intersectionality. Dept. of Women's Studies, Goa University.
- Barreto-Alberto, L., (2020) Indo-Portuguese Literature: A Thematic Study of History. Invited Lecture. Department of Comparative Language and Literature, University of Calcutta.

## 2.2 Faculty of Social Sciences

# Faculty of Social Sciences



### Departments and Degrees:

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.)
Department of International Relations	(M.A., M.Phil., Ph.D.)
Department of Women's Studies	(M.A., Ph. D.)
Department of Library and Information Science	(BLISc, MLISc)

### Faculty Board (Term until: 21 Sept. 2023)

Dean, Faculty of Social Sciences	Chairperson (Ex-Officio)
Head, Department of History	Member (Ex-Officio)
Head, Department of Philosophy	Member (Ex-Officio)
Head, Department of Political Science	Member (Ex-Officio)
Head, Department of Sociology	Member (Ex-Officio)
Head, Department of International Relations	Member (Ex-Officio)
Head, Department of Women Studies	Member (Ex-Officio)
Head, Department of Library & Information Science	Member (Ex-Officio)
Prof. Pratima P. Kamat	Member (Ex-Officio)
Prof. Sanjyot D. Pai Vernekar	Member (Ex-Officio)
Shri. Parag D. Porobo	Member
Dr. Arvind N. Haldankar	Member
Dr. Aparna P. Lolayekar	Member
Dr. Joanna Pereira Coelho	Member
Dr. Alakananda P. Shringare	Member

## Department of Sociology

### Faculty:

*Full-time*

**Ganesh Somayaji**, *Ph.D.*, Professor and Head – Social Theory, Sociology of Language, Food and Society

**Joanna Pereira Coelho**, *Ph.D.*, Associate Professor – Sociology of Indian Society, Sociology of Language, Environment and Society

**Arvind Haldankar**, *Ph.D.*, Associate Professor – Tribal Identity, Ethnography, Tribal Movements

**Favita Rochelle Dias**, *M.A.*, Assistant Professor – Caste, gender and sexuality

**Mozinha Fernandes**, *Ph.D., M. A.*, Assistant Professor – Tribal culture, Gender studies

**Ninotchka Mendes**, *M.A.*, Assistant Professor – Tourism in Goa and Livelihood Transitions

### Research publications:

*Articles in journals:*

- Somayaji, G., Coelho, J. (2020). From Homeless Refugees to Semipermanent Settlers: Dynamics of Community Building among the Tibetan Refugees in Bylakuppe, Karnataka, *Kerala Sociologist*, 48(2), 284-300.
- Coelho, J., Somayaji, G., (2021) Fatherland or Livelihood: Value Orientations among Tibetan Soldiers in the Indian Army, *Journal of Human Values*. 27 (3), 225-233.

*Book chapter:*

- Somayaji, G., (2020). Voluntarism, Social Mobilisation, and Women's Empowerment: Self Help Groups and Rural Transformation, in Shalini Suryanaraya, Shathi, G and K. G. Gayatri Devi (Eds.) *Thinking Gender: Socio-Cultural Perspectives*. New Delhi: Concept Publishing Company Ltd.
- Fernandes, M., (2020). Where Have All the Songs and Rituals Gone? in Victor, Rangel-Ribiero, Jose, Lourenco, and Salil Chaturvedi (Eds.) *Panaji: Goa 1556*.

### Ph.Ds:

*Degree Awarded: Nil*

*Submitted: Nil*

*Students on Roll: 04*

### Conference Presentations, Lectures, etc.

*Conference presentations/ lectures*

- Fernandes M. (2020). Presented a paper entitled "Gawdaization of Goa: Gawda Women and Goa's Cultural Identity" in a national conference on Gender and Caste: Rethinking Intersectionality organized by the Department of Women's Studies, Goa University.

*Lectures on other occasions*

- Coelho, J. (2020). Resource Person in a Webinar on Future Strategies to Deepening Indo-

Tibetan Relations and Protest against Chinese Communist Regime organized by the Tibet Support Group.

- Coelho, J. (2020). Discussant in a webinar on The Himalaya Independent Cinema conducted by the Tibet Support Group.
- Haldankar N. (2021). Arvind moderated a Research Session at the one-day International Conference organized on the theme 'Looking at the Pandemic through Gender Lens' by Kandivli Education Society B. K. Shroff College Mumbai autonomous.
- Haldankar N. (2021). Arvind was a resource person for a Faculty Development Programme (FDP) hosted by Internal Quality Assurance Cell (IQAC) of St. Anne's Degree College for Women, Bangalore on 'Coping with Covid-19: Facing Challenges in Online Class and Managing the Family'.
- Haldankar, N. (2020). Arvind, delivered a lecture as a Resource Person on 'Indigenous Communities and the Post-Colonial State' at the National webinar on "Social Transitions on the Post-Independence Period" organized by Laxmibai Bhaurao Patil Mahila Mahavidyalaya, Solapur Maharashtra.

## Department of Philosophy

### Faculty

#### *Full-time*

**Sanjyot D. Pai-Vernekar**, *Ph.D.*, Professor – Medical Ethics

**Koshy Tharakan**, *Ph.D.*, Professor and Head – Philosophy of Social Sciences and Phenomenology

**Rajavi Damodar Naik**, *M.A.*, Assistant Professor -Applied Ethics and Indian Philosophy

**Walter Menezes**, *Ph.D.*, Assistant Professor- Classical Indian Philosophy, Vedanta, Buddhism & Jainism, Philosophy of Religion, Legal Philosophy, Logic & Epistemology

### Major Thrust Areas and Achievements:

#### ***Thrust Areas:***

The research interests of the faculty members cover a variety of philosophical problems, notions and systems in both Indian and Western Philosophy.

### Visiting Scholars

Name of the scholar	Institution	Title of Lecture	Date
Prof. Datta Naik	GB Member, ICPR	Philosophy: Opportunities & Challenges in NEP 2020	19 <sup>th</sup> November 2020
Prof. Sundar Sarukkai	Barefoot Philosophy, Bangalore	Philosophy and its Relation to Education	19 <sup>th</sup> November 2020
Prof. Siby K. George	Indian Institute of Technology, Bombay	The Ethical Treatment of Research Subjects: A social and behavioural Sciences Perspective	29 <sup>th</sup> January 2021
Prof. Dhruv Raina	Jawaharlal Nehru University, New Delhi	Historical Epistemology of the Sciences (1 Credit Course Under VRPP)	19 <sup>th</sup> March 2021 to 26 <sup>th</sup> March 2021

### Seminars, Conferences, Workshops etc. organized

Programme	Date	Major sponsors
The Importance of Philosophy in the NEP 2020	19 <sup>th</sup> November, 2020	ICPR and Department of Philosophy, Goa University
The Ethical Treatment of Research Subjects	29 <sup>th</sup> January, 2021	DRDRN and Department of Philosophy, Goa University

### Research Publications:

*Articles in journals (\* Impact Factor/ Cite Score Journals)*

- Kamat, S., Tharakan, K. (2021). The sacred and the profane: Menstrual flow and religious values. *Journal of Human Values*. 27(3), 261-268.

*Book Chapters:*

- Kamat, N. M., (2021). Implications of Covid-19 for India's geo-biostrategic game plan and new biosecurity doctrine. *Covid, Conspiracy & Causation*. 41-54

*Books:* Nil

### Ph.Ds

*Degrees Awarded:* 01

*Submitted:* 01

*Students on roll:* 13



## Department of History

### Faculty:

*Full-time*

**Nagendra Rao, Ph.D.**, Professor and Head – State Formation, Transcultural Trade, Urbanization, Indo-Portuguese History, Historiography, Maritime History of India, History of Goa

**Pratima P. Kamat, Ph.D.**, Professor – Indo-Portuguese History and Maritime Studies, Gender Studies, History of Goa

**Parag D. Parobo, M.A.**, Associate Professor – Discourse on Nationalism in Goa, Caste Movements and Political Economy of Post-Colonial Goa

**Seema S. Risbud, Ph.D.**, Assistant Professor – Indo-Portuguese History, Decolonisation Movements, Social movements, Gender Studies and Studies in Indian Culture and Heritage

**Nalini Naik, Ph.D.**, Assistant Professor - Political, Social and Economic History of Ancient India, History of Goa, Art and Architecture, Epigraphy and Numismatics, Museum studies

### Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Rao, N.	Ongoing - Granted in 2019	Preliminary Investigation into the Archival Sources relating to Indo-Oman Trade Relationship in the Pre-modern Period in the Goa Archives	National Records and Archives Authority, Sultanate of Oman	26.60

### Visiting scholars (online mode):

Name of Scholar	Institution	Title	Date
Dr. Ravi Kori Shettar	Former Professor, Karnatak University Dharwar	Pre-History of West Coast of India with special reference to Goa	13/02/2021
Dr. Shreekant Jadhav	Former Superintendent Archaeologist, Deccan College, Pune	Origin and Development of Rock cut caves in western India	13/02/2021
Dr. Abhijit Dandekar	Deccan College Post Graduate and Research Institute, Pune	Inscriptions of coastal western India	20/02/2021
Dr. Tejas Garge	Director, Directorate of Archaeology and Museums, Government of Maharashtra	Understanding Transition from Pre-history to History in the light of new archaeological evidence from Konkan	20/02/2021



### **Research publications:**

Articles in journals (\* in WoS/Scopus Journals):

- Rao N., (2020). The Portuguese and Little Kingdoms of Kanara, Portuguese Studies Review, 27(2), 7-25.
- Rao N., (2021). Jews and the cultural milieu of south western India: situating Kanara in Indo-Jewish historiography, Jewish Culture and History, 17-33.

### **Ph.Ds:**

*Degree Awarded: Nil*

*Submitted: 01*

*Students on Roll: 10*

## **Department of Political Science**

### **Faculty**

*Full-time*

**Rahul Tripathi**, *Ph.D.*, Professor and Head – International Political Economy/ South Asia

**Prakash Desai**, *Ph.D.*, Assistant Professor – Political Theory, Modern Indian Political Thought, Democracy and Civil Society, West Asia with reference to Contemporary Political Discourses

**Ravaji Vasant Gaunkar**, *M.A.*, Assistant Professor – Goan Society and Politics, Political Sociology of India

**Alaknanda P. Shringare**, *Ph.D.*, Assistant Professor – Democratic Governance, Public Administration, Rural Development

**Shraddha Shrikant Naik**, *Ph.D.*, Assistant Professor – International Relations, India's Foreign Policy, Interregionalism and BRICS

**Prachi Satyavan Naik**, *M.A.*, Assistant Professor – Political Theory, Language Politics, Cultural Politics, Electoral Politics.

### **Major Thrust Areas and Achievements:**

*Thrust Areas:*

The Department maintained its focus on teaching and research in the areas of Local Government, Indian Democracy and South Asia. A major initiative was its partnership with the Election Commission of India/Chief Electoral Officer, Goa for the creation of e learning content on Democracy and Electoral Management which could be useful for election officers as well as general public. The Department also launched a Certificate Programme in Community Engagement and Rural Development in collaboration with Goa Institute of Public Administration and Rural Development, conducted in both online/offline mode. Department was also made the nodal point for coordinating events on 70<sup>th</sup> Anniversary Celebrations of Indian Constitution.

## Research Publications:

*Articles in journals (\* Impact Factor/Cite Score Journals)*

- Desai, P. S. (2020). [Rajakiya Sullugalu Mattu Corona] (The Political Lies and Corona) (Kannada) (Kembauta)

*Book Chapters*

- Patagundi, S. S., & Desai, P. S. (2020). Karnataka: BJP's spectacular victory over the Congress and JD (S). Sage.
- Tripathi, Rahul (2020) Common Currency in South Asia: An Optimalist Assessment in A.S. Raju, New Futures for South Asia: Commerce and Connectivity, Routledge India.

## Ph.Ds

*Degrees Awarded: 02*

*Submitted: 02*

*Students on roll: 12*

## Department of International Relations

### Faculty

*Full-time*

**Aparajita Gangopadhyay**, *Ph.D.*, Professor and Head – Latin American Studies, International Relations

**Dattesh D. Parulekar**, *M.A.*, Assistant Professor – International Relations and Area studies

**Clara Astarloa**, *Ph.D.*, Assistant Professor (On Tenure) – Spanish Studies

**Almin Cicily Jose**, *Ph.D.*, Assistant Professor – International Relations

**Yugank Naik**, *M.A.*, Assistant Professor – International Relations

### Major Thrust Areas and Achievements:

*Thrust Areas:*

International Relations and Area Studies (South Asian, European, Latin American and Caribbean, Chinese, Maritime Studies and among others).

*Achievements:*

Two students from the M.A. International Studies, Part-II, Mr. Varun Ramesh and Mr. Piyush Mittal Agarwal received Charpak Exchange Scholarship (Autumn Session 2020) and Two students from M.A. International Studies, Part-I, Ms. Divyali Mehrotra and Mr. Srivatsal Subramaniam, received Charpak Exchange Scholarship (Spring Session 2021) offered by Republique Francaise and completed their Semester- III and Semester-II, of Master's Degree, at the Sciences Po Lyon, France, as an Exchange students from Goa University, during the academic year 2020-21.

## Visiting Scholars

Name of the scholar	Institution	Title of Lecture	Date
Dr. Jaganath Panda	IDSA	Strategic Dimensions of India in the Indo Pacific. India Japan Engagement Decoding Strategic Stability and the Quest for Equilibrium in North East Asian Politics India-Australia relations	25/01/2021 27/01/2021 28/01/2021 29/01/2021
Prof. Srikant Kondapalli	JNU	US –China Relations in the Evolving Global Order China’s Hegemonic Rise across the Indo Pacific Decoding ‘TIBET’ in Sino-India Relations Geopolitical Contours of Sino-Indian Competitive Axis across South Asia	01/02/2021 03/02/2021 05/02/2021 08/02/2021
Prof. P.R. Kumaraswamy	JNU	Fundamental Objectives of Israeli Foreign Policy and Strategic Parameters of National Security A Primer on Axes and Fault-lines in Jewish Policy and Society Israel and the ‘Abraham’ Accords Compact: Opportunities and Challenges to Comprehensive ‘Arab-Israeli’	17/02/2021 19/02/2021 22/02/2021 24/02/2021
Prof. Sharad Soni	JNU	Decoding Mongolia in North East Asian Politics	25/02/2021
Dr. Mahesh Ranjan Dabeta	JNU	Role of Xinjiang Autonomous Region  Role of Xinjiang in China’s Silk Road Economic Belt (SREB) and Strategic Connectivity	26/02/2021 01/03/2021
Dr. Vignesh Ram	COVINTS	Understanding ‘ASEAN’: Fifty Years of Regionalism and Impact on South East Asia ASEAN Centrality in Indo-Pacific Geopolitics	02/03/2021 03/03/2021 04/03/2021 05/03/2021

		China-ASEAN Relations 'Singapore-Malaysia- Indonesia' Trilateral Relations	
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### Seminars, Conferences, Workshops etc. organized

Programme	Date	Major sponsors
International Webinar: "Che Guevara: The Man and the Myth"	27 <sup>th</sup> November 2020	Department of International Relations, Goa University and Carmel College for Women, Nuvem, Goa
Webinar: Confluence of Two Seas: The Emerging Geopolitics and Geo-economics of the Indo-Pacific	25 <sup>th</sup> – 26 <sup>th</sup> March 2021	School of International and Area Studies, Goa University and Political Risk and Intelligent Service Management (PRISM)

### Research Publications:

#### Articles in journals (\* Impact Factor/Cite Score Journals)

- Parulekar, D. D., (2021). India's Pandemic Predicament – Gnarled Odyssey of Performance, but Politics too, Russian International Affairs Council (RIAC).
- Parulekar, D. D., (2021). The Quad and its Transmute: Coordinated Cooperation, Convergent Coalition, Capacitive Compact", *FINS Journal of Diplomacy and Strategy*, 4(2), 46-55.
- Parulekar, D. D., (2020). Brazil in the Quad Plus: Incongruous or Extended Drawbridge of the Indo-Pacific? *Journal of Indo-Pacific Affairs*, 3(5), 194-207.

#### Book Chapters

- Gangopadhyay, A. (2020). Argentina, G20 and Beyond: The Outsider Saga, in John Whalley and Manmohan Agarwal, (eds.), *Economics of G20: Country Perspective*, 2, 97-117.
- Gangopadhyay, A. (2020). Gender, Education, and *Programma Bolsa Familia* in Brazil, in Partha Ray and Biju Paul Abraham, (eds.), *The Political Economy of the BRICS: The Quest for Inclusive Growth*. 197-216.

#### Books

- Astarloa, C. (2020), "Edificio L: Orden Literaria William Shakespeare", Padilla Libros Editores & Libreros, Seville. 285

### Ph.Ds

Degrees Awarded: 01      Submitted: Nil      Students on roll: 07

## Department of Women's Studies

### Faculty:

*Full-time*

**Shaila Desouza, Ph.D.**, Professor and Head – Gender, Health, Development, Law and Violence

**Aparna Lolayekar, Ph.D.**, Associate Professor and MA Programme Coordinator- Growth and Development Economics, Gender and Development, Spatial Econometrics and Spatial Data analysis

**Nishtha Desai, Ph.D.**, Assistant Professor– Child Protection, Violence against Women, Literature

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

**Prachi Prabhu, M.Phil.**, Assistant Professor- Feminist History, Community reform, Sexuality and Gender

**Vithai Zaraunkar, M.A.**, Assistant Professor- Gender, Caste and Tribe

*Contractual:*

**Audrick D'Mello, M.A.**, Assistant Professor – Philosophy

### Visiting scholars:

Name of the Scholar	Institution	Title of Lecture	Date
Bindu Vaz	Independent social and environmental activism	Psychological Concerns & Women Coping with Stress	12 Oct. 2020
Nandini Manjrekar	Professor and former Dean, School of Education, Tata Institute of Social Science, Mumbai	Gender Analysis of History from a Feminist Perspective	16 Oct. 2020
Amita Kanekar	Independent Researcher in Architectural History, Novelist and Visiting Faculty at Goa College of Architecture	Understanding of Marginalisation through Space	16 Dec.2020
Gauri Yale	Independent Researcher	Domestic violence faced by women	03 Feb. 2021
Pravin Sabnis	Independent Counsellor	Coping with Challenges an interactive session	04 April 2021

### Major Thrust Areas and Achievements:

*Achievement:*

Prof. Shaila Desouza is appointed for a second term (4 March 2019 to 3 March 2022) as member of the Goa State Commission for Women, Government of Goa

**Projects:** Nil

**Seminars, Conferences, Workshops, etc., organized:**

<b>Programme</b>	<b>Date</b>	<b>Major Sponsors</b>
A National Online Conference was organised on Gender and Caste: Rethinking Intersectionality....	5 and 6 October 2020	Women's Studies Goa University
MOODLE Training – Effective Use of Moodle Application for Online Education	27 May 2020	Women's Studies Goa University
A two-day lecture series on the theme of Gender, Human Rights and Law	24 and 25 March 2021	Women's Studies Goa University
A one-day festival was organised in solidarity with the International One Billion Rising Campaign. The theme for the One Billion Rising Campaign this year is 'Rising Gardens', highlighting "one of the greatest injustices of our time (which) has been the destruction and eradication of Mother Earth, parallel to the ongoing and escalating gender-based violence	19 February 2021	Women's Studies Goa University
MEAR 2021 ('Making Equality a Reality)	08 March 2021	Women's Studies Goa University
Memento showcasing the bio-diversity of Goa University.	08 March 2021	Women's Studies Goa University
Divap Aani Ghevap: 'Exchange of previously-loved goods'	09, March 2021	Women's Studies Goa University
The portrayal of Women in Theater and Cinema (Webinars organised by students)	09 October 2020	Women's Studies Goa University
Human Trafficking: Addressing the Most Vulnerable (Webinars organised by students)	14 October 2020	Women's Studies Goa University
Feminism on the Internet: Opportunities, Challenges and Way Forward (Webinars organised by students)	16 October 2020	Women's Studies Goa University
Hidden Pressure on Young Minds (Webinars organised by students)	21 October 2020	Women's Studies Goa University

## Research publications:

### Articles in journals:

- Lolayekar, A. P.; Desouza, S.; Mukhopadhyay, P., (2020). Crimes against women in India: A district-level analysis (1991-2011). *Journal of Interpersonal Violence*. 37(9-10), NP7289-NP7314.

## Ph.Ds:

*Degree Awarded:* 03

*Submitted:* Nil

*Students on Roll:* 02

## Conference Presentations, Lectures, etc.

### Conference presentations/ lectures

#### Resource Person / Panelist

- Desouza, S., (2020). Resource Person for Refresher Course on Gender Studies and Social Justice for college and university teachers, organised by UGC Resource Development Centre, Gauhati University.
- Desouza, S., (2020). Lecture-cum-workshop on 'Gender Studies for the Foundation Programme in Humanities and Social Studies' organised by the School of Humanities and Social Sciences, IIT, Goa.
- Desouza, S.: 'Gender-Sensitive Policies for a Better Work Environment', V.V.Giri National Labour Institute, Noida, Uttar Pradesh. 05-07 August 2020.
- Desouza, S.: Panelist. *Panel discussion on Status and future prospects of the women's studies centres in North East India*. Indian Association for Women's Studies, North East Zone and Centre for Women's Studies, Dibrugarh University. 28 July 2020.
- Desouza, S.: Gender equity: Agency and empowerment. *National webinar on Gender equity: Agency and empowerment*. Holy Cross College, Ticuchirapalli, Tamil Nadu. 22 July 2020.
- Desouza, S.: Feminist approaches to data collection. *Webinar on FDP 'Engendering Research with Feminist Research Methods'*. Bharathidasan University, Tiruchirappalli. 16-29 June 2020.
- Desouza, S.: Panelist for discussion on *Status of Women's Studies Centres in Western India* organised by Indian Association for Women's Studies and SNDT Women's University, Research Centre for Women's Studies. 25 November 2020.
- Desouza, S.: Awareness Workshop on Prevention, Prohibition and Redressal of Sexual Harassment of Women at Work Place - RBI, Panaji. 01 February 2021.
- Desouza, S.: Chaired session on the *Role of Women's Studies Centres in Higher Education: New Initiatives and New Ideas*, National Virtual Convention of Women's Studies Centres organised by the Indian Association for Women's Studies. 20 February 2021.
- Desouza, S.: Made a presentation at One-Day National Seminar on *Impact of Covid 19: A Gender Perspective*, organised by Department of Geography, Jamia Millia Islamia and Institute of Objective Studies, New Delhi. 8 March 2021.
- Desouza, S.: Resource person for a session on *POSH Act and its Implementation* at program on Gender Sensitisation organised by the ICC, Central University, Kerala for University staff on 25 March 2021.
- Lolayekar, A.: Resource person for the webinar on 'Crime Against Women-COVID 19 Era' on 15/09/2020 organised by Nehru Centre for Women Excellence, Nehru Arts and Science College (Autonomous), Coimbatore in Association with Bharathiar University



- Lolayekar, A.: Resource person for an 'Online Refresher Course in Women's Studies and Women Empowerment' on 19/01/2021 conducted by the UGC's Human Resource Development Centre, Dr. Babasaheb Ambedkar Marathwada University- Aurangabad
- Lolayekar, A.: Presented a paper titled 'District-Level Analysis of Crime Against Women in India' at a Three-day National Conference on Examining Gendered Violence in India, organised by Institute of Development Studies Kolkata, on 24-26 February 2021.
- Lolayekar, A.: e-Content (developed in 4 quadrants) per module
- Contributed modules towards e-content of project *Dishtavo* of the Directorate of Higher Education, Government of Goa, for the period from July to December 2020
- Prabhu, P.: Delivered a lecture at online Faculty Development Program on 'Gender Division of Labour and impact of Covid 19' organized by Barabazar Bikran Turdu Memorial College, Calcutta on 29 July 2020.
- Prabhu, P.: Delivered a lecture at the webinar on Gender Dynamics of a Pandemic' organized by Khudiram Bose College, on 28 August 2020.

#### *Courses attended/Participated*

- Lolayekar, A.: Attended an online course on 'Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials' which was conducted by Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, during 13-06-2020 to 01-07-2020
- Lolayekar, A.: Attended One Week Online Course entitled 'Gender and Development' conducted by BECH-RUSA 2.0 & Department of Women's Studies, Bharathidasan University, Palkalaiperur, Tiruchirappalli from 8th-15th June 2020
- Lolayekar, A.: Participated in the webinar on 'Use of Elsevier Tools for developing Research Workflow and Academic Writing' organized by the Directorate of Higher Education, Goa in collaboration with ELSEVIER on 18th May 2020
- Lolayekar, A.: Participated in the webinar on 'Academic Publishing-Dos and Don'ts' organized by the Directorate of Higher Education, Goa in collaboration with Clarivate Analytics on 12th June 2020.
- Lolayekar, A.: Participated in the webinar on 'How to Write a Great Research Paper, and get it accepted by a Good Journal' organized by the Directorate of Higher Education, Goa in collaboration with ELSEVIER on 3rd June 2020.
- Desai, N.: 'Re-imagining Field Work during times of Global Pandemic', organised by Nirmala Niketan College of Social Work on 10, July 2020.
- Desai, N.: 'Friendship, Same Sex Love and Marriage in Indian Traditions', organised by Sunaparanta Goa Centre, on 22 July 2020
- Desai, N.: 'What is a Good Education?' organised by the Centre for Studies in Gender and Sexuality, Ashoka University, Summer of Ishq Series on 23 July 2020.
- Desai, N.: Gandhian values of Trusteeship most relevant today' organised by Goa University, Goa Business School Masterclasses on 30 July 2020
- Desai, N.: 8/08/2020: '19th Century Women's Writings in Bengal and Maharashtra', organised by Department of Women's Studies, Bharathidasan University, Triuchirappalli Centre for Women's Studies and NSS of Cauvery College for Women (Autonomous), Tiruchirappalli in collaboration with UGC on 08 August, 2020



- Desai, N.: Valedictory lectures by Prof Indu Agnihotri and Dr Seyda Hamid for course on 'Gender, Society, Economy and Polity', Department of Women's Studies, Bharathidasan University, Tiruchirappalli Centre for Women's Studies and NSS of Cauvery College for Women (Autonomous), Tiruchirappalli in collaboration with UGC on 12 August 2020
- Desai, N.: The Second Annual Godavari Parulekar Memorial Lecture – 'Remembering the Warli Movement: History as The Present', organised by Progressive Students' Forum, TISS on 14 August 2020
- Desai, N.: 'Panel Discussion on National Education Policy 2020', organised by Goa Business School, Goa University on 16 August 2020.
- Desai, N.: Two-day International Webinar on 'Re-Writing History – Contemporary Challenges', organised by Shri M.D. Shah Mahila College Post Graduate Department of History (Mumbai) with ICHR on 17-18 August 2020
- Desai, N.: Session on 'Creative Commons License', organised by the Department of French and Francophone Studies, Goa University on 20 August, 2020.
- Pednekar, S.: 107th Online 'Faculty Induction Programme' organized by Human Resource Development Cell, Goa University from –A Grade 22-27 September 2020
- Pednekar, S.: Two days Faculty Development Program on 'Outcome Based Education' organized by Trinity Institute of Professional Studies, Dwarka from 8th September 2020 to 9th September 2020.
- Pednekar, S.: Attended one-week online course on 'Gender and Development' organized by BDU Entrepreneurship, Innovation and Career Hub Foundation and Bharthidasan University, Tiruchirappalli from 8th to 15th June 2020
- Pednekar, S.: Participated in the webinar organized by DHE, Goa on 'How to Write a Great Research Paper' on 3rd June 2020
- Pednekar, S.: National Webinar 2k20 on, 'Strategies to enhance the quality of research in the context of NAAC and NIRF' organized by All Saints' College, Thiruvananthapuram on 5th June 2020
- Pednekar, S.: 1st E-learning workshop on, 'Design, Development & Delivery of online Course' organized by JNU, New Delhi. 11th June to 12th June 2020
- Pednekar, S.: The GIBS Talks: 'Season 1 Roadmap to Higher Education – Post Covid'19 dated 21/6/2020 organized by Gitarattan International Business School, Delhi
- Pednekar, S.: The GIBS Talks – 'Season 1 Roadmap to Higher Education –Post Covid 19' dated 28/6/2020 organized by Gitarattan International Business School, Delhi
- Pednekar, S.: Attended 'International Colloquium on Women in Education' organized by Dada Vaidya College, Ponda on 06 July 2020.
- Pednekar, S.: Attended a National Webinar series on 'Promoting Gender Equality-Strategies and Challenges' webinar 1 on 'Gender Sensitization and Women's Rights' organized by University College for Women, Hyderabad 23 July 2020
- Pednekar, S.: Attended a National Webinar series on 'Promoting Gender Equality-Strategies and Challenges' webinar II on The Gendered Impact of Covid-19 on Girls' Education organized by University College for Women, Hyderabad 25 July, 2020
- Pednekar, S.: Webinar on NEP 2020 organized by GBS, Goa University 16 August 2020.
- Pednekar, S.: Attended 10<sup>th</sup> Asia Pacific Conference on Reproductive and Sexual Health and Rights Siem, Reap, Cambodia- Virtual, held during June-December 2020
- Prabhu, P.: Delivered a lecture at online Faculty Development Program on 'Gender Division of Labour and impact of Covid 19' organized by Barabazar Bikran Turdu Memorial College, Calcutta on 29 July 2020.

- Prabhu, P.: *Delivered a lecture at the webinar on Gender Dynamics of a Pandemic' organized by Khudiram Bose College, on 28 August 2020.*
- Prabhu, P.: 'Faculty Induction Programme' organized by UGC-HRDC Goa University from 22 September – 27 October, 2020.
- Prabhu, P.: Online course on 'Ethnography' organized by Anthropos India Foundation on 18 to 20 June 2020.
- Prabhu, P.: Webinar series 'Rethinking Women's Movement: Questions from contemporary contexts' organized by Women's Studies Centre, Pune University on 17 to 28 August 2020
- Prabhu, P.: Webinar Presentation on 'UGC CARE List of Journals'on 09 June 2020.
- Prabhu, P.: Milli Archives Consortium' organised for International Archives week 09 -14 July 2020
- Prabhu, P.: Webinar on 'How to Publish with Oxford Journals' organised by EBSCO Information Services on 15 July 2020.
- Prabhu, P.: 'Academic Publishing - Dos and Don'ts' organized by Directorate of Higher Education 12 June 2020.
- Prabhu, P.: Online event - Challenge Lecture Series – 'Speaking of Hatred' (10 -17) June, 2020.
- Prabhu, P.: Webinar on 'Reimagining Fieldwork during Pandemic' organized by College of Social Work on 10 July 2020.
- Prabhu, P.: Webinar 'Faith and Feminism; exploring questions of gender and caste' on 25 July 2020.
- Zaraunkar, V.: 'Staying Competitive in a challenging research environment' Elsevier on 18 May 2020.
- Zaraunkar, V.: Webinar on 'Women's Employment and Post COVID Challenges', organised by Madras School of Social Work on 12 June 2020.
- Zaraunkar, V.: Webinar on 'Successful research paper - Concept to Submission' held on 22 June 2020 organised by Goa University
- Zaraunkar, V.: Webinar on 'Speaking of hatred- the adoption of hate as a political tool by states' held on 17-24 June 2020.
- Zaraunkar, V.: Webinar on 'Inter-State Migration', organized by the RCWS, SNDT WU, Mumbai on 30 June 2020.
- Zaraunkar, V.: Webinar on 'Religion, Faith, and Feminist thought', Sangat – A feminist Network on 13 June 2020.
- Zaraunkar, V.: Webinar on 'Heroines from history: new lessons from the past, Sunaprant Goa Centre on 14 July 2020
- Zaraunkar, V.: Webinar on 'Faith and Feminism: Exploring Question of Caste and Gender', Sangat – A Feminist Network held on 25 July 2020.
- Zaraunkar, V.: Webinar on 'Self Care Matters in Mental Health' Organised by Centre for Women's Studies, Central University, Kerela held on 3 August 2020.
- Zaraunkar, V.: Webinar on New Educational Policy 2020, Pinnacle Club, Goa University on 8 August 2020.
- Zaraunkar, V.: Webinar on National Educational policy, Goa Business School, Goa University, 16 August 2020.
- Zaraunkar, V.: Webinar on Angel Investment, organised by Institutions Innovation Council, Goa University, 16 June 2020.

### *Lectures on other occasions*

- Desouza, S.: Lecture-cum-workshop on 'Gender Studies for the Foundation Programme in Humanities and Social Studies' organised by the School of Humanities and Social Sciences, IIT, Goa on 12 December 2020.
- Desouza, S.: 'Gender-Sensitive Policies for a Better Work Environment', V.V. Giri National Labour Institute, Noida, Uttar Pradesh. 05-07 August 2020.
- Desouza, S.: Gender equity: Agency and empowerment. *National webinar on Gender equity: Agency and empowerment*. Holy Cross College, Ticuchirapalli, Tamil Nadu. 22 July 2020.
- Desouza, S.: Feminist approaches to data collection. *Webinar on FDP 'Engendering Research with Feminist Research Methods'*. Bharathidasan University, Tiruchirappalli. 16-29 June 2020.
- Desouza, S.: Awareness Workshop on Prevention, Prohibition and Redressal of Sexual Harassment of Women at Work Place - RBI, Panaji. 1 February 2021.
- Desouza, S.: Chaired session on the *Role of Women's Studies Centres in Higher Education: New Initiatives and New Ideas*, National Virtual Convention of Women's Studies Centres organised by the Indian Association for Women's Studies. 20 February 2021.
- Desouza, S.: Made a presentation at One-Day National Seminar on *Impact of Covid 19: A Gender Perspective*, organised by Department of Geography, Jamia Millia Islamia and Institute of Objective Studies, New Delhi. 8 March 2021.
- Desouza, S.: Resource person for a session on *POSH Act and its Implementation* at the program on Gender Sensitization organised by the ICC, Central University, Kerala for University staff on 25 March 2021.
- Lolayekar, A.: Resource person for the webinar on 'Crime Against Women-COVID 19 Era' on 15/09/2020 organised by Nehru Centre for Women Excellence, Nehru Arts and Science College (Autonomous), Coimbatore in Association with Bharathiar University
- Lolayekar, A.: Resource person for an 'Online Refresher Course in Women's Studies and Women Empowerment on 19/01/2021 conducted by the UGC's Human Resource Development Centre, Dr Babasaheb Ambedkar Marathwada University- Aurangabad
- Prabhu, P.: Delivered a lecture at online Faculty Development Program on 'Gender Division of Labour and impact of Covid 19' organized by Barabazar Bikran Turdu Memorial College, Calcutta on 29 July 2020.
- Prabhu, P.: Delivered a lecture at the webinar on Gender Dynamics of a Pandemic' organized by Khudiram Bose College, on 28 August 2020.

## **Department of Library and Information Science**

### **Faculty:**

#### *Full-time*

**Carlos M. Fernandes, Ph.D.**, Assistant Professor and Teacher In charge. In-Charge University Librarian since 30.06.2021. Management of Library and Information Centers; Research Methodology; Scholarly communication; Digital Content Development and e-publishing;

**Milind C. Mhamal**, *M.L.I.Sc.*, Assistant Professor – Information Processing and Retrieval - Library Classification Theory and Practical; Library Cataloguing Theory and Practical; Electronic Information Sources and services; Marketing of Information Resources and Services.

**Shamin Pereira**, *Ph.D.*, Assistant Professor. Information Retrieval; Fundamentals of Information Technology; Reference and Information Sources; Electronic Information Sources and services; Information Literacy.

**Novelty R. Volvaikar**, *M.L.I.Sc.*, Assistant Professor. Library Automation and Networks; Library Automation Software; Information Technology (Practical), Digital Libraries (Practical) Webometrics, Infometrics & Scientometrics; Information Services and Systems.

**Rohan L. Parab**, *M.L.I.Sc.*, Assistant Professor. Library Information and Society; Digital Libraries – Theory; Information Services and Systems; Digital Information Management; Web 2.0.

### **Major Thrust Areas and Achievements:**

The Department of Library and Information Science is focus on teaching and research in Library and Information Science; Expertise in library management and maintenance; Designed and got it approved a dedicated number for *Asanas & Pranayama* in Library Classification scheme of DDC, from Library of Congress, New York, USA.

### **Research publications:**

*Conference Presentations, Lectures, etc.*

- Fernandes, C. (2021). Guest Faculty for Certificate Course in Library and Information Science, Goa College of Engineering, Farmagudi, Ponda Goa.
- Mhamal, M. (2021). Guest Faculty for Certificate Course in Library and Information Science, Goa College of Engineering, Farmagudi, Ponda Goa.
- Mhamal, M. (2021). Effective use of E-Resources for Quality Enhancement. Workshop on Effective use of E-Resources for Quality Enhancement. Goa Institute of Public Administration and Rural Development.

*Books:*

- Mhamal, M., (2021). *Bhartiya Tatvaginyanachi Ruprekha*. Konkani Translation of “Outline of Indian Philosophy” by M. Hiriyanna. Creative Books, New Delhi.

## 2.3 Faculty of Life Sciences & Environment

# Faculty of Life Sciences & Environment



### Faculty of Life Sciences & Environment (Term until: 21 Sept. 2023)

Dean, Faculty of Life Sciences & 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 Biotechnology	Member (Ex-Officio)
Prof. U. D. Muraleedharan	Member (Ex-Officio)
Prof. Savita S. Kerkar	Member (Ex-Officio)
Prof. Bernard F. Rodrigues	Member (Ex-Officio)
Prof. Malapati K. Janarthanam	Member (Ex-Officio)
Prof. S. Krishnan	Member (Ex-Officio)
Prof. Vijaya U. Kerkar	Member (Ex-Officio)
Dr. Pooja Dua-Chaudhari	Member
Dr. Dharmendra Kumar Tiwari	Member
Dr. Rupali R. Bhandari	Member
Dr. Nitin S. Sawant	Member
Dr. Milind Mohan Naik	Member

### Departments and Degrees

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

## Department of Botany

### Faculty:

#### *Full-time*

**S. Krishnan, Ph.D.**, Professor and Head – Plant Histochemistry, Phytochemistry, Bioprospecting, Plant Biotechnology.

**Bernard F. Rodrigues, Ph.D.**, Senior Professor – Cytogenetics and Plant Breeding, Mycorrhizae, Reclamation of mining wastelands. Documentation of Medicinal Plants, Plant Tissue culture.

**Prabhat Kumar Sharma, Ph.D.**, Professor – Molecular Plant Stress Physiology, Climatic Changes and Crop Productivity, Bioprospecting.

**Malapati K. Janarthanam, Ph.D.**, Professor – Systematics of Angiosperms, Endemic flora of Western Ghats, Biodiversity.

**Vijaya U. Kerkar, Ph.D.**, Professor – Algae and Pteridophyta.

**Rupali Bhandari, Ph.D.**, Assistant Professor – Algal Physiology, Biochemistry and Biotechnology.

**Siddhi Jalmi, Ph.D.**, Assistant Professor – Plant Microbe Interaction, Plant Signaling.

### Major Thrust Areas and Achievements:

*The major thrust areas and research interest of the department are:*

- Biodiversity (Algae, Fungi, Bryophytes, Pteridophytes and Higher Plants).
- Molecular Plant Stress Physiology, Climatic Changes and Crop Productivity.
- Plant Biotechnology, Plant Tissue Culture, Plant Molecular Biology and Genetic Engineering.
- Mycorrhiza and its applications.
- Plant Developmental and Functional Biology.
- Algal Physiology and Biochemistry
- Plant-Microbe Interaction and Plant Cell Signaling.
- Plant Histochemistry and Phytochemistry.
- Bio-prospecting.

Training of competent human resources for teaching and research and strengthening of facilities for Botany education. Documentation of Biodiversity (Algae, Fungi, Bryophytes, Pteridophytes and Higher Plants) from the State of Goa and Western Ghats. Maintenance of Plant Herbarium and Fungus Culture Collection. Development of Biotechnological expertise in areas of Plant Micropropagation, Bioremediation and Mycorrhizal Bioinoculants. Consultancy in the areas of eco-conservation and environmental management. Reputation in society as a proactive Department having close links with NGOs, industries, media and the government Departments. Novel AM fungal species have been identified and published from the State of Goa. Besides, the Department houses an AM fungal culture collection.

### *Achievements:*

- M. K. Janarthanam: A grass species has been named by peers as "*Ischaemum janarthanamii*" by Bokil *et al.* (2020)



**Awards:**

- M. K. Janarthanam: State Teacher Awards for Excellence in Higher Education for the year 2020-21 by the Directorate of Higher Education, Government of Goa.
- B. F. Rodrigues: Prof. R. P. Purkayastha Memorial Award 2021 (Indian Mycological Society)

**Projects:**

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Krishnan, S.	June 2018 - June 2021	Histochemical and Biotechnological Characterization of High Value Medicinal Plants <i>Annona muricata</i> and <i>Rauvolfia verticillata</i> from the Western Ghats of India.	CSIR, New Delhi	21.21
Krishnan, S.	Aug. 2017 - Aug. 2020	Dye yielding plants of Goa and their potential use in biological and textile staining.	DSTE, Govt. of Goa	7.5
Rodrigues, B. F.	June 2017 - June 2020	Screening for Efficient Microbial Consortium for Yield Improvement in <i>Vigna unguiculata</i> (L.) Walp.	DSTE, Govt. of Goa	11.15
Rodrigues, B. F.	April 2019 - March 2021	Mangrove Mapping of coast of Goa - Space Applications Centre (SAC), Co-investigator.	ISRO	8.00

**Research Publications:**

- Naik, A. V., Krishnan S., (2021). Screening antioxidant activity by *in-situ* HPTLC-DPPH assay and *in-vitro* cytotoxic assessment of *Annona muricata* L. plant organ extracts on MCF-7 and SCC-40 cell lines. *Vegetos*. 34(3), 709-718.
- Fernandes M. C., Krishnan S., (2020). *Strobilanthes callosa* Nees, an Alternative for the Vulnerable, High-Market Medicinal Plant *Strobilanthes ciliata* Nees, Endemic to Western Ghats of India. *Phytomorphology* 70 (3 & 4) 117-122.
- Verenkar, N.G.S. and Krishnan, S. (2020). Extraction of natural dye from *Mammea suriga* and evaluation of dyeing potential on silk and cotton fabrics. *Indian Journal of Fibre and Textile Research*, 45: 402-410.

- Verenkar, N.G.S. and Krishnan, S. (2020). Evaluation of natural dyes *Curcuma longa* and *Nyctanthes arbor-tristis* with different mordants on plant tissues under fluorescence microscopy. *Microscopy Research and Technique*, 1-10.
- Naik, A. V., Dessai, S. N., & Sellappan, K. (2021). Antitumour activity of *Annona muricata* L. leaf methanol extracts against Ehrlich Ascites Carcinoma and Dalton's Lymphoma Ascites mediated tumours in Swiss albino mice. *Libyan Journal of Medicine*, 16(1).
- Naik, A. V., & Sellappan, K. (2021). Assessment of Genotoxic potential of Annonacin and *Annona muricata* L. extracts on human breast cancer (MCF-7) cells. *Advances in Traditional Medicine*, 21(4), 779-789.
- Naik, A. V., & Sellappan, K. (2020). In vitro evaluation of *Annona muricata* L. (Soursop) leaf methanol extracts on inhibition of tumorigenicity and metastasis of breast cancer cells. *Biomarkers*, 25(8), 701-710.
- Naik, A. V., & Sellappan, K. (2020). Chromatographic fingerprint of essential oils in plant organs of *Annona muricata* L. (Annonaceae) using HPTLC. *Analytical chemistry letters*, 10(2), 214-226.
- Bhandari R., Sharma P. K. (2021) Effect of UV-B radiation on physiological and biochemical changes in a freshwater cyanobacterium, *Scytonema hofmannii*. *Environmental and Experimental Biology*. 19: 89–96.
- Srivastava S., Sharma P., (2021) Morpho Physiological and biochemical tolerance mechanism in two varieties of *Oryza sativa* to salinity. *Rus. J. Plant Physiology* 69 (2). 1.482
- Randive, P., Mishra, G. K., Nayaka, S., Upreti, D. K., & Janarthanam, M. K. (2021). Pyrenocarpous lichens in Goa with five new records to India. *Plant Science Today* 8(4), 889-899.
- Mohapatra, A. & Janarthanam, M. K., (2020). Cystolith micromorphology in selected taxa of *Ficus* L. (Moraceae) in India and its taxonomic implications. *Phytotaxa*, 436(2), 167-181.
- Mohapatra, A., Sudhakar, J.V., Janarthanam, M. K., (2020). Extended distribution of *Ficus costata* Aiton (Moraceae) in Western Ghats, India. *Feddes Repertorium* 131(1): 69-71.
- Palkar, R. S., Janarthanam, M. K., Sellappan, K., (2020). Prediction of Potential Distribution and Climatic Factors Influencing *Garcinia indica* in the Western Ghats of India Using Ecological Niche Modeling. *National Academy Science Letters* 43(6), 585-591.
- Biju, P., Josekutty, E. J., Janarthanam, M. K., Jomy, A., (2020). *Utricularia sainthomia* (Lentibulariaceae), a new remarkable carnivorous species from the lateritic plateau of northern Kerala, India. *Rheedea* 30(2), 270-277.
- Gupta, P., Randive, P., Nayaka, S., Daimari, R., Joseph, S. & Janarthanam, M. K., (2020). New records of graphidoid and thelotremoid lichens from India. *Mycotaxon*, 135(2), 345-354.
- Tiwari, P.; Sharma, P. K. (2021). Effect of temperature on fatty acid profile of *Nostoc spongiaeforme* (freshwater) and marine water *Nostoc calcicola* (marine water): A comparative study. *Journal of Stress Physiology & Biochemistry*. 17(4), 119-125.
- Sawant, A.; Rodrigues, B. F, (2020). Biodegradation of residual petroleum hydrocarbons by using fungal endophytes from the mangrove ecosystem. *Journal of Advanced Scientific Research*. 11(4), 257-264.
- Sawant, A.; Rodrigues, B. F. (2020) Isolation and identification of phosphate (P) solubilizing halophytic fungal endophytes. *Kavaka*. 55, 71-76.



- Kripa, M. K.; Lele, N.; Panda, M., Das, S.K.; HariNivas, A.; Divakaran, N., Sawant, A.; Naik-Gaonkar, S., Pattnaik, A. K., Samal, R.N., Thangaradjou, T., Saravanakumar, A., Rodrigues, B. F., Roy, S. D., KirubaSankar, R., Kumar, L., Angel, R. J., Raghavan, P., Mankad, A.U., Murthy, T. V. R. (2020) Biodiversity assessment of Indian mangroves using in situ observations and remotely sensed data. *Biodiversity*. 21(4), 198-216.
- Sawant, A., Rodrigues, B. F., (2020). Isolation and identification of phosphate (P) solubilizing halophytic fungal endophytes. *Kavaka*. 55, 71-76.
- Gaonkar, S.; Rodrigues, B. F. (2020) Diversity of arbuscular mycorrhizal (AM) fungi in mangroves of Chorao Island, Goa, India. *Wetlands Ecology and Management*. 28(5), 765-778.

#### **Ph.Ds:**

*Degrees Awarded: 04*

*Submitted: 02*

*Students on Roll: 24*

#### **Conference Presentations, Lectures, etc.**

- Rodrigues B F. Oral lecture at National Conference ‘Challenges in Environmental Microbiology’ – Chakdaha College, Nadia, West Bengal on 31<sup>st</sup> August 2020, Topic - ‘Revegetation of Mines using Mycorrhizal Fungi.’
- Korgaonkar Shravani and Bhandari Rupali. Oral lecture on Salicylic acid enhanced growth of rice (*Oryza sativa* L.) plants under drought stress conditions. National Virtual Conference on Current Trends and Challenges in Plant Biochemistry and Biotechnology. Birla Institute of Technology and Science Pilani, (BITS), K. K. Birla Goa Campus, 20-21 November 2020.
- Jalmi, Siddhi. Oral lecture on Plant signaling a mode of communication in Plants” in National Conference on “Current trends and Challenges in Plant Biochemistry and Biotechnology”, organized by Society for Biochemistry and Biotechnology, New Delhi and BITS Pilani, Goa, 20-21 November 2020.
- Dabolkar Sujata & N Kamat. Poster presentation on the topic How “The Modified Winogradsky Microcosm Technique Can Help in Building An Indigenous Culture Collection Of Iron And Sulphur Bacteria Valuable In Green Synthesis Of Gold Nanoparticles” at 1st International Conference on Evolving Materials and Nanotechnology for Sustainable Development (EMNSD-2020) Organized by Department of Physics, Central Institute of Technology Kokrajhar (Deemed to be University under MoE, Govt. of India), Kokrajhar, Assam, India, on 15-16 December 2020, online mode.
- Dabolkar Sujata & N Kamat. Oral presentation on the topic “Design of Biosinspired microporous fungal biomass based nanoporous Agar hydrogel Beads as efficient Gold biosensors” at International Conference on Porous Materials for Energy and Environment (PMEE 2021) organized by Cluster Research centre, PG & UG Department of Chemistry in association with IQAD, GCASCK, Khandola, Marcela-Goa on 12-13 March 2021, Online mode.

## Department of Microbiology

### Faculty

#### Full-time

**Sandeep Garg, Ph.D.**, Professor and Head - Industrial & Medical Microbiology, Microbial Technology, Marine microbiology, Industrial Fermentation, biofertilizers, Agriculture microbiology, Immunology, Ectomycorrhizal fungi, Biopolymers.

**Lakshangy S. Charya, Ph.D.**, Assistant Professor - General and Environmental Microbiology, Bioremediation, Ectomycorrhizal fungi.

**Milind M. Naik, Ph.D.**, Assistant Professor - Environmental Microbiology, Molecular Biology, Agricultural Microbiology, Marine Microbiology.

**Judith M. Noronha, M.Sc.**, Assistant Professor - Aquatic Virology, Cyanophages and microalgal viruses, Microbial ecology of rice field ecosystems

**Trupti Asolkar, Ph.D.**, Assistant Professor - Molecular Biology, Biocontrol Agents, Plant-Microbe interactions

**Lata G. Velip, Ph.D.**, Assistant Professor - Microbial carbon pump & Climate change impact, Biogeochemistry, Microbial Ecology, Marine microbiology, Science outreach - science for society.

**Bhakti Balkrishna Salgaonkar, Ph.D.**, Assistant Professor - Halophilic Archaea; Extremophilic Microorganisms and their Bioprospecting, Biopolymers, Extremozymes, etc.

### Major Thrust Areas and Achievements:

Applied Environmental Microbiology and Marine Microbiology – Ecology of extremophiles with focus on halophilic microorganisms (Archaea, Bacteria, Virus, Fungi, Phytoplankton), their molecular microbiology and genetic engineering, heavy metal bioremediation and bioprospecting for industrially important enzymes (protease, xylanase, amylase cellulases, lipase), antimicrobials and PHA; Microbial carbon pump & Climate change impact, Biogeochemistry, Virology, Ectomycorrhizal fungi, Plant-Microbe interactions, Biofertilizers.

### Projects

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Judith M. Noronha	Ongoing	Metagenomic Study of Viruses from Freshwater Ecosystems	Goa University, Seed money grant	0.5
Bhakti Balkrishna Salgaonkar	Ongoing	Coproduction of Polyhydroxyalkanoates and Extremozymes by Halophilic Archaea and their application in Organic synthesis	Goa University, Seed Money grants	0.5

Milind Naik	Ongoing	Biodegradation of seafood waste by crustacean shell-associated bacteria and application of seafood waste ethanol production	Goa University, Seed Money grants	0.5
Trupti Asolkar	Ongoing	Molecular characterization of microbial pathogens responsible for infectious and zoonotic diseases	Goa University, Seed Money grants	0.5
Lata Gawade	Ongoing	Impact of temperature rise on bacterial metabolic rates and organic carbon mineralisation	Goa University, Seed Money grants	0.5

*Seminars, Conferences, Workshops etc. organized: Nil*

### **Research Publications:**

*Articles in journals (\* Impact Factor/ Cite Score Journals): Nil*

- Ramesh, R., D'Souza, M., Asolkar, T., Achari, G., Gaitonde, S., & Thangam, M. (2021). Field evaluation of bacterial wilt resistant lines and identification of promising bacterial wilt resistant varieties for Coastal region. *Indian Phytopathology*, 74, 1129-1134.
- Shet, S. A., and Garg, S. (2021). Prokaryotic diversity of tropical coastal sand dunes ecosystem using metagenomics. *3 Biotech* 11(5), 1-21.
- Pereira, M. H., Mohanty, A. K., Garg, S., Tyagi, S. and Kumar, A. (2021). Characterization of midgut microbiome of *Anopheles stephensi* Liston. *Journal of Vector Borne Diseases* 58(1), 74-84.
- Kadam, H. K., Salkar, K., Naik, A. P., Naik, M. M., Salgaonkar, L.N., Charya, L., Pinto, K. C., Mandrekar, V. K. and Vaz, T. (2021). Silica Supported Synthesis and Quorum Quenching Ability of Isoxazolones Against Both Gram Positive and Gram-Negative Bacterial Pathogens. *Chemistry Select*, 6(42), 11718-11728.
- Naik, M.M., Imran, M., Vaigankar, D. C., Mujawar, S. Y., Malik, A. D. and Gaonkar, S. K. (2021). Genome Guided Bioprospecting of Extremely Halophilic *Haloferax* sp. AS1 for CAZymes, Bioremediation and Study Metabolic Versatility. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 91(2), 297-305.
- Asolkar, T. and Ramesh, R. (2020). The involvement of the Type Six Secretion System (T6SS) in the virulence of *Ralstonia solanacearum* on brinjal. *3 Biotech*, 10(7), 1-10.

*Book Chapters:*

- Naik, M. M., Charya, L., Naik, D., Malik, A., Prabhu, M. S., (2020). The role of nitrogen fixing bacteria in nitrogen limiting marine waters (chapter 4). In: *Global implications of the nitrogen cycle* (Editor: De Souza, T.), Cambridge Scholar Publishing. 80-99.

*Books: Nil*

### **Ph.Ds**

*Degrees Awarded: 03*

*Submitted: 02*

*Students on roll: 04*

## **Conference Presentations, Lectures, etc.**

### *Invited/ contributory Lectures*

- Judith Noronha delivered a contributory lecture on “Techniques in genetic engineering”, for students of M.Sc. Microbiology of the Dept. of Microbiology, P.E.S.’s R.S.N College of Arts and Science on 21<sup>st</sup> April, 2021.
- Milind Naik delivered a contributory lecture on “Expression of vectors: Prokaryotic (pET, pGEX-2T and others)” on 27<sup>th</sup> March 2021 at PES’s RSN collage of arts and science, Ponda Goa.
- Lata Gawade delivered a talk during inaugural program on oyster farming organized by Directorate of Unnat Bharath Abhiyaan -Goa University, at Madkai Ponda Goa, on 17 April, 2021.
- Bhakti Balkrishna Salgaonkar delivered a contributory lecture on “Phytohormones from Plants”, for students of M.Sc. Microbiology of the Dept. of Microbiology, P.E.S.’s R.S.N College of Arts and Science on 10<sup>th</sup> April, 2021.
- Bhakti Balkrishna Salgaonkar delivered a Guest lecture on “Archaea in Halophilic Biotechnology”, at the State Level Webinar organized by the Department of Microbiology, Government College of Arts, Science and Commerce, Khandola, Marcela, Goa on 1<sup>st</sup> April, 2021.

## **Oral Presentations at Conferences**

### **Workshops/ Training attended**

- Trupti Asolkar attended an online webinar on “DBT Webinar: Showcasing Demonstrated Waste-To-Value Technologies” organized by India Alliance on 1<sup>st</sup> October, 2020
- Trupti Asolkar attended an online workshop on “Introduction to Research Methodology and Data Analysis with SPSS” organized by Meerashpa Learning Solutions, from 23<sup>rd</sup>–28<sup>th</sup> November, 2020.
- Trupti Asolkar attended the 109<sup>th</sup> Faculty Induction Program (FIP) in online mode conducted by University Grants Commission-Human Resource Development Centre (UGC-HRDC) from 09<sup>th</sup> February – 16<sup>th</sup> March, 2021.
- Lata Gawade attended online workshop on ‘Science Leadership Workshop for early career faculties and scientists’, supported by all three science academies in the country and INYAS. 22<sup>nd</sup> -28<sup>th</sup> June, 2020.
- Milind M Naik attended the refresher course in Environmental sciences (Inter-Disciplinary) held during 12/1/2021 to 25/01/2021, organized by UGC-HRDC Goa University.
- Lata Gawade attended the 108<sup>th</sup> Faculty Induction Program (Online) organized by University Grant Commission- Human Resource Development Centre, Goa University held from 17/11/2020 to 23/12/2020.
- Lata Gawade attended the Faculty Induction Program (online) organised by Bharati Vidyapeeth’s Institute of Computer applications and management (BVICAM)- New Delhi held during 1/08/2020-31/08/2020.
- Bhakti Balkrishna Salgaonkar participated in the 108<sup>th</sup> Faculty Induction Program (FIP) by University Grants Commission-Human Resource Development Centre (UGC-HRDC) Goa University from 17.11.2020 to 23.12.2020 and obtained “A” grade

- Bhakti Balkrishna Salgaonkar completed Two Day “Research Grant Writing Workshop” for Faculty and Researchers conducted by Directorate of Higher Education (Govt. of Goa) in Collaboration with Govt. College of Arts Science & Commerce, Quepem Goa on 16th and 17th March, 2021 at SCERT Building, Porvorim Goa
- Bhakti Balkrishna Salgaonkar participated in the National level webinar entitled “Mucormycosis: The black fungus traumatizing COVID 19 Patients in India” by Prof. Savio Rodrigues, Head, Department of Microbiology, Goa Medical College and Hospital, Goa and organized by the Post Graduate Department of Microbiology, Government College of Arts, Science & Commerce Khandola, Marcela-Goa, in collaboration with Microbiologists Society, India on 5th June 2021.
- Bhakti Balkrishna Salgaonkar participated in an international webinar entitled “Nutrigenetics and Personalised Nutrition - Are we ready for DNA-based dietary advice?” by Prof. Vimal Karani, Professor in Nutrigenetics & Nutrigenomics at the University of Reading, UK and organized by Department of Biotechnology, Karpaga Vinayaga College of Engineering and Technology (KVCET), Tamil Nadu, India on 4th June, 2021.
- Bhakti Balkrishna Salgaonkar participated in the State level webinar entitled “COVID-19-Cure and Care through Ayurveda” by Dr. Bishnupriya Mohanty, Professor & Head, Department of Sanskrit Samhita & Siddhanta, Gomantak Ayurved Mahavidyalaya and Research Centre, Vazem, Pandagal, Shiroda, Goa, organized by the Post Graduate Department of Microbiology, Government College of Arts, Science & Commerce Khandola, Marcela-Goa, in association with the Microbiologists Society, India on 24th May, 2021.
- Bhakti Balkrishna Salgaonkar participated in the National level webinar entitled “Bolstering during India's COVID-19 Emergency” delivered by Dr. A.M. Deshmukh (President, Microbiologists Society, India) and Dr. Sanjeev Patankar (President, MSI, Goa & Maharashtra Unit) and organized by the Under & Post Graduate Department of Microbiology, Government College of Arts, Science & Commerce Khandola, Marcela-Goa, in collaboration with Microbiologists Society, India on 16th May, 2021.
- Bhakti Balkrishna Salgaonkar participated in an international webinar entitled "Life beyond Earth: Polyextremophiles -Link Between Earth and Astrobiology" by Dr. Ram Karan, Research Scientist, KAUST Catalysis Center (KCC), King Abdullah University of Science and Technology, Kingdom of Saudi Arabia and organized by the Post Graduate Department of Microbiology, P.E.S.'s R.S.N College of Arts and Science, Farmagudi, Ponda-Goa, on 7th May, 2021.
- Bhakti Balkrishna Salgaonkar participated in the State level webinar entitled “COVID 19-Role of POCT RT-PCR in Diagnosis” delivered by Dr. Shivraj Bhoite, Manager, Product management at Molbio Diagnostics Private Limited, Goa, and organized by the Department of Microbiology, P.E.S.'s R.S.N College of Arts and Science, Farmagudi, Ponda-Goa, on 30th April 2021.

### **Student Development**

Bhakti Salgaonkar, Mentor for Mentoring Programme for UGC NET/CSIR NET/SET in Life Sciences organized by Directorate of Higher Education (DHE), Government of Goa.

## Department of Zoology

### Faculty:

*Full-time*

**Ramballav Roy, Ph.D.**, Professor and Head– Environmental Adaptation Nutritional Biochemistry. Lipid Biochemistry, Lipidomics

**Nitin S. Sawant, Ph.D.**, Assistant Professor – Conservation Biology, Wildlife Biology, Herpetology, Biodiversity

**Minal Shirodkar Desai, Ph.D.**, Assistant Professor – Ornithology

**Avelyno D’Costa, Ph.D.**, UGC-CSIR NET Assistant Professor – Toxicology

**Shanti N. Dessai, Ph.D.**, Assistant Professor – Animal Physiology, Animal Cell Culture

**Gandhita Kundaikar, M. Sc, MH-SET**, Assistant Professor – Aquaculture

**Shamshad Shaikh, Ph.D.**, Assistant Professor – Animal Physiology, Nanotoxicity

### Major Thrust Areas and Achievements:

*Thrust Areas: Wildlife, Biodiversity, Herpet* Discovered new species of the genus *Hemiphyllodactylus Bleeker, 1860 (Squamata: Gekkonidae)* from Goa, India (AKSHAY KHANDEKAR<sup>1,2</sup>, DIKANSH S. PARMAR<sup>3,4#</sup>, NITIN SAWANT<sup>3,5\*</sup> & ISHAN AGARWAL<sup>1,6,7</sup>)  
First record of snail species *Varadia amboliensis* from Netravali Wildlife Sanctuary. (Nitin Sawant, Mayur Gawas, Shubham Rane & Sagar Naik).

### Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Nitin Sawant	On-going	Development of Butterfly Gardens at Government College Pernem and Sankhalim	Directorate of Higher Education, Government of Goa	Rs. 8,45,855.00
Nitin Sawant	Completed in 2021	Preparation of Management Plan for Mhadei Wildlife Sanctuary.	Goa Forest Department, Government of Goa	Rs. 4,95,000.00
Nitin Sawant	(Jan. 2020 – Jan. 2023)	Diversity of Herpetofauna of Goa, Maharashtra and Karnataka	Ministry of Environment, Forest and Climate Change, Government of India, New Delhi	Rs. 50,20,504.00



**Projects: Seminars, Conferences, Workshops, etc., organized:**

Programme	Date	Major Sponsors
Zoology Webinar	1st-4th February, 2021	Goa University
Lecture on Bio prospecting, Bio piracy and IPR	8th December 2020	Goa University

**Research publications:**

*Articles in journals (\* in WoS/Scopus Journals):*

- Naik, A. V., Dessai, S. N., & Sellappan, K. (2021). Antitumour activity of *Annona muricata* L. leaf methanol extracts against Ehrlich Ascites Carcinoma and Dalton's Lymphoma Ascites mediated tumours in Swiss albino mice. *Libyan Journal of Medicine*, 16(1).
- Dias, R., D'Costa, A., Praveen Kumar, M. K., & Shyama, S. K. (2021). DNA damage and biochemical responses in estuarine bivalve *Donax incarnatus* (Gmelin, 1791) exposed to sub-lethal concentrations of an organophosphate pesticide monocrotophos. *Environmental Monitoring and Assessment*, 193(6), 1-12.
- Fernandes, S., Kerkar, S., D'Costa, A., Costa, M., Mishra, A., Shyama, S. K., & Das, K. R. (2021). Immuno-stimulatory effect and toxicology studies of salt pan bacteria as probiotics to combat shrimp diseases in aquaculture. *Fish & Shellfish Immunology*, 113, 69-78.
- D'Costa, A. H., Shyama, S. K., Praveen Kumar, M.K., Verenkar, V. M. S.; Tangsali, R.B. (2021). Genotoxic effect of manganese and nickel doped zinc ferrite (Mn sub (0.3) Ni sub (0.3) Zn sub (0.4) Fe sub (2)O sub (4)) nanoparticle in Swiss albino mouse *Mus musculus* (*Indian Journal of Experimental Biology*. 59(1), 25-32.
- Singh, N., Bhagat, J., Tiwari, E., Khandelwal, N., Darbha, G. K., & Shyama, S. K. (2021). Metal oxide nanoparticles and polycyclic aromatic hydrocarbons alter nanoplastic's stability and toxicity to zebrafish. *Journal of Hazardous Materials*, 407, 124382.

*Book chapter:* Nil

**Ph.Ds:**

*Degree Awarded:* 01

*Submitted:* 01

*Students on Roll:* Nil

**Conference Presentations, Lectures, etc.**

*Conference presentations/ lectures*

- Invited talk on "Frontiers and Tools to Study Developmental Neurogenesis" at 34<sup>th</sup> SNCI Annual Conference 2020 on "Brain Diseases, Injuries and Infections: Emerging

Challenges and treatment strategies” held on 11<sup>th</sup> -13<sup>th</sup> December, 2020 at University of Hyderabad, Telangana.

*Lectures on other occasions:*

Student Development and Collaboration:

*NET /SET Mentoring:*

Dr. Shanti N. Dessai, Dr. Avelyno D’Costa and Ms. Gandhita Kundaikar, were Mentors for aspirants for National Eligibility Test (NET) and State Eligibility Test (SET) at Goa University.

*Student internship offered:*

Miss. Akshada Khandeparkar and Gauri Kukalekar were interning on the project entitled “Diversity of Herpetofauna of Goa, Maharashtra and Karnataka”, Funded by, Ministry of Environment, Forest & Climate Change, Government of India. Both the interns were trained on taxonomy and molecular studies.

## Department of Biotechnology

### Faculty:

*Full-time*

**Ghadi, Sanjeev C. Ph.D.**, Professor and Head - Applied Enzymology, Genetics and Molecular Biology, Bioinformatics.

**Muraleedharan, Usha D. Ph.D.**, Professor- Biochemistry, Enzymology, Biological Oceanographic Processes, Algal biofuels.

**Barros, Urmila Ph.D.**, Professor - Immunology (Superannuated in August 2020)

**Kerkar, Savita Ph.D.**, Professor Biodiversity & bioprospecting of bioactive compounds from salt pan bacteria. Probiotics & Bioremediation of metals using hypersaline aerobic/anaerobic bacteria.

**Samant, Sanika Darshan Ph.D.**, Assistant Professor, Bioremediation and Bio-prospecting and nanomaterial studies.

**Tiwari, Dharmendra Kumar Ph.D.**, UGC-Assistant Professor-Biosensor development, Biomaterials, Nanomaterials for biological applications, fluorescent protein engineering and Light microscopy.

**Prabhu, Meghanath Shambhu Ph.D.**, Assistant Professor-Marine-Algae Biotechnology, Environmental Biotechnology, Fermentation Biotechnology.

**Mapari, Dviti Dayanand M.Sc.**, Assistant Professor-Microbial physiology, Industrial Microbiology, Agricultural Microbiology, and Immunology.



## Major Thrust Areas and Achievements:

### Thrust Areas:

- Cloning of Agarase and other polysaccharide degrading enzymes and therapeutic potential of oligosaccharides.
- Endophytic bacteria from insectivorous plants and bioprospecting Marine Viruses.
- Genomics and metagenomics studies of microorganisms from marine ecosystems
- Xylanases, Cellulases, amylases, lipases and proteases of potential importance from marine microorganisms.
- Biodiversity & Ecology of hypersaline bacteria, Sulphur oxidizers & reducers., Bioremediation of heavy metals., Bioactive metabolites from marine bacteria.
- Seaweed biorefinery concept and fermentation technology for sustainable use of marine macroalgae.
- Biosensor development, Nanomaterials for biological applications, fluorescent protein engineering.

### Projects:

Project Investigator	Title	Funding agency	Grant (Rs. in Lakhs)
Prof. Savita Kerkar (Mentor of the Biocare DBT project)  Dr. Manisha Tiwari (Principal investigator)	Development of Ultra-Sensitive luminescent Paper Biosensor for Quantification of Cadmium and Arsenic Heavy Metal contamination in drinking water and seafood.	DBT, India  25/11/2019 to 25/11/2020	42,25,853/-

### Visiting Scholars

Name of the Scholar	Institution	Title of Lecture	Date
Dr. Neel Sarovar Bhavesh	International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi	Surprises in common RNA Recognition Motifs (Webinar)	17.10.2020
Dr. Jitendra K. Thakur	National Institute of Plant Genome Research, New Delhi	Mediator as a convergence point for multigenic traits (Webinar)	07.11.2020
Dr. Samir V. Sawant, Ph.D., FNASc Senior Principal Scientist and Professor in AcSIR.	Molecular Biology & Genetic Engineering Division, CSIR-National Botanical Research Institute, Lucknow	The interplay of chromatin modifiers in regulation of cotton fiber development (Webinar)	26-09-2020

**Seminars, Conferences, Workshops, etc., organized: Nil**

**Research Publications:**

*Articles in journals (\* Impact Factor/ Cite Score Journals) [Impact factor :2020]*

- Almeida, J., Mohanty, A., Dharini, N., Hoti, S. L., Kerkar, S., & Kumar, A. (2020). A report on novel mosquito pathogenic Bacillus Spp. isolated from a beach in Goa, India.
- Almeida, J., Mohanty, A., Kerkar, S., Hoti, S. L., & Kumar, A. (2020). Current status and future prospects of bacilli-based vector control.
- Das, K. R., Tiwari, A. K., & Kerkar, S. (2020). Psychrotolerant Antarctic bacteria biosynthesize gold nanoparticles active against sulphate reducing bacteria. *Preparative Biochemistry & Biotechnology*, 50(5), 438-444.
- Biswas, B., Kumar, A., Fernandes, A. C., Saini, K., Negi, S., Muraleedharan, U. D., & Bhaskar, T. (2020). Solid base catalytic hydrothermal liquefaction of macroalgae: effects of process parameter on product yield and characterization. *Bioresource Technology*, 307, 123232.
- Shirodkar, P. V., Muraleedharan, U. D., Damare, S., & Raghukumar, S. (2020). A mesohaline thraustochytrid produces extremely halophilic alpha-amylases. *Marine Biotechnology*, 22(3), 403-410.

## 2.4 School of Physical and Applied Sciences



### Programmes and Degrees

Programme of Physics	(M.Sc., M.Phil., Ph.D.)
Programme of Mathematics	(M.Sc., M.Phil., Ph.D.)
Programme of Electronics	(M.Sc., M.Phil., Ph.D.)

**Dean:** Prof. Kaustubh R. S. Priolkar

**Vice-Dean (Academic):** Prof. Ramesh V. Pai

**Vice-Dean (Research):** Prof. Rajendra S. Gad

### Programme of Physics

#### Faculty

*Full-time*

**Ramesh V. Pai, Ph.D.**, Professor - Theoretical Condensed Matter Physics.

**Kaustubh R. S. Priolkar, Ph.D.**, Professor - Experimental Solid-State Physics-NEXAFS and EXAFS.

**Pallavi P. Gaude, M.Sc.**, Assistant Professor - Theoretical Condensed Matter Physics

**Pranav Naik, Ph.D.**, Assistant Professor - Nanomaterial synthesis, Magnetism, Electrical properties, Radiation effect.

**Prabhakar Palni, Ph.D.**, Assistant Professor - Experimental High Energy Physics and Nuclear Physics

**Reshma Raut Dessai, Ph.D.**, Assistant Professor - Neutron Scattering, Porous media, Condensed matter Physics, Glass, Ceramic

**Elaine T. Dias, Ph.D.**, Assistant Professor - Experimental Condensed Matter Physics

**Sudhir Cherukulappurath, Ph.D.**, Assistant Professor - Nonlinear Optics, Plasmonics, Nanophotonics

**Rajeshkumar S. Hyam, Ph.D.**, Assistant Professor - Experimental Condensed Matter, Nanomaterial for Energy applications

**Venkatesha R. Hathwar, Ph.D.**, Assistant Professor - X-ray Diffraction, Chemical Physics and Quantum Crystallography, Crystal Engineering, Structural Materials Science

**Bholanath Pahari, Ph.D.**, Assistant Professor (UGC- Faculty) - Matter Physics, NMR Spectroscopy

## Programme of Mathematics

### Faculty

*Full-time*

**Mailattu Kunhanandan, Ph.D.**, Assistant Professor – Functional Analysis, Combinatorics

**Manvendra Tamba, Ph.D.**, Assistant Professor – Lie Algebra, Number Theory

**Jessica Fernandes e Pereira, Ph.D.**, Assistant Professor – Graph Theory.

## Programme of Electronics

### Faculty

*Full-time*

**Rajendra S. Gad, Ph.D.**, Professor– Multivariate Signals & Systems and Computer Networks

**Jivan S. Parab, Ph.D.**, Associate Professor – Embedded System Instrumentation, DSP, RTOS, HDL, Fiber optic sensors

**Narayan T. Vetrekar, Ph.D.**, Assistant Professor – Pattern Recognition, Biometrics, Multi-spectral Imaging, Machine Learning, Image Processing

**Marlon Sequeira, Ph.D.**, Assistant Professor – Embedded systems, Biomedical Instrumentation, FPGA.

### Thrust Areas:

The School of Physical and Applied Sciences is a result of the amalgamation of three correlated disciplines, physics, mathematics, and electronics. The major thrust area of the Physics discipline has been *condensed matter physics and materials science*. It is an extremely active, dynamic field of research and is the largest subfield of modern physics. At the fundamental level, condensed matter physics is intellectually stimulating due to the continuing discoveries of many new phenomena and the development of new concepts

and tools that are necessary to understand them. It is the field in which advances, in theory, can most directly be confronted with experiments. Faculties/researchers of the Physics discipline conduct investigations (experiments and theory) in many areas of hard/soft condensed matter physics that include:

- High-temperature superconductivity
- Strong correlations
- Amorphous and porous materials
- Quantum magnetism
- Shape memory alloys
- Bose-Einstein condensates
- Nanostructures for solar cells, SERS, and photocatalysis application
- Low-dimensional physics
- Energy storage materials
- Synthesis of new quantum materials
- Multifunctional optical spectroscopy of condensed matter systems
- Plasmonic nanomaterials
- Optical trapping
- Photoluminescence materials
- Graphane-based materials
- Ferrites
- Quantum crystallography
- Spintronics
- Nanomaterials for biomedical applications

Another area that is developing as a thrust area is high energy physics and nuclear physics. The goal of this branch of physics is the understanding of the elementary particles that are the fundamental constituents of matter. Under the umbrella of Electron-Ion Collider (EIC) – India collaboration one of our faculties is engaged in Software development and Silicon tracking detector development for the EIC coming up at the Brookhaven National Laboratory, USA. Recently, *Biophysics* and *Computational Physics* have been included as new thrust areas of the physics discipline. Biophysics applies the principle of physics to understand the mechanisms of biological systems, whereas, computational physics employs methods of mathematical analysis to explore the consequences of basic theories of physics.

The major thrust areas of the mathematics discipline since its inception have been diverse. Broadly in the area of Functional Analysis and Applications, the major thrust areas have been operator theory, inverse and Ill-posed problems and methods of mathematical physics, probability theory, and applications of operator algebras. In the area of differential equations, the major contributions have been to the study of ordinary and delay differential equations and problems related to the study of the stability of solutions to certain classes of Partial Differential Equations. In the area of topology, the major

domain of study has been problems in the field of Knot Theory. In the areas related to algebra and discrete Mathematics, the thrust areas have been Kac-Moody Lie Algebras and Number Theoretic Identities, Graph Theory, and Fibonacci type sequences. Currently, the research interests of the mathematics discipline are:

Structure of standard modules of certain Affine Lie algebras and Roger's-Ramanujan type theorems

Study of Fibonacci type numbers

Study of aspects of non-commutative Geometry in  $C^*$ -Algebras

Studies in Graceful Labelings of Graphs and its Variations.

On the other hand, faculties/researchers in the electronic discipline employ imaging spectroscopy and machine learning approaches for the development of

- Bio-medical and Agro-electronics
- IoT Smart Sensor
- Machine Learning
- Digital Signal Processing
- Image Processing
- Networks

#### Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Priolkar, K.R.	March 2018 - March 2021	Understanding Dynamics of Magneto Structural Coupling in Manganese Inter-Metallics Exhibiting First Order Transition	SERB-DST	41.16
Venkatesh Hathwar	Aug. 2019 - July 2021	UGC Start up Grants	UGC	10.00
SPAS (Physics)	Completed	SAP DRS-Phase III	UGC	76.00
Cherukulappurath S.	Jan. 2018 – Dec. 2020	Reduced Graphene Oxide-Gold Nanoparticle Composite Based Surface Enhanced Raman Spectroscopy for Sensing	UGC-DAE-CSR	12.58

		Environmental Pollutants		
Gad, R. S.	Completed	Vishveshvaraya PhD Scheme in area of ESDM for two full-time candidates	DeitY	63.88
Gad, R. S.	Completed	Vishveshvaraya PhD Scheme in area of ESDM & ITES for five full-time candidates	DeitY	203.00
Parab, J. S.	Completed	Visweswaraya Young Faculty Award Electronics &IT	DeitY	37.00
Parab, J. S.	Completed	Visweswaraya Research grant for Electronics & IT	DeitY	33.00
Naik, G. M.	Completed	Visweswaraya Research grant for Electronics &IT	DeitY	33.00

### Visiting Scholars

Name of the scholar	Institution	Title of Lecture	Date
Prof. Vidhyasagar	Vice chancellor, SRTM University, Nanded	"NEP 2020 & Avenues for Higher learning"	15 <sup>th</sup> September 2020

### Seminars, Conferences, Workshops etc. organized

Programme	Date	Major sponsors
Physics Masterclass Series	3 <sup>rd</sup> October -28 <sup>th</sup> November 2020	-
International Webinar Series on Current Trends in Condensed Matter Physics	29 <sup>th</sup> September to 1 <sup>st</sup> October 2020	-
1 <sup>st</sup> International conference on Advances in smart sensor, Signal Processing and communication Technology (ICASSCT-2021)	19 - 20 March 2021	Goa University



## Research Publications:

*Articles in journals (\* Impact Factor/ Cite Score Journals)*

- Naik, P. P., Hasolkar, S. S., Keluskar, S., Pissurlekar, V. (2020) Role of Mn<sup>+2</sup> ions in monitoring structural, optical, magnetic and electrical properties of manganese zinc ferrite nanoparticles, *Journal of Materials Science: Materials in Electronics*.
- Palni, P., Khuntia, A., Bartalini, P., Evolution of strange and multi-strange hadron production with relative transverse multiplicity activity in underlying event *The European Physical Journal C*. 80(10); 2020
- Kalaiarasi, C., Sivanandam, M., Suganya, S., Christy, G., Gonnade, R. G., Hathwar, V. R., & Kumaradhas, P. (2020). Investigation of bond topological and electrostatic properties of plumbagin molecule: An experimental and theoretical charge density study. *Journal of Molecular Structure*, 1220, 128714.
- Nevgi, R., Priolkar, K. R., Righi, L., Solzi, M., Cugini, F., Dias, E.T., Nigam, A. K. (2020). Lattice strain accommodation and absence of pre-transition phases in Ni<sub>sub(50)</sub>Mn<sub>sub(25+x)</sub>In<sub>sub(25-x)</sub>, *Journal of Physics: Condensed Matter*. 32(50).
- Cakır, O., Dias, E.T., Priolkar, K. R., Hoser, A., Farle, M., Acet, M., (2020). Heterogeneous magnetism and kinetic arrest in antiperovskite Mn<sub>sub(3-x)</sub>Ni<sub>sub(x)</sub>GaC compounds with Ni<sub>sub(2)</sub>MnGa Heusler insertions, *Physical Review B*. 102(2).
- Naik, P. P., Hasolkar, S. S., (2020). Consequence of B-site substitution of rare earth (Gd<sup>+3</sup>) on electrical properties of manganese ferrite nanoparticles, *Journal of Materials Science: Materials in Electronics*. 31(16).
- Praveenkumar, P., Joby, J. P., S, Cherukulappurath (2020). Graphene oxide based two-dimensional optical tweezers for low power trapping of quantum dots and E. coli bacteria, *ACS Applied Nano Materials*. 3(6), 5107-5115.
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- Gaonkar, V. N., Dias, E. T., Nigam, A. K., Priolkar, K. R. (2020). d band filling and magnetic phase separation in transition metal-doped Mn<sub>3</sub>SnC, *Journal of Alloys and Compounds*. 829.
- Parab, J., Sequeira M., Lanjewar M., Pinto C., Naik G., (2021). Backpropagation Neural Network-Based Machine Learning Model for Prediction of Blood Urea and Glucose in CKD Patients” *IEEE J Transl Eng Health Med.*, 9
- Nazareth, I.A.P., Parab, J. S., Gad, R. S.; Naik, G. M. (2020). Estimation of cholesterol in the presence of urea and other constituents in blood tissue. *International Journal of Innovative Technology and Exploring Engineering*. 9(3), 1831-1834.
- Fernandes, V., Parab, J. S., Naik, G. M. (2020). “Exploring the future of Li-Fi”, *International Journal of Engineering Research and Technology*. 13(12), 5182-5189.
- Pinto, C., Parab, J. S., Naik, G. M., (2020). “Non-invasive hemoglobin measurement using embedded platform”, *Sensing and Bio-Sensing Research*. 29
- Lobo, J. Z., Valaulikar Y. S., (2021). Group Methods for first order Neural Differential Equations, *Indian J. Maths* 63(2) 263-282.
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- Lobo J. Z., Valaulikar Y. S., (2020) Classification of some First order Functional Differential Equations with Constant Coefficients to solvable Lie Algebra, Applications and Applied Maths,15(2), 985-1003.
- Lobo J. Z., Valaulikar, Y. S., (2021). Group Methods for second order delay Differential Equations, TWMS. J. applications and Eng. Maths 11(4) 1194-1206.

#### *Book Chapters*

- Vetrekar N., Raghavendra R., Raja K., Gad R. S.,(2021). 'Gender Classification under Eyeglass Occluded Ocular Region: An Extensive Study Using Multi-Spectral Imaging'. In AI and Deep Learning in Biometric Security, CRC Press Taylor & Francis Group.

#### *Books*

- Parab, J. S., Nazareth, I. A., Gad, R. S., & Naik, G. (June 2020). Learning by Doing with National Instruments Development Boards. In Learning by Doing with National Instruments Development Boards. <https://doi.org/10.1201/9780429441806>

#### **Ph.Ds**

*Degrees Awarded:09*

*Submitted:03*

*Students on roll:24*

#### ***Conference Presentations, Lectures, etc.***

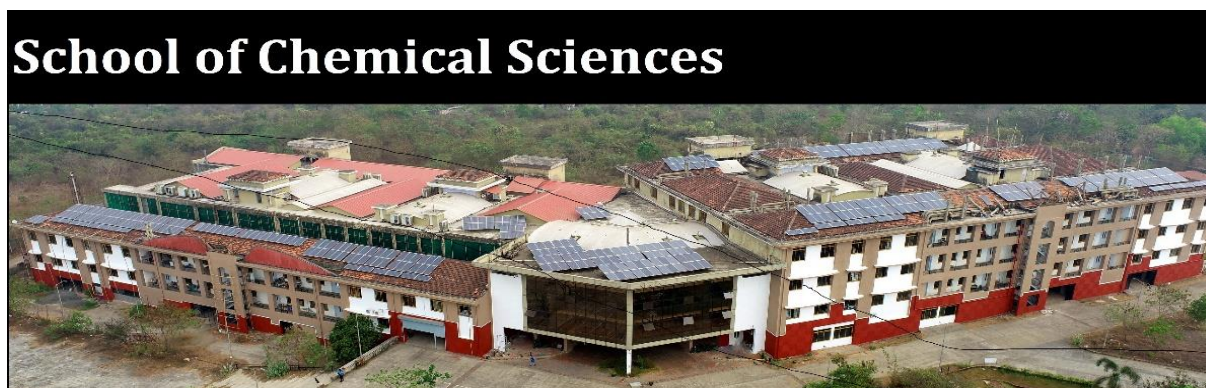
- K. R. Priolkar, Defect induced ground States in magnetic martensites, User's meeting of Synchrotron Projects, KEK, DESY, RAL, March 4 -5 2021
- S. Cherukulappurath, Graphene oxide based optical trapping of nanoparticles and large scale opto-thermal assembly, CONIAPS XXVI, 11-12 December 2020
- K. R. Priolkar, Novel Experiments for Physics Laboratories, Special Lecture for Vidnyan Parishad, Goa, August 1, 2020
- K. R. Priolkar, Novel Experiments in Physics, Summer Training Programme organized by Academy of Sciences, Chennai, July 18, 2020
- Marlon D. Sequeira, Jivan S. Parab, Caje F. Pinto, Gourish M. Naik, "Enhanced Accuracy for Glucose Prediction using Neural Network", In 2nd International Conference on Image Processing and Capsule Networks (ICIPCN-2021), May 27-28, 2021. In association with King Mongkut's University of Technology Thonburi, Thailand, Dayeh University, Taiwan, and Tribhuvan University, Nepal.
- Caje F. Pinto, Jivan S. Parab, Marlon D. Sequeira, Gourish M. Naik "Testing the efficacy of various Artificial Neural Network for total haemoglobin estimation", In 2nd International Conference on Image Processing and Capsule Networks (ICIPCN-2021), May 27-28, 2021. In association with King Mongkut's University of Technology Thonburi, Thailand, Dayeh University, Taiwan, and Tribhuvan University, Nepal.
- Sameer Patil, Aparajita Naik, Dr. Marlon Sequeira, Dr. Gourish Naik, Dr. Jivan Parab, "An Algorithm for Pre-processing of Areca nut for Quality Classification", In 2nd International Conference on Image Processing and Capsule Networks (ICIPCN-2021), May 27-28, 2021. In association with King Mongkut's University of Technology Thonburi, Thailand, Dayeh University, Taiwan, and Tribhuvan University, Nepal.

- Pinto, C.F.; Parab, J.S.; Sequeira, M.; Naik, G.M,” Development of Altera NIOS II soft-core system to predict total Hemoglobin using multivariate analysis”, Journal of Physics: Conference Series (JPCS), 1921 012048 (2021).
- Prabhu, Y.; Parab, J.S.; Naik, G.M, “Back-Propagation Neural Network (BP-NN) model for the detection of borer pest attack “, Journal of Physics: Conference Series (JPCS), IOP, 1921 012048 (2021).

### Consultancies

Sr. no	Infinity Agrotech LLP	Duration	Date of commencement	Status	Cost in Lakhs	Funding agency
1.	Feasibility study of identifying Milk adulterant Spectral signature using NIR Spectrophotometer	3 months	March 2021	Completed	1.058	Infinity Agrotech LLP

## 2.5 School of Chemical Sciences (SCS)



### Programmes offered:

Analytical Chemistry	(M.Sc.)
Biochemistry	(M.Sc.)
Inorganic Chemistry	(M.Sc.)
Organic Chemistry	(M.Sc.)
Physical Chemistry	(M.Sc.)
Chemistry	(Ph.D.)

**Dean:** Prof. Vishnu S. Nadkarni

**Vice-Dean (Academic):** Prof. B. R. Srinivasan

**Vice-Dean (Research):** Prof. Santosh G. Tilve

### Faculty

#### *Full-time*

**Santosh G. Tilve, Ph.D.,** HAG Professor - Synthetic Organic Chemistry.

**Vishnu S. Nadkarni, Ph.D.,** Senior Professor - Organic Chemistry, Polymer Chemistry.

**B. R. Srinivasan, Ph.D.,** Professor - Synthetic Inorganic Chemistry.

**Vidhyadatta M. S. Verenkar, Ph.D.,** Professor - Materials Chemistry.

**Rajendra N. Shirsat, Ph.D.,** Professor - Computational and Theoretical Chemistry.

**Sunder N. Dhuri, Ph.D.,** Professor - Synthetic Inorganic chemistry, Inorganic Crystallography, Biomimetic inorganic Chemistry, Metal-Organic compounds and Homogenous Catalysis.

**Digamber G. Porob, Ph.D.,** Associate Professor - Synthesis, crystal structure determination and structure property correlation of functional materials using powder X-ray, neutron diffraction, single crystal X-ray diffraction along with other supporting techniques. Some of the specific fields of interest are: Luminescent materials for LED lighting applications. Ionic conductors for batteries and fuel cells, Materials Sustainability and Size Controlled Materials.

**Rupesh E. Patre, Ph.D.,** Associate Professor - Analytical Chemistry, Sensors, Synthetic Organic Chemistry, Natural Products, Greener approaches (Flow chemistry, Biocatalyst application), Process development.

**Bidhan A. Shinkre, Ph.D.,** Associate Professor - Synthetic Organic Chemistry, Asymmetric synthesis, Medicinal Chemistry: Anti-cancer and Anti-bacterial agents- Structure Activity

Relationship studies (SAR), Heterocycles, Green and sustainable processes.

**Siddhali V. Girkar**, *MSc NET* Assistant Professor - Synthetic Organic Chemistry, Medicinal Chemistry

**Pranay P. Morajkar**, *Ph.D.*, Assistant Professor - Nanostructured materials, Reaction kinetics, Energy & Environmental Applications

**Sandesh T. Bugde**, *Ph.D.*, Assistant Professor - Synthetic Organic Chemistry, Photoredox Catalysis, Asymmetric Organocatalysis

**Rohan K. Kunkalekar**, *Ph.D.*, Assistant Professor - Catalysis, Solid State Chemistry, Nano-Material synthesis

**Savita A. Kundaikar**, *Ph.D.*, Assistant Professor - Polyoxometalate Chemistry: Design, Synthesis and characterization of polyoxometalate based hybrid organic-inorganic materials and their applications in catalysis and solving environmental concerns

**Hari K. Kadam**, *Ph.D.*, Assistant Professor - Analytical Chemistry, Chemosensing, Biosensing, Method Development, (HPLC, GC), Synthetic Organic Chemistry, (Heterocyclic Chemistry, Organic Methodologies, Cross coupling reactions) Green Chemistry, Medicinal Chemistry, Continuous Flow Chemistry

**Prajesh S. Volvoikar**, *Ph.D.*, Assistant Professor - Synthetic Organic Chemistry, (Heterocyclic Chemistry, Organic Methodologies, Cross coupling reactions, Cross dehydrogenative coupling) Medicinal Chemistry, Process development and optimization, Analytical Chemistry, Method Development, (HPLC, GC).

**Vishnu R. Chari**, *MSc NET* Assistant Professor - Computational chemistry, electronic structure calculations of organo-selenium compounds which acts as glutathione peroxidase mimics, Nanomaterials and nanochemistry.

**Anjani P. Nagvenkar**, *Ph.D.*, Assistant Professor - Materials electrochemistry: Synthesis, characterization and applications of semiconductor nanocrystals; halide perovskite materials for photovoltaics; colloidal nanocrystals for rechargeable electrochemical energy storage; thermal conductivity of nanofluids

**Delicia A. Barretto**, *Ph.D.*, Assistant Professor - Probiotics, Endophytic research, Bioprospecting, Biochemistry

**Diptesh G. Naik**, *Ph.D.*, Assistant Professor - Physical Chemistry, Polymer Chemistry: Synthesis and characterization of polymeric materials for their applications in nuclear track detection, neutron dosimetry.

**Kanchanmala B. Deshpande**, *Ph.D.*, Assistant Professor - Biosensor/ bioassay for environmental/ food analysis, Water analysis, Flow injection-based techniques, Heavy metal analysis, Chemical sensor, Remediations of contaminated water/ soil.

**Prachi S. Torney**, *Ph.D.*, Assistant Professor - Synthesis and characterisation of bioactive natural products and their analogues, photocatalytic and enzyme catalytic reactions, development of synthetic methodologies, isolation of bioactive molecules, analytical method development

**Vivekanand V. Gobre**, *Ph.D.*, Assistant Professor - Theoretical Physics/Chemistry, Intermolecular Interactions, Materials science, Scanning probe microscopy, Parallel computing, Quantum Biology

**Amrita P. Kharangate**, *Ph.D.*, Assistant Professor - Microbiology, Environmental bioremediation, Nanobioremediation, Sustainable management of food waste

**Kedar U. Narvekar**, *Ph.D.*, Assistant Professor - Structural chemistry: Synthesis,

Crystallization, Characterization, Properties of Inorganic, organic and Metal-Organic compounds

**Vinod K. Mandrekar**, *Ph.D.*, Assistant Professor - Polymer Chemistry, Catalysis, Synthetic Organic Chemistry and Chemistry of Natural Products

**Kiran T. Dhavskar**, *Ph.D.*, Assistant Professor - Anion receptor chemistry, Analytical Chemistry, Imaging studies and method development, structural chemistry, Sensing, separation, and remediation of toxic analytes, Generation and development of green methodologies, techniques and materials

**Shrikant R. Naik**, *Ph.D.*, Assistant Professor - Inorganic chemistry, Nanomaterials, Magnetic and electrical properties of Spinel ferrites and Garnet ferrites. Luminescent properties of garnets. Application of nano-sized oxides for their catalytic and antimicrobial applications

**Rupesh A. Kunkalkar**, *Ph.D.*, Assistant Professor - Synthetic Organic Chemistry: Synthesis of Natural products and Bioactive Molecules, Development of new synthetic methodologies.

**Sheshanath V. Bhosale**, *Ph.D.*, (UGC-FRP) Professor - Organic supramolecular chemistry, sensors, artificial photosynthesis and organic solar cells

### **Major Thrust Areas and Achievements:**

#### *Thrust Areas:*

- Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry
- Anion Receptors and Ion-Pair Receptors
- Bio-inorganic, Coordination, Organometallic Chemistry
- Catalysis, Asymmetric Organocatalysis
- Computational and Theoretical Chemistry
- Environmental Chemistry, Catalysis & Chemical Sensors
- Hydrogen Bonded Supramolecular Capsules and Metal Organic Cages
- Intermolecular Interactions
- Laser, Optics and Gas Kinetics
- Materials Science, Metal Carboxylates
- Nano-Material synthesis, Nanoscience
- Optical Spectroscopy
- Organic Supramolecular Chemistry, Artificial Photosynthesis and Organic Solar Cells
- Polymer Chemistry
- Porous Organic Materials for Toxic Ion Separation/Adsorption and Catalysis
- Single crystal X-ray diffraction
- Solid State Chemistry: Synthesis and Application of Mesoporous Materials
- Synthesis and Characterization of Organic-Inorganic Hybrid Porous Materials
- Synthetic Inorganic Chemistry, Synthetic Organic Chemistry

**Projects:**

Project Investigator	Status	Title of Project	Funding agency	Grant (Rs. in Lakhs)
Dr. S. T. Bugde	Feb. 2020 - Feb. 2022	Design, Synthesis and Application of Heterocyclic Quinones as Organic Photoredox Catalysis for Organic Transformations	UGC	10.00
Dr. R. K. Kunkalekar	Feb. 2020 - Feb. 2022	Shape selective metal oxide-based nano-catalysts for environmental remediation	UGC	10.00
Prof. S. V. Bhosale	April 2019 - March 2022	AIE Active Functional Aminoglycoside Antibiotics: Design, Synthesis, Self-Assembly, Molecular Recognition and Biological Applications	CSIR	19.54
Prof. S. N. Dhuri	May 2018 - March 2022	Design of New Transitional Metal Catalyst for Biomimetic Organic Oxidations	CSIR	15.00
Dr. P. P. Morajkar	Dec. 2017 - March 2021	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
Prof. S. G. Tilve	July 2016 - June 2020	Diastereo and Enantioselective Synthesis of Alkaloids Containing Pyrrolidine and Piperidine Motif	CSIR	24.86

**Seminars, Conferences, Workshops etc. organized: Nil**

**Research Publications:**

*Articles in journals (\* Impact Factor/Cite Score Journals):*

- Kerkar, R. D., Salker, A.V., (2020). Nitric oxide reduction by carbon monoxide and carbon monoxide oxidation by O<sub>2</sub> over Co-Mn composite oxide material, Applied Nanoscience. 10(1), 141-149.
- Parmekar, M.V., Salker, A.V., (2020). Highly tuned cobalt-doped MnO sub(2) nanozyme as remarkably efficient uricase mimic, Applied Nanoscience. 10(1), 317-328.
- Pawar, V. M., Nadkarni, V.S., (2020). Preparation of thin films of cellulose acetate-nitrocellulose blend for solid state nuclear track detection using spin coating technique, Journal of Radioanalytical and Nuclear Chemistry. 323(3), 1329-1338.
- Shejul, D. A., Wagalgave, S.M., Jadhav, R.W., Kobaisi, M. A., La D. D., Jones, L.A., Bhosale, R. S., Bhosale Sidhanath V., Bhosale, S.V., (2020). Aggregation-induced emission



- characteristics and solvent triggered hierarchical self-assembled chiral superstructures of naphthalenediimide amphiphiles, *New Journal of Chemistry*. 44(4), 1615-1623.
- Srinivasan, B.R., Petrosyan, A.M., Tylczynski, Z., (2020). Comments on 'Process development and characterization of centrosymmetric semiorganic nonlinear optical crystal: 4-dimethylaminopyridine potassium chloride', *Physica B: Condensed Matter*. 582.
  - Naik, A. P., Mittal, H., Wadi, V. S., Sane, L., Raj, A., Alhassan, S.M., Alili A.A., Bhosale S.V., Morajkar P.P., (2020). Super porous TiO<sub>2</sub> photocatalyst: Tailoring the agglomerate porosity into robust structural mesoporosity with enhanced surface area for efficient remediation of azo dye polluted waste water, *Journal of Environmental Management*.
  - Jadhav, R.W., La, D. D., More, V. G., Vo, H.T., Nguyen, D.A., Tran, D.L., Bhosale, S.V., (2020). Self-assembled kanamycin antibiotic-inorganic microflowers and their application as a photocatalyst for the removal of organic dyes, *Scientific Reports*.
  - Srinivasan, B. R., Tari, S. P., Parsekar N. U., Narvekar K. U., (2020). Synthesis and structure characterization of [Co(H<sub>2</sub>O)<sub>2</sub> (DMSO) sub(2)(4-nba)]<sub>4</sub>-nba (DMSO = dimethylsulfoxide; 4-nba = 4-nitrobenzoate), *Indian Journal of Chemistry - Section A*. 59A(1), 51-56.
  - Gauns-Dessai, P. P., Verenkar, V. M. S., (2020). Synthesis and characterization of Ni sub (0.7-x) Mn<sub>x</sub>Zn<sub>0.3</sub>Fe<sub>2</sub> (C<sub>4</sub>H<sub>2</sub>O<sub>4</sub>)<sub>3</sub>.6N<sub>2</sub>H<sub>4</sub> (x = 0.1-0.6): A precursor for the synthesis of nickel-manganese-zinc ferrites, *Journal of Thermal Analysis and Calorimetry*. 142(4), 1399-1411.
  - Naik, V. M., Gunjal, D. B., Gore, A. H., Anbhule, P.V., Sohn, D., Bhosale, S.V., Kolekar, G.B., (2020). Nitrogen-doped carbon dot threads as a "turn-off" fluorescent probe for permanganate ions and its hydrogel hybrid as a naked eye sensor for gold (III) ions, *Analytical and Bioanalytical Chemistry*. 412(12), 2993-3003.
  - Narulkar, D. N., Devulapally, D., AnilKumar, U., Dhuri, S. N., Dhavale, V. M., Vardhaman, A. K., Lingamallu, G., (2020). A novel nonheme manganese(ii) complex for (electro) catalytic oxidation of water, *Sustainable Energy & Fuels*. 6; 2656-2660.
  - Srinivasan, B. R., Petrosyan, A. M., (2020). Comments on "Investigation on novel bulk size single crystal of Glycine with metal ions grown by solution growth method for photonic applications", *Materials Letters*.
  - Srinivasan, B. R., Naik, S.G., Petrosyan, A. M., (2020). Comments on the paper 'Co-crystals of urea and hexanedioic acid with third-order nonlinear properties: An experimental and theoretical enquiry', *Journal of Molecular Structure*.
  - Srinivasan, B. R., (2020). Comments on "Selective enhancement of second and third-order nonlinear optical properties of newly synthesised trisglycine epsomite single crystal", *Materials Letters*.
  - Abdrabou, M. K., Morajkar, P. P., Pena, G. D. J. G., AbhijeetRaj, E. M., Salkar, A.V., (2020). Effect of 5-membered bicyclic hydrocarbon additives on nanostructural disorder and oxidative reactivity of diffusion flame-generated diesel soot, *Fuel*.
  - Mittal, H., Morajkar P. P., AlAlili, A., Alhassan, S.M., (2020). In-situ synthesis of ZnO nanoparticles using gum Arabic based hydrogels as a self-template for effective malachite green dye adsorption, *Journal of Polymers and the Environment*. 28(6), 1637-1653.
  - Kerkar, R. D., Salkar, A.V., (2020). Synergistic effect of modified Pd-based cobalt chromite and manganese oxide system towards NO-CO redox detoxification reaction, *Environmental Science and Pollution Research*. 27(21), 27061-27071.



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- Srinivasan B.R., Gobre V.V., Comments on the paper 'synthesis, physicochemical properties and third-order optical nonlinearities of cadmium (II) dibromide L - Proline monohydrate for optical limiting application', *Journal of Molecular Structure*. 1219; 2020; ArticleID\_128597., <https://doi.org/10.1016/j.molstruc.2020.128597>
- Srinivasan, B. R., Khandolkar, S. S., Morajkar, S. M., (2020). Structural identification of two differently coordinated heptamolybdate ligands in a hexamagnesium compound, *Indian Journal of Chemistry - Section A*. 517-525.
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- Jadhav, R.W., Hangarge, R.V., Aljabri, M. D., More, K. S., Chen, J-Y., Jones, L. A., Evans, R.A., Li, J-L., Bhosale, S.V., Gupta, A., (2020). The first connection of carbonyl-bridged triarylamine and diketopyrrolopyrrole functionalities to generate a three-dimensional, non-fullerene electron acceptor, *Materials Chemistry Frontiers*. 4(7), 2176-2183.
- Nadimetla, D. N., Kobaisi, M. A., Bugde, S.T., Bhosale, S.V., (2020). Tuning achiral to chiral supramolecular helical superstructures, *The Chemical Record*. 20(8), 793-819.
- Goskulwad, S. P., Nadimetla, D. N., Shaikh, D. B., La, D. D., Kobaisi, M. A., Bhosale, R. S., Bhosale, S. V., Bhosale S.V., (2020). Supramolecular self-assembly of naphthalene diimide bolaamphiphile with biologically important amines: Cyclam, spermine and melamine, *Journal of Molecular Structure*.
- Liu, W., Shaikh, D. B., Rao, P. S., Bhosale, R. S., Said, A. A., Mak, A. M., Wang, Z., Zhao M., Gao W., Chen, B., Lam, Y.M., Fan, W., Bhosale S. V., Bhosale S.V., Zhang Q., (2020). Molecular aggregation of Naphthalene Diimide (NDI) derivatives in electron transport layers of inverted perovskite solar cells and their influence on the device performance, *Chemistry-An Asian Journal*. 15(1), 112-121.
- Abbas, K., Hussain, M. A., Bukhari, N. S. A., Amin, M., Tahir, M. N., Bhosale, S.V., (2020). Flurbiprofen conjugates based on hydroxyethylcellulose: Synthesis, characterization, pharmaceutical and pharmacological applications, *Arabian Journal of Chemistry*. 13(1).
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- Morajkar, P. P., Abdrabou, M. K., AbhijeetRaj, E, M., Stephen, S., Ali, M.I., (2020). Transmission of trace metals from fuels to soot particles: An ICP-MS and soot nanostructural disorder study using diesel and diesel/Karanja biodiesel blend, *Fuel*.
- Harmalkar, S. S., Naik, A.V., Nilajakar, M. K., Dhuri S.N., (2020). Chemoselective detection of 2,4,6-trinitrophenol by ground state adduct formation via protonation of quinoline moiety of non-heme ligands with structural evidence, *Chemistry Select*. 5(28) 8447-8454.
- Nadimetla, D. N., Zalmi, G. A., Bhosale, S.V., (2020). An AIE-active tetraphenylethylene-based cyclic urea as a selective and efficient optical and colorimetric chemosensor for fluoride ions, *Chemistry Select*. 5(28), 8566-8571.
- Bhargao, P. H., Hathwar, V. R., Srinivasan, B. R., (2020). A Zinc(II) coordination polymer based on a chain of {Zn<sub>2</sub>O<sub>7</sub>} bitetrahedra bridged by 3-methoxybenzoates, *Chemistry Select*. 5(31), 9820-9824.
- Srinivasan, B. R., (2020). Comments on the paper: "Studies on the Third order nonlinear Optical Properties of a novel o-Phenylenediaminium p-Toluenesulfonate single crystal", *Materials Letters*.
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- Albuquerque, J. V., Shirsat, R. N., (2020). Prelude to molecular dynamics-II: Investigation of potential energy surfaces using Gaussian charge models, *Chemistry Select*. 5(35), 11052-11062.
- Srinivasan, B. R., (2020). Comments on the paper "Customizing optical and dielectric traits of ammonium dihydrogen phosphate (ADP) crystal exploiting Zn<sup>2+</sup> ion for photonic device applications", *Chinese Journal of Physics*. 68; 365-367.
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- trimethoxyphenyl) porphyrin through solvophobic supramolecular self-assembly, *New Journal of Chemistry*. 44(42), 18442-18448.
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#### *Book Chapters:*

- L. R. Gonsalves and R.K. Kunkalekar, *Smart Nanocontainers, Nanocontainer for environmental applications*, Elsevier, 2020



- Kharangate-Lad, A. (De Souza T), Global Implications of the Nitrogen Cycle, The Implications of Nitrous Oxide from Biogenic and Anthropogenic Sources on the Global Nitrogen Cycle, Cambridge Scholars Publishing, 2020
- Kharangate-Lad, A. D'Souza, N. C. (Kumar V and others), Rhizobiont in Bioremediation of Hazardous Waste, Current Approaches in Bioremediation of Toxic Contaminants by Application of Microbial Cells; Biosurfactants and Bioemulsifiers of Microbial Origin, Springer, 2021
- Kharangate-Lad, A., D'Souza N. C. (Kumar V and others), Rhizobiont in Bioremediation of Hazardous Waste, Remediation of Toxic Environmental Pollutants Using Nanoparticles and Integrated Nano-Bio Systems, Springer, 2021
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*Books: Nil*

#### **Ph.Ds**

*Degrees Awarded: 06*

*Thesis Submitted: 05*

*Students on roll: 33*

## 2.6 Goa Business School (GBS)



### Programmes and Degrees:

Management Studies	(M.B.A., Ph. D.)
Commerce	(M.Com., Ph. D.)
Economics	(M.A., M.Phil., Ph. D.)
Computer Science & Technology	(M.C.A., M.Phil., Ph. D.)

**Dean:** Prof. M. S. Dayanand

**Vice-Dean (Academic):** Prof. K. B. Subhash

**Vice-Dean (Research):** Prof. P. K. Sudarsan

### Programme of Management Studies

#### Faculty:

*Full-time*

**Nilesh A. Borde, Ph.D.**, Professor, Finance and Financial Economics (Shareholder Value Creation, Corporate Finance, Capital Markets, Mergers & Acquisitions)

**Purva G. Hegde Desai, Ph.D.**, Professor, Finance & Marketing (Financing & Working Capital) Management in SMEs & Consumer Behavior

**M. S. Dayanand, Ph.D.**, Professor, Marketing and Tourism

**R. Nirmala, Ph.D.**, Associate Professor, Marketing & HR

**Teja Tushar Khandolkar, MBA**, Assistant Professor, Marketing

**Priyanka Naik, M. Com.**, Assistant Professor, Accounting and Finance

**Suraj Pavto Velip, Ph.D.**, Assistant Professor, Accounting and Finance

## Major Thrust Areas and Achievements:

Thrust Areas: MSMEs and Tourism

### Online lecture series

Name of Speaker	Designation & Organisation	Title of Lecture	Date
Dr. Ajit Ranade	Chief Economist, Aditya Birla Group.	Economic Outlook Amidst the Pandemic	12 <sup>th</sup> June 2020
Mr. Henry Mintzberg	Professor of Management studies MCGILL University, Montreal, Canada.	Strategic Management Demystified.	18 <sup>th</sup> June 2020
Mr. Peter Desouza	Internationally Renowned Political Thinker and Professor, Goa University.	Trusteeship and Philosophy.	30 <sup>th</sup> July 2020
Mr. Pravesh Sharma	CEO & Co-Founder, Kamatan Farm Tech Ltd; IAS (Retd)	Building Farmer's Institution to Revitalize Agriculture in Goa.	15 <sup>th</sup> Oct. 2020
Mr. Nitesh Chawla	Professor of Computer Science and Engineering, University of Notre Dame.	Interdisciplinary of Data science and AI: Driving Innovation and Advancing the Common Good.	7 <sup>th</sup> Sept. 2020
Mr. Sujoy Bose	Managing Director & CEO, National Investment and Infrastructure fund of India.	Challenges and Opportunities of Infrastructure Investment in India	20 <sup>th</sup> Oct. 2020
Mr. Bharat Bambawale	Founder of Bharat Bambawale & Associates	Essential Marketing for the Young and Ambitious - A 2020s Perspective.	24 <sup>th</sup> Feb. 2021
Prof. Errol D'Souza	Director - IIM Ahmedabad	Efficiency in Public sector Vs Private sector banks	20 <sup>th</sup> March 2021

**Projects:** Nil

**Research publications:**

*Articles in journals*

- Gore, S.; Borde, N.; Hegde-Desai, P. Assessment of technology strategies for sustainable tourism planning
- D'souza, K.; Hegde-Desai, P., Antecedents of dietary regulation
- Talaulikar, H.; Hegde-Desai, P.; Borde, N., Do risk attitude and trust moderate bank managers' risk perceptions in lending to micro, small, medium enterprises?
- Hegde-Desai, P.; Borde, N.; Nagar, M., Capital structure analysis of MSMEs with reference to start-up and later stages.
- Gore, S.; Borde, N.; Hegde-Desai, P.; George, B., Empirically mapping the evolutionary phases of Tourism Area Life Cycle (TALC): The case of Goa, India
- Dsouza, E.P.; Dayanand, M.S.; Borde, N., The impact of tourist's socio-demographics on the choice of alcohol and choice of drinkscapes
- Vaz De Braganca, A.; Nirmala, R., Nurses' perception about stakeholders' image of a nurse
- Vaz De Braganca, A.; Nirmala, R., Nurse professionalism scale: Development and psychometric evaluation.
- PankajKumar; Nirmala, R., Relationship between gratitude and perceived stress in students in India - The moderating role of gender

**Ph.Ds:**

*Degrees Awarded: 06*

*Submitted: - 01*

*Students on Roll: 28*

## **Programme of Commerce**

**Faculty Board**

Pragamme Director	Member (Ex-Officio)
Prof. Bommadevara Ramesh	Member (Ex-Officio)
Prof. Yeruva Venkata Ramana Reddy	Member (Ex-Officio)
Prof. Guntur Anjana Raju	Member (Ex-Officio)
Prof. K.B. Subhash	Member (Ex-Officio)
Dr. Padyala SriRam	Member (Ex-Officio)

## Master of Commerce (M. Com):

### Faculty:

#### Full-time

**Bommadevara Ramesh**, *Ph.D.*, Professor – Accounting & finance, Capital market studies (functional areas), Entrepreneurship, SMEs, Tourism Sector.

**Yeruva Venkata Ramana Reddy**, *Ph.D.*, Professor (HAG) (on lien) – Finance and Accounting.

**Guntur Anjana Raju**, *Ph.D.*, Professor – Accounting & Finance and Capital market studies.

**K. B. Subhash**, *Ph.D.*, Professor – Venture Capital & Entrepreneurship, Quantitative Techniques, Strategic Management, Marketing Management and Tourism.

**Padyala SriRam**, *Ph.D.*, Assistant Professor and Programme Director – Accounting and Finance.

#### Contractual:

**Ramashanti Naik**, *M.Com.*, Assistant Professor – Accounting and Finance.

#### Tenure:

**Pournima S Dhume**, *Ph.D.*, Assistant Professor - Finance, Capital Market Studies, Taxation, Mutual Funds, Retail Management.

**Pushpender Kumar** *Ph.D.*, Assistant Professor - Accounting & Finance, Cost management.

**Pinky Pawaskar**, *Ph.D.*, Assistant Professor – Consumer Behavior, Tourism, Advertising

**B. G. Poornima**, *Ph.D.*, Assistant Professor – Accounting & Finance, Quantitative techniques, Econometrics, Risk management

**Vitiksha Chandrakant Venji**, *M.Com.*, Assistant Professor – Accounting & Finance

## Research publications:

### Articles in journals (\* in WoS/Scopus Journals):

- Naik P., Reddy, Y. V., (2021). Determinants of Stock Market Liquidity- A Macroeconomic Perspective, *Macroeconomics and Finance in Emerging Market Economies*
- Naik R., Reddy Y. V. (2021). Examination of Long Memory in Indian Stock Market: A Sectoral Juxtaposition, *FIIB Business Review*.
- Naik M. S., Reddy, Y.V. (2021). India VIX and Forecasting ability of Symmetric and Asymmetric GARCH Models, *Asian Economic and Financial Review*, 11(3), 252-262.
- Naik P., Reddy, Y.V., (2021), Stock Market Liquidity: A Literature Review, *Sage Open*, 11(1), 1-15.
- Fernandes K. , Reddy Y.V. (2021). Determinants of Energy Consumption in Newly Industrialized Countries of Asia, *International Journal of Energy Economics and Policy*, 11(1), 93-100
- Raju A. G., Velip, S. P. (2021). “Does Integration in the Asian Frontier, Emerging, and Developed Stock Markets Conceal a Hidden Opportunity for Portfolio Diversification?”; *The Journal of Wealth Management Spring*, 23(4) 76-91.
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- Dhume P. and Makandar H., (2021). "A Systematic Review of Dividend Announcement and Its Impact on the Stock Prices: Evidence from Indian Service Providing Companies", *The IUP Journal of Accounting Research and Audit Practices*, 20(3), 43-59.
- Parab N., Naik R., Reddy, Y.V. (2020). The Impact of Economic Events on Stock Market Returns, *Asian Economic and Financial Review*, 10(11), 1232-1247.
- Bhende, P., Mekoth, N., Ingalhalli, V., and Reddy Y. V. (2020). Quality of Work Life and Work Life Balance, *Journal of Human Values*, 26(3), 256-265.
- Naik P., Poornima, B. G., Reddy Y. V. (2020). Measuring Liquidity in Indian Stock Market: A Dimensional Perspective, *PLoS ONE*, 15(9)
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- Fernandes K., Reddy, Y. V., (2020), Energy Consumption and Economic Growth in newly Industrialised Countries of Asia, *International Journal of Energy Economics and Policy*, 10(4), 384-391.
- Dhabolkar P., Reddy Y. V. (2020). Pricing Efficiency of Exchange Traded Funds in India, *Organizations and Markets in Emerging Economies*, 11(1), 244-268.
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- Jambotkar M., Raju A. G. (2020). "Does Gold retain its Hedge and Safe haven role for Energy Sector indices during COVID-19 Pandemic? A Cross quantile regression Approach"; *International Journal of Energy Economics and Policy*, 11(5), 1-8.
- Marathe, S. and Raju A. G., (2020). "Does Crude Oil Prices have Effect on Exports, Imports and GDP on BRICS Countries? - An Empirical Evidence"; *International Journal of Energy Economics and Policy*, Volume 10(6), 524-528.
- Velip, S. P., Raju Anjana, G. (2020). "Linkages between Oil Sectors Returns of Asian Emerging Stock Markets: Unearthing the Hidden Opportunity for Portfolio Diversification"; *International Journal of Energy Economics and Policy*, 10 (6), 152-156.
- Velip, S. P. and Raju Anjana, G. (2020). "Does Volatility Traverse Between Emerging and Frontier Stock Markets of Asia?"; *Investment Management and Financial Innovations*, 17 (3), 82-96.
- Velip, S. P., Raju A. G., (2020). "Relationship between Asian Emerging Stock Markets and Economic Fundamentals: A Cointegration and Block Exogeneity Wald Approach"; *International Journal of Economics and Business Administration*, 8(3), 280-292.
- Shirodkar, S., Raju A. G. (2020). "Do the Single Stock Futures and the Underlying Stocks Lead-Lag? Empirical Evidence from Indian Markets"; *Journal of Advanced Research in Dynamical and Control Systems*. 12(7), 2442-2449.
- Raju A. G., Shirodkar, S. (2020). "The Lead Lag Relationship between Spot and Futures Markets in the Energy Sector: Empirical Evidence from Indian Markets"; *International Journal of Energy Economics and Policy*, 10(5), 409-414.
- Shirodkar, S. and Raju A. G., (2020). "Derivative Trading and Structural Breaks in Volatility in India: An ICSS Approach"; *Investment Management and Financial Innovations*, 17(2), 334-352.
- Raju A. G., and Marathe, S. (2020). "Relationship between Crude Oil Prices and Macroeconomic Variables: Evidence from BRICS Countries"; *International Journal of Energy Economics and Policy*, 10 (5), 1-8.

- Velip, S. P., Raju A. G., (2020). “Does Sector Diversification benefit exist? - Empirical analysis of Asian Emerging and World Leading Stock Markets”; *Journal of Advanced Research in Dynamical and Control Systems*; 12(7), 2417-2426.
- Jambotkar M., Velip, S. P., Raju A. G. (2020). “Volatility transmission and Hedging effectiveness in Indian Currency Market”; *Journal of Advanced Research in Dynamical and Control Systems*, 12(7), 2431-2441.
- Dhume, P., (2020). Effect of FDI on economic growth of least developing countries-evidence from Bhutan.
- Dhume, P., Viegas, M. (2020). Price volatility of Bitcoins in India-An empirical analysis of Bitcoin prices.
- Dhume, P., Dirsant, P. (2020). Social media usage and the factors influencing academic use-An exploratory study of higher education institution's students.

### **Book Chapters:**

- Castanha, J; Subhash, K.B. (Pillai, S.K.B) and Indrawati (2020). What Influences Consumer Behaviour Towards Information and Communication Technology Applications: A Systematic Literature Review of UTAUT2 Model. In *ICT Systems and Sustainability - Proceedings of ICT4SD 2020*, Vol 1. (Eds) Milan Tuba, Shyam Akshay and Amit Joshi. Springer Nature, Singapore (In Press).
- Carrasco, M; Talkar N; Subhash, K.B. (Pillai, S.K.B); Indrawati; Castanha, J (2020). “What Constitutes Brand Loyalty in e-tailing?”. In *Digital Economy for Customer Benefit and Business Fairness*. (Eds) Anggadwita and Martini. Taylor & Francis, London. 78-84.
- Gaunekar, D; Subhash, K.B. (Pillai, S.K.B); Indrawati; Castanha, J (2020). “Paradoxes of Healthcare in Goa”. In *Digital Economy for Customer Benefit and Business Fairness*. (Eds) Anggadwita and Martini. Taylor & Francis, London.
- Indrawati, Gaffar, M.R; Subhash, K.B. (Pillai, S.K.B) (2020). External and Internal Factors of Mobile Games Adoption in Indonesia. In *Digital Economy for Customer Benefit and Business Fairness*. (Eds) Anggadwita and Martini. Taylor & Francis, London. 64-70.
- Indrawati; Pradhina N.P and Subhash, K.B. (Pillai, S.K.B) (2020). Factors influencing continuous intention adoption of digital banking application using UTAUT2 Model. (Es) Noviaristani, Hanafi & Trihanondo. Taylor & Francis, London. 103-106.
- Indrawati; Hasana, S.A; Subhash, K.B. (Pillai, S.K.B) (2020). User’s Continuance Intention towards Hospitality Service Application. In *Understanding Digital Industry*. (Es) Noviaristani, Hanafi & Trihanondo. Taylor & Francis, London.

### **Ph.Ds:**

*Degrees Awarded:* 07      *Submitted:* -Nil      *Students on Roll:* Nil

### **Conference Presentations**

- Jambotkar M.; and Anjana Raju, G. (2021). “Does resilience of gold act as a safe haven asset during the covid-19 pandemic?”; 4th International conference on covid-19 studies, Istanbul, Turkey April 17 - 19, 2021.
- Velip, S.P. and Anjana Raju, G. (2020). “Does Integration vary between Asian Developed



and World leading Stock Markets? - Revisit during Asian, Global and COVID -19 Crises”; ASPIRE - A Multidisciplinary International Conference, 20th and 21st November 2020.

- Sriram.P, three-day International Conference on Economics and Finance (ICEF) 2020, jointly organised by BITS Pilani KK Birla Goa Campus and Robert J. Trulaske Sr. College of Business University of Missouri, participated and presented a paper titled “Efficiency of Commodity Futures Market in India: An Empirical Study of Energy Based Commodities Traded on Multi Commodity Exchange (MCX), held at BITS Pilani KK Birla Goa Campus, held during January 23-25, 2020.
- Sriram.P, One Day National Conference on “Innovations and Integration in Financial Markets” organised by Swami Vivekanand Vidyaprasarak Mandal’s College of Commerce and presented the paper titled ‘Volatility Modelling of Commodity Markets in India: An Empirical Study of Commodities Gold and Silver”, held on 20th February, 2020.
- Sriram.P, two-day national seminar on “Derivatives Accounting and Taxation, organised by Department of Commerce UGC SAP DRS II, School of Management, Pondicherry University and presented a paper on “Efficiency of Commodity Futures Market in India: An Empirical Study of Commodities 3 Gold and Silver Traded on Multi Commodity Exchange, held on 6th and 7th March, 2020.
- Sriram.P, two-day national seminar on “Derivatives Accounting and Taxation, organised by Department of Commerce UGC SAP DRS II, School of Management, Pondicherry University and presented a paper on “An Empirical Investigation into Casual Relation of Spot and Futures Markets and Hedging Effectiveness with reference to Futures”, held on 6th and 7th March, 2020.
- Sriram.P, two-day national seminar on “Derivatives Accounting and Taxation, organised by Department of Commerce UGC SAP DRS II, School of Management, Pondicherry University and presented a paper on “Market Efficiency and Hedging Effectiveness of Agricultural Commodities Traded in Indian Commodity Markets”, held on 6th and 7th March, 2020.
- Sriram.P, two-day national seminar on “Derivatives Accounting and Taxation, organised by Department of Commerce UGC SAP DRS II, School of Management, Pondicherry University and presented a paper on “An Empirical Investigation of Evidence on the Volatility of Future and Spot Prices of Bullion Commodity”, held on 6th and 7th March, 2020.
- Sriram.P, two-day national seminar on “Derivatives Accounting and Taxation, organised by Department of Commerce UGC SAP DRS II, School of Management, Pondicherry University and presented a paper on “InterLinkages Between Spot and Future Prices of Non-Agro (Base Metals) Commodities In India”, held on 6th and 7th March, 2020.

## **Master of Business Administration-Financial Services (MBA-FS):**

### **Faculty**

*Full-time*

**Harip Khanapuri**, *Ph.D.*, Associate Professor – Accounting, Corporate Finance, Capital Markets

**Pournima Dhume**, *Ph.D.*, Assistant Professor – Finance, Capital Market Studies, Taxation, Mutual Funds, Retail Management

**Prachi Premanand Kolamker, Ph.D.**, Assistant Professor – Corporate Governance, Accounting, Finance.

**Pinky Pawaskar, Ph.D.**, Assistant Professor – Consumer Behavior and Behavioral Finance

**Narayan Parab, Ph.D.**, Assistant Professor – Capital Markets, Security Analysis, Econometrics for Finance

**Sanjeeta Parab, Ph.D.**, Assistant Professor – Derivatives, Commodity Market, Information and Market Efficiency

**Jick Castanha, Ph.D.**, Assistant Professor – Tourism, Marketing, Finance

## **Major Thrust Areas and Achievements**

### *Thrust Areas*

Financial Services, Financial Modeling, Corporate Finance, Financial Markets

## **Seminars, Conferences, Workshops, etc., organized:**

Organized Alumni Connect Lecture Series for MBA-FS Students in February 2021

## **Research Publications:**

### *Articles in journals (\* in WoS/Scopus Journals):*

- Dhume, P., Viegas M., (2020). Price Volatility of Bitcoins in India - An Empirical Analysis of Bitcoin Prices, IASSI -Quarterly - Contribution to Indian Social Science, 39(2), 317-331.
- Dhume, P., Dirsant P.,(2020). Social Media Usage and the Factors Influencing Academic Use – an Exploratory Study of Higher Education Institution’s Students, International Journal of Advanced Science and Technology, 29(6), 7737-7750.
- Dhume, P., Kumar P., (2020). Effect of FDI on Economic Growth of the Least Developing Countries - An Evidence From Bhutan, NMIMS Management Review, 38(3), 108-117.
- Pawaskar, P. (2020). Travel Motivation and Choice of Destination Attributes: Empirical Evidences based on Tourist Perceptions, International Journal of Advanced Science and Technology, 29(8), 634-649.
- Shirodkar, S., & Raju Guntur Anjana. Futures Trading, Spot Price Volatility and Structural Breaks: Evidence from Energy Sector. International Journal of Energy Economics and Policy, Econjournals, vol. 11(4), (2021), 230-239.
- Shirodkar, S. & Guntur A. R. (2021). Nexus between Crude Oil, Exchange Rate and Stock Market Returns: An Empirical Evidence from Indian Context. International Journal of Energy Economics and Policy 11(3), 170-175.
- Gadekar, S., Pillai S. K. B., Castanha, J., Indrawati. (2020). What lies Beneath: The Untapped potential of Retail Marketing using Online Platform: A Case Study of Goa, India. 3D Journal of Leadership and Management, 12 (1), 66-78.
- Gaonkar, D. N., Pillai S., Castanha, J., Chang, L., Chen, R., (2021). Paradoxes of Customer Satisfaction in Telecommunication Industry in Goa, India. International Journal of Learning and Change, 13(3), 264-288.

### *Conference Presentations, Lectures, etc.*

- Noronha, A. and Khanapuri, H. Is #Minimalism a Hint for Developing New Marketing Toolkit? An Exploratory Sentiment Analysis of Twitter Messages Using Machine Learning Techniques. National Conference ABHIPSA-2021 jointly organized by Rohidas Patil Institute of Management Studies and University of Mumbai, April 17, 2021.
- Parab, N. and Naik, R. Persistence, Anti-Persistence and Interdependencies in Indian Stock Market Returns, Liquidity and Volatility: An ARFIMA Approach. 21st International

Business Horizon INBUSH ERA WORLD SUMMIT 2021 organized by Amity University, U.P. from 17th February 2021 – 19th February 2021.

#### *Book Chapters*

- Castanha, J; Pillai, S.K.B; Indrawati. (2021). What influences Consumer Behavior towards Information and Communication Technology Applications: A Systematic Literature Review of UTAUT2 Model. *Advances in Intelligent Systems and Computing: ICT Systems and Sustainability: Proceedings of ICT4SD 2020, Volume 1*, 317-327, Springer Nature, Singapore. [Springer] [[https://doi.org/10.1007/978-981-15-8289-9\\_30](https://doi.org/10.1007/978-981-15-8289-9_30)]

#### *Lectures on other occasions:*

- Khanapuri, H. “Secondary Data Analysis - Application of VAR Models” at Certificate course in Research Methodology organized by V.V.M.’s Shree Damodar College of Commerce & Economics, Margao, Goa on 3<sup>rd</sup> April 2021.
- Khanapuri, H. “Research Methodology” at workshop organized by MES College of Arts and Commerce, Zuarinagar on 7<sup>th</sup> November, 2020.
- Parab, N. “How to Write Research Paper in Commerce” at lecture series on research organized by Department of Research, Development and Innovation, Sant Sohirobanath Ambiye Government College of Arts & Commerce, Virnoda, Pernem, Goa on 23<sup>rd</sup> February 2021.
- Parab, N. “How to Publish Research Paper in Scopus, Web of Science and UGC Care Journals” at lecture series on research organized by Department of Research, Development and Innovation, Sant Sohirobanath Ambiye Government College of Arts & Commerce, Virnoda, Pernem, Goa on 24<sup>th</sup> February 2021.
- Parab, N. “Overview of Options Derivative Trading in India” organized by Government College of Arts, Science & Commerce, Khandola, Goa on 25<sup>th</sup> February 2021.
- Parab, N. “Quality Research Paper Writing & Publication” organized by V.V.M.’s Shree Damodar College of Commerce & Economics, Margao, Goa on 27<sup>th</sup> February 2021.

## **Programme of Economics**

### **Faculty Board**

Pragranne Director	Member (Ex-Officio)
Prof. (Smt) Silvia Maria De Mendonca Noronha	Member (Ex-Officio)
Prof. P. K. Sudarsan	Member (Ex-Officio)
Prof. Pranab Mukhopadhyay	Member (Ex-Officio)

### **Faculty:**

#### *Full-time*

**Silvia Maria De Mendonca Noronha, Ph.D.**, Professor and Head – Labour Economics & Industrial Relations, Development Economics.

**P. K. Sudarsan, Ph.D.**, Professor - International Economics, Economic Theory, Applied Economics.

**Pranab Mukhopadhyay, Ph.D.**, Professor - Environment, Macroeconomics, Growth.

**Sarath Chandran, Ph.D.**, Professor - International Economics, Regional Economic Integration.

**Heena S. Gaude, M.A.**, Assistant Professor - Macroeconomics, Spatial Economics.

**Avina Kavthankar, M.A.**, Assistant Professor - Public Finance, Indian Economics.

#### Online lecture series:

Name of the Scholar	Institution	Title of Lecture	Date
Dr. William Joe	Institute of Economic Growth	When it rains, it pours: stylized facts on covid 19 pandemic and calibrated policy response	29/07/2020
Prof. Chetan Ghate	Indian Statistical Institute, New Delhi	Redistribution policy Shocks and Monetary Policy with Heterogenous Agents	20/11/2020
Prof. Nitya Nanda	Council for Social Development, New Delhi	Can India redeem its Economics Space? Industrial competitiveness in Post Covid era	03/05/2021
Prof. Sanil Mani	Director and Reserve Bank of India Chair Professor at the Centre for Development Studies (CDS)	Late Dr. G.V. Kamat Helekar Memorial lecture on " India's innovation performance in the post TRIPS phase"	24/05/2021

#### Projects:

Project Investigator	Status	Title	Funding agency	Grant (Rs. in Lakhs)
Mukhopadhyay, P.	May 2021- May 2021	Consultant contract	International Centre for Integrated Mountain Development, Kathmandu, Nepal	2.52

#### Awards:

Name of full-time teachers receiving awards from state	Year of Award	Designation	Name of the award, fellowship, received from Government or Government
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level, national level, international level			recognised bodies
Prof. Pranab Mukhopadhyay	2020-21	Professor	State Teachers Award 2020-21

### Research publications:

*Articles in journals (\* in WoS/Scopus Journals):*

- Mahaprashasta, J., Mukhopadhyay P., Pattanayak S. K., (2020). "Willingness to pay avoid flooding in Cuttack, India". *International Journal of Disaster Risk Reduction*.
- Lolayekar, A. P., Desouza S., Mukhopadhyay P., (2020). "Crimes against women in India: A district-level analysis (1991-2011)". *Journal of Interpersonal Violence*,
- Lolayekar A. P., and Mukhopadhyay P. (2020). "Understanding growth convergence in India (1981–2010): Looking beyond the usual suspects".15(6)
- Mukhopadhyay, P., Ghosh S., Da Costa V., Pednekar S. (2020). "Recreational Value of Coastal And Marine Ecosystems In India: A Macro Approach", *Tourism in Marine Environments*. 15(1), 11–27.
- Mukhopadhyay, P., Ghate R. (2020). "Forever Restless", *Ecology Economy, and Society—the INSEE Journal*, 3(2), 219-222.
- Mukhopadhyay, P., Sudarsan, P. K., Tapaswi M. P., (2020). "Optimal Ph D student–teacher ratio for Indian research universities: a production function approach" *Current Science*, 118(1), 24-25.
- Devi, P. S., Sudarsan, P. K., (2021) Determinants of Migration to Goa, India: A Gravity Model Analysis, *The Indian Journal of Labour Economics* 64(2), 458-498
- Dhaneeshkumar, T. K, Sudarsan, P. K., and Pournima, B. G. (2021), Exchange Rate and its impact on India's Trade with its Major Trading Partners: A Pooled Mean Group Approach, *International Journal of Trade and Global Markets*, 15(1).
- Andrade X, F., Lolayekar A., and Mukhopadhyay P. (2021). "Decentralization and its impact on growth in India". *Journal of South Asian Development*, 16(1), 130-151.
- Nagendra, H., Mukhopadhyay, P., and Ghate R. (2021). "Celebrating Jodha: And Revisiting the Commons", *Ecology Economy, and Society—the INSEE Journal*, 4 (1), 59-69.

*Book chapter (\* in Scopus list)*

- Ranadhir Mukhopadhyay, Victor J Loveson, Sridhar D Iyer and P. K. Sudarsan (2021) *Blue Economy of the Indian Ocean, Resource Economics, Strategic Vision, and Ethical Governance*, CRC Press, Taylor and Francis Group.

### Ph.Ds:

*Degrees Awarded: Nil*

*Submitted: Nil*

*Students on Roll: Nil*

## Programme of Computer Science & Technology

### Faculty:

*Full-time*

**Venkatesh V. Kamat**, *Ph.D.* Professor - Computer Graphics & CAD, Software Engineering, E-learning.

**Yma F. Pinto**, *M.C.A.*, Associate Professor and Head – Data Base Management Systems, Operating Systems, Computer Science and Education

**Ramrao S. Wagh**, *M.C.A.*, Associate Professor (on deputation) – Software Architecture, Object Oriented Tech., Agile and Lean Methods, Educational Technology

**Jyoti D. Pawar**, *Ph.D.*, Professor – Data Mining, Data Structures, Natural Language Processing (NLP).

**Ramdas N. Naik Karmali**, *M.C.A.*, Assistant Professor – Data Communications and Computer Networking, Natural Language Processing (NLP), Web Technology

**S. Baskar**, *M.Sc.*, Associate Professor – Compiler Construction, Machine Learning

**P. Payaswini**, *Ph.D.*, Assistant Professor – Data Communication and Networking, Data Structures

**Jarret Stevan Anthony Fernandes**, *M.C.A.* Assistant Professor - Human Computer Interaction (HCI), Software Engineering, Mobile Technology.

**Preeti R. Khorjuvenkar**, *M. Tech.* Assistant Professor - Data Structures, Programming & Problem Solving, Swarm Optimization Algorithms

### Major Thrust Areas:

Aspect Oriented Programming; Machine Learning; Computer Aided Design; Computer Science Education; Data Base Management Systems; Systems Computing and Computer Networking; Natural Language Processing (NLP); Object Oriented Technology; Operating Systems; Software Architecture; User Experience (UX/UI) Design & Engineering; Virtual/Augmented/Mixed Reality.

### Seminars, Conferences, Workshops, etc., organized:

Name of the Scholar	Institution	Title of Lecture	Date
Pradeep B. Deshpande, Professor Emeritus	University of Louiseville	The Secret of Exemplary Performance	23 Jan. 2020
Dr. Sanjay Kamat	Bell Labs	Careers in Data Science	29 Sept. 2020
Mr. Nitin Kadam	CA Europe Cloud, Capgemini	Cloud Enterprise architecture	12 Dec. 2020
Prof. Deepak Dahiya	Majmaah University	CyberSecurity	21 Nov. 2020
Shri. Argya Pal	IIT Hyderabad	PhD Research	11 May 2020

### Ph.Ds:

*Degrees Awarded: Nil*

*Submitted: Nil*

*Students on Roll:14*



## 2.7 School of Earth, Ocean and Atmospheric Sciences (SEOAS)



### Programmes and Degrees:

Marine Sciences (M.Sc., M.Phil., Ph.D.)  
Applied Geology (M.Sc.); Earth Science (M.Phil., Ph.D.)  
Marine Microbiology (M.Sc.)

**Dean:** Prof. Harilal B. Menon

**Vice-Dean (Academic):** Prof. Mahender Kotha

**Vice-Dean (Research):** Prof. Vishnu Murty Matta

## Programme of Marine Sciences

### Faculty:

#### Full-time

**Harilal B. Menon, Ph.D.**, Professor (HAG) - 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.

**Chandrashekhar U. Rivonker, Ph.D.**, Professor - Marine Biodiversity and Ecology, Fisheries, Aquaculture, Phytoplankton Ecology.

**Vishnu Murty Matta, Ph.D.**, Professor - Marine Chemistry, Environmental Chemistry, Seaweed Chemistry.

**Shankarshana Upadhyay, Ph.D.**, Associate Professor - Marine Chemistry, Estuarine Chemistry, Aquatic Geochemistry.

**Aftab A. S. Can, Ph.D.**, Assistant Professor - Air-sea interactions, Indian summer monsoon, ocean circulation.

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

**Sheryl Oliveira Fernandes, Ph.D.**, Assistant Professor - Marine microbial ecology, Marine biogeochemistry.



**CSIR-Emeritus Scientist:**

**G. N. Nayak, Ph.D.**, Retired Professor - Marine Geology and Marine Geochemistry

## **Programme of Applied Geology**

**Faculty:**

*Full-time*

**Mahender Kotha, Ph.D.**, Professor - Sedimentology, Petroleum Geology of Mesozoic Basins, Application of GIS and Remote Sensing in Earth Sciences.

**Anthony Arthur A. Viegas, Ph.D.**, Associate Professor - Igneous Petrology.

**Niyati Gopinath Kalangutkar, Ph.D.**, Assistant Professor - Igneous Petrology and Volcanology.

**Poornima Rohan Sawant, Ph.D.**, Assistant Professor - Mineralogy, Geochemistry and Igneous Petrology.

**Pooja P. Ghadi, M.Sc.**, Assistant Professor - Polar Micropaleontology, Paleoclimate, Structural Geology.

**Nicole Ann Fae Sequeira, Ph.D.**, Assistant Professor - Structural Geology, Metamorphic Petrology and Precambrian Tectonics.

**Mahesh M. Mayekar, M.Sc.**, Assistant Professor - Groundwater Geology, Igneous Petrology.

**Sohini Ganguly, Ph.D.**, SERB - Research Scientist - Igneous Petrology, Volcanology and Geochemistry.

## **Programme of Marine Microbiology**

**Faculty:**

*Full-time*

**Priya Mallika D'Costa, Ph.D.**, Assistant Professor and Programme Director - Marine Microbiology, Interactions between Bacteria and Phytoplankton, Diatom Diversity, Biofilms.

**Varada S. Damare, Ph.D.**, Assistant Professor - Marine Microbiology, Microbial Ecology, Marine Protists, Microbial Bioprospecting, Bioremediation, Trophic Interactions.

**Chanda Vikrant Berde, Ph.D.**, Assistant Professor - Microbial bioremediation, Marine microbiology, microbial secondary metabolites, archaea, endophytic microorganisms

**Nikita Pradip Lotlikar, Ph.D.** Assistant Professor - Microbial biochemistry, marine mycology.

**Sangeeta Mahableshwar Naik, Ph.D.**, Assistant Professor - Marine Biogeochemistry and Marine Ecology.

**Major Thrust Areas and Achievements:**

#### Thrust Areas:

- Marine Sciences: Aerosol and Radiative Forcing, Application of GIS & Remote Sensing, Aquatic Chemistry, Coastal Water Optics, Estuarine Chemistry and Geochemistry, Fisheries and Aquaculture, Marine Biodiversity, Seaweed Chemistry.
- Applied Geology: Modern Sedimentology, Sediment Geochemistry, Petroleum Geology of Mesozoic Basins, Igneous Petrology and Volcanology, Micropalaeontology, Ground water Geology, Micro plastics, Structural Geology, Metamorphic Petrology.
- Marine Microbiology: Microbial bioremediation, Marine microbial secondary metabolites, Marine associated microbiome, Bacteria-Phytoplankton interactions, Archaea, Biofilms, Marine Protists, Microbial Bio-prospecting, Marine Mycology.
- Environmental Science: Environmental Impact Assessment, Ground water resource management, Solid waste management, Biodegradation and sustainable development with emphasis on local issues.

#### Projects:

Project Investigator	Title	Funding agency	Grant (Rs. in Lakhs)
Prof. Menon, H. B.	Establishing A Network Station at Goa University for Atmospheric Boundary Layer Measurements Under the NOBLE Project (April 2017-March 2022)	ISRO	50
Prof. Menon, H. B.	Aerosol Radiative Forcing over India (April 2017 - March 2022)	ISRO	50
Prof. Menon, H. B.	Analysis of Optical Properties of Coastal and Estuarine Waters and Development of Algorithm to Retrieve Chromophoric Dissolved Organic Matter from an Optical Sensor (April 2019-March 2022)	NRB, MoD	46.31
Dr. Nasnodkar, M. R.	Understanding Bioavailability and Bioaccumulation of Metals in Selected Benthic Biota in the Aganashini Estuary, Karnataka: Implications of Metal Toxicity (January 2020-23)	UGC	10

#### Research publications:

##### Articles in journals (\* in WoS/Scopus Journals):

- Hulswar S., Menon H. B., Anilkumar N. (2020) Physical-chemical characteristics of composite aerosols in the Indian Ocean sector of the Southern Ocean and its associated effect on insolation: A climate perspective. *Deep Sea Research Part II: Topical Studies in Oceanography* 178:104801.
- Cruz T. C., Nayak G. N., Tiwari A. K., Nasnodkar M. R. (2020) Assessment of metal pollution and bioaccumulation of metals by edible bivalve *Polymesoda erosa* in the Zuari Estuary, west coast of India. *Marine Pollution Bulletin* 158: 111415.
- Gaonkar C. V., Matta V. M. (2020) Assessment of metal contamination in a tropical estuary, West Coast of India. *Environmental Earth Sciences* 79(1):2.

- Gaonkar C. V., Kumar A., Matta V. M., Kurian S (2020) Assessment of crustal element and trace metal concentrations in atmospheric particulate matter over a coastal city in the Eastern Arabian Sea. *Journal of the Air & Waste Management Association* 70(1):78-92.
- Prabhudessai S., Rivonker C. U. (2020) Distribution of dinoflagellate cysts along the salinity gradient in two tropical estuaries along the West coast of India. *Marine Micropaleontology* 156:101852.
- Choudhary S., Nayak G. N., Khare N. (2020) Source, mobility, and bioavailability of metals in fjord sediments of Krossfjord-Kongsfjord system, Arctic, Svalbard. *Environmental Science and Pollution Research* 27:15130-15148.
- Nayak, G. N. (2020) Processes and factors regulating the growth of an intertidal mudflat within a middle estuarine region of Zuari tropical estuary, west coast of India. *Arabian Journal of Geosciences*. 13(2):48.
- Li, S. S., Santosh, M., Farkaš, J., Redaa, A., Ganguly, S., Kim, S. W., Zhang, C., Gilbert, S. & Zack, T. (2020). Coupled U-Pb and Rb-Sr laser ablation geochronology trace Archean to Proterozoic crustal evolution in the Dharwar Craton, India. *Precambrian Research*, 343, 105709.
- Panandiker, A. P., Mello, L., Venkatesh, B., Kotha, M., & Chachadi, A. G. (2020). Climate Trends Over Goa: Statistical Analysis of Observations and Reanalysis Datasets for Better Water Management. *J. Indian Water Resour. Soc.*, Vol. 40, No. 3 & 4, Jul. & Oct., pg. 10-20.
- Prasad, P., Loveson, V. J., Kotha, M., & Yadav, R. (2020). Application of machine learning techniques in groundwater potential mapping along the west coast of India. *GIScience & Remote Sensing*, 57(6), 735-752.
- Prerna, R., & Mahender, K. (2020). Geomorphometric comparison of submarine channel-levée complexes with fluvial river systems: observations from the Indus. *Geo-Marine Letters*, 40(5), 573-592.
- Dhawaskar, P., Ganguly, S., Mukhopadhyay, R., Manikyamba, C., Iyer, S. D., Karisiddaiah, S. M., & Mahender, K. (2020). Geochemical heterogeneity along the Vema Fracture Zone, Indian Ocean: Mixing of melts from the Reunion plume and the Central Indian Ridge. *Geological Journal*, 55(1), 330-343.
- Naik, R.K., Chakraborty, P., D'Costa, P.M., Anil Kumar, N., Mishra, R.K., Fernandes, V. (2021) A simple technique to mitigate microplastic pollution and its mobility (via ballast water) in the global ocean. *Environmental Pollution*, 283: 117070.

#### **Ph.Ds:**

*Degree Awarded: 08*

*Submitted: 11*

*Students on Roll: 26*

#### **Conference Presentations, Lectures, etc.**

*Conference presentations/ lectures*

- Berde, C. V. Invited talk on 'Role of microorganisms in sustainable development' at Two days International multidisciplinary web conference on 'Growth and environment in challenging times: the strategy ahead' ACS college, Lanja, Maharashtra. 4-5 Aug 2020.
- Antony A. A. Viegas, Lecture delivered to participants of Refresher Course in Environmental Sciences held at HRDC Goa University, 16 January 2020.

**Awards:** Nil

## 2.8 Centre for Study of Social Exclusion & Inclusive Policy (CSSEIP)

### Faculty:

#### *In-Charge:*

Ganesha Somayaji, *Ph.D.*, Professor

#### *Contractual:*

Vijay M. Gawas, *Ph.D.*, Assistant Professor cum Assistant Director

### Major Thrust Areas and Achievements:

#### *Thrust areas:*

- Conceptualizing discrimination, exclusion and inclusion based on caste/ethnicity and religion.
- Developing understanding of the nature and dynamics of discrimination and exclusion.
- Contextualizing and problematizing discrimination, exclusion and inclusion.
- Developing an understanding of discrimination at an empirical level.
- Formulating policies for protecting the rights of these groups and eradicating the problem of exclusion and discrimination.

### Research publications:

#### *Book chapters:*

- Gawas, V., (2020), Covid-19: Tribal issue and Challenge, in Book chapter on Recent Trends in Humanities and Social science, 1, 83-94..
- Gawas, V. (2021), New Education Policy 2020 and Major Reforms in the Education System in India, in Book chapter on Recent Trends in in Education, 7,17-28,

#### *Seminar Paper Presentation:*

- Gawas, Vijay, Paper presented on "Relevance of Inclusive Education policy for Development of Scheduled Tribes in India" at two-day World Conference on Education organized by GVM's Dr. Dada Vaidya College of Education – Goa on "Education in 21<sup>st</sup> Century: A Blended Perspective, on 13<sup>th</sup> & 14<sup>th</sup> August 2020.

#### *Seminar Participation:*

- Attended Webinar on "Caste & Reservations under the Constitution" Event Date: Sunday, 20th September, 2020 Event Timing: 06:00pm to 07:30pm organized AP Legal Chambers Advocates and Solicitor, New Delhi and Chennai.
- Attended International Webinar on "Thoughts & Philosophy of Mahatma Gandhi" organized as part of the 150th Birth Anniversary of Mahatma Gandhi by the Centre for Deendayal Upadhyaya Studies, Central University of Himachal Pradesh in association with Gandhi Bhavan, University of Delhi, on August 22, 2020 from 3:00 to 5:00 pm.
- Attended one-day Webinar on New Education Policy: - Social Dimensions by Department of Sociology, Gujarat University, Navrangpura, Ahmedabad, and Gujarat on 24th October, 2020.
- Attended a "National Webinar on COVID 19 Pandemic: its Legal Impact and Lessons for the Future" jointly organized by The Law School, University of Jammu and Maharashtra National Law University Mumbai on 17th September 2020.

**PART 3**  
**INNOVATIVE PROGRAMMES**

## **PART 3: INNOVATIVE PROGRAMMES/SCHEMES**

### **3.1 Directorate of Research Development & Resources Mobilisation Cell (DRDRM)**

- Research Projects Funded during 2020-21: ZERO research projects have been funded by the following agencies - UGC, DST, MHRD, SERB, CSIR, IESSR, GSBB, DST-DDP, EIC, DSTE, MOES, ITALY-INDIAN CELL, MOEFCC.
- Consultancy Projects Undertaken: 03 consultancy projects were sanctioned to the faculty members of the University by following funding agencies – ICIMOD (NEPAL), UNCTAD-GENEVA-SWITZERLAND, INFINITY AGROTECH.
- Research Projects in Progress: A total of ZERO research projects were sanctioned for this year (due to Covid Pandemic).
- New Research Proposals Submitted: 59 project proposals have been submitted for funding to the following funding agencies --- UGC, DST, MHRD, SERB, CSIR, GSBB, DST-DDP, EIC, DSTE, MOES, ITALY-INDIAN CELL, MOEFCC.
- Goa University with financial support from Goa State Council of Science & Technology, Department of Science, Technology & Environment, Govt. of Goa has established a Patent cell at the University. This Patent cell is managed by the Intellectual Property Assessment Committee (IPAC) and is supported by DRDRM. One patent proposal was recommended and filed during this period.
- Laptops Scheme was undertaken by RDRM through Seed money grants for the new faculty member. Total 46 number laptops were purchased under this scheme.

**Prof. Jyoti D. Pawar**  
**Prof. Sunder N. Dhuri**  
**Director, DRDRM**

### **3.1 Directorate of Extra Mural Studies and Extension Services (DEMS & ES)**

- On 18-12-2020, Dr. Reshma Raut Dessai from the Department of Physics spoke on "Glimpses of Total Solar Eclipse and Other Spectacular Astronomical Events". Over 45 people attended the interactive session.
- On 15-1-2021, Dr. Isabel S. R. Vas, renowned theatre personality conducted a webinar on "Significance of the Arts in Individual & Social Welfare".
- On 19-2-2021, another webinar by her was conducted "Flying Together with Theatre". Both the webinars had an attendance of people from all walks of life and were well attended.

Due to prevailing COVID situations in the academic year, the activities were restricted to only webinars.

**Dr. Anthony Viegas**  
**Director, EMS & ES.**

### 3.2 Directorate of Digital Learning & Initiatives (DDLI)

The Directorate of Digital Learning and Initiatives (DDLI) is one of the University's oldest centres, which was established in the year 2002 (then known as Distance Education and Training Infrastructure - DEITI). The concept was visualized based on the directives and guidelines of the Ministry of Human Resource Development (MHRD), the Government of India to impart education using modern digital technology via satellite mode reaching out to the remotest areas across the state of Goa.

The facility is equipped with a state-of-the-art, fully acoustic lecture recording studio floor with a multi-cam setup. The videos are recorded in full HD (capable of producing in 6K) and have excellent post-production applications & equipment.

The centre initially started to broadcast the video (then overextended C-Band, PAL/SD) targeting higher secondary schools and college students of the state of Goa. Subsequently, the facility was further extended to Education Department, Goa under Sarva Shiksha Abhiyan for training the primary teachers over the satellite mode. The facility was also used by Goa Medical College under Continuing Medical Education (CME) programme and various video conferences were conducted to train doctors and personnel from the medical field.

In recent years, DDLI is fully devoted to the production of Massive Open Online Courses (MOOCs). DDLI produced the first MOOCs in Marine Science under Annual Refresher Programme in Teaching (ARPIT) for India's first MOOCs platform SWAYAM (<https://swayam.gov.in/>) in the year 2018-2019. DDLI also encourages Goa University faculty to generate e-content on the lines of SWAYAM for other universities too.

During 2020-21, as the pandemic forced academic institutions to remain shut, teaching-learning changed from conventional classroom to online mode. DDLI made every effort to train the teachers, and faculty in generating e-content. Around 400+ university and college teachers were provided hands-on training on Open Broadcast Software (OBS) and were made self-sufficient in creating online learning material.

Thus, the centre is engaged in disseminating knowledge to a wide spectrum of populations bisecting geographical boundaries, languages, and socio-economic barriers and is committed to fulfilling the following objectives:

- To create a digital learning environment.
- Act as a catalyst between faculty and various modes of digital learning.
- Encouraging usage of teaching - learner ICT technologies.
- Providing exposure to the latest teaching tools.



## ONGOING PROJECTS

- DISHTAVO (The online learning initiative by the Directorate of Higher Education (DHE), Government of Goa) which is a comprehensive and holistic programme addressing the needs of online education in different programs of study such as; BA, BSc, etc under the Goa University, Goa at the UG and PG level.
- Recording of MOOCs in Music for Directorate of Higher Education, Goa
- Certificate Course in Konkani Language by Department of Konkani, Goa University.

Apart from this, the directorate is also actively hosting training programmes for in-service teachers (as part of HRDC refresher/orientation programmes) in e-content development. Students of mass communication from various affiliated colleges and students from BEd colleges are trained in the use of ICT tools and integrating them into the formal education process.

The directorate also provides services for video documentation, video conferencing, and webcasting to the university departments and other directorates.

**Prof. Kaustubh R. S. Priolkar**  
**Director, DDLI**

### 3.3 Workstation for Microdata from Census

The initiative to host the Census Data Workstation was taken by Goa University in response to the invitation received from the Director of Census Operations. The Memorandum of Understanding (MOU) for setting up the workstation was signed by Joint Director, Directorate of Census Operations, Goa Registrar, Goa University, and the workstation was established in the Goa University Library building.

The objective of setting up a microdata station was to permit qualified researchers optimum use of anonymized sample microdata from the census for in-depth research. Workstation enables the researchers to have access to microdata that is not published by the census.

This facility would be available to all including those who are not part of the University system. The workstation does not permit the researchers to take out or copy the data. The researcher would be allowed to process the sample microdata using the software available in the workstation and generate the tables for use. Only computer printouts of the tables so generated will be allowed to be taken out of the workstation. The workstation has a fully air-conditioned lab with 5 computer terminals and software required to access and process the microdata.

**Coordinators: Prof. P. K. Sudarsan, GBS**  
**Dr. V. Gopakumar, Librarian**

### 3.4 Directorate of Visiting Chair Research Professors Programme (DVRPP)

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, 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 the Directorate of Art and Culture, the Government of Goa and two chairs have been privately funded through generous grants. The full list of Visiting Research Professors including the new appointments is as follows:

#### The Sessions under VRPP scheme for the year 2020 - 2021

1	D D Kosambi Chair in Interdisciplinary Studies	Prof. Romila Thapar
		Dr. Sudhir Kakar
		Prof. Madhav Gadgil
		Prof. Shahid Amin
		Prof. Dhruv Raina
		Prof. Saurabh Dube
		Prof. Ishita Banerjee Dube
		Prof. Kumkum Roy
		Prof. Peter D'Souza
		Prof. Ramkrishna Ramasawamy
		Prof. P. J. Cheriyan
		Ms. Niraja Gopal Jayal

2	Dayanand Bhandodkar Chair in Political Economy	Prof. Amit Bhaduri
		Prof. Ashok Chandra
		Prof. Satish Deshpande
		Prof. Prabhat Patnaik
		Prof. Rammanohar Reddy

3	Kavivarya Bakibaab Borkar Chair in Comparative Literature	Prof. Ashok Vajpeyi
		Prof. Jeet Thayil
		Prof. Nirmala Jain
		Prof. Uday Bhembre
		Prof. Kiran Budkuley
		Prof. Githa Hariharan
		Prof. Vrinda Nabar
		Prof. Anvita Abbi
		Shri. Sachidanandan K
		Prof. Edwin Thamboo
		Prof. Ganesh Devi

4	Mario Miranda Chair in Art, Fine Art	Prof. Jyotindra Jain
		Prof. Arijit Sen Gupta
		Prof. Vidya Dehejia
		Ms. Shebha Chachi
		Prof. Raman Sivakumar
		Dr. Subodh Kerkar
		Shri. Alexyz

5	Anthony Gonsalves Chair in Western Music	Dr. Santiago Lusardi Girelli
		Mark Troop
		Ms. Patricia Rozario
		Ms. Sonia Shirsat
6	Nana Shirgaokar Chair in Indian Music	Smt. Shubha Mudgal
		Ustad Bahauddin Dagar
		Smt. BombayJayashri
		Smt. Vidya Shah
		Smt. Vidya Rao
		Shri. Ramesh Sukhthankar
7	Sant Sohirobanath AMBIYE Chair	Prof. B V Nemade
		Prof. Somnath Komarpant
		Shri. Milind Wakankar
		Smt. Sonali Kulkarni- Joshi
8	J. H. Cunha Rivera Chair (Funded by Camoes Institute)	Prof. Hugo Canelas Cardoso
		Prof. Susana Sardo
		Prof. Amelia Polonia
		Prof. Walter Rossa
9	Dalai Lama Chair in Nalanda Studies (Funded by Dalai Lama)	Ven Khenpo Tashi Tsering

VRPP – Salient features & achievements:

- Internationally reputed personalities from India and abroad provide unique opportunities for Goans to interact and learn.
- 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 the university but also in colleges affiliated with our university and other locations in goa to benefit PG/UG students and the 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 an online registration facility for all courses.
- Goa university formed its western music choir and performed at prestigious festivals and places through efforts initiated due to VRPP.
- Documentation of Goans culture, and social practices.
- Infused the young researchers in Goa with new ideas by engaging in dialogues.
- Created interest in liberal arts, Indian and western classical music & literature in the young minds.
- Most of the sessions have been video graphed and made available on the web/local intranet. This will serve as a source of knowledge in the coming years.
- Created Facebook and Instagram IDs to publish news of various activities to be conducted at Goa University.

**Prof. Savita Kerkar**  
**Director, VRPP**

### **3.5 Directorate of All India Survey on Higher Education (DAISHE)**

The Directorate of All India Survey on Higher Education (DAISHE) collected the data from different sections of Goa University and uploaded the data (31st May 2021) through AISHE portal in the prescribed Data Capture Form (DCF)-I for Goa University.

The collection of data was done for the year 2020-21 under the following categories.

- Institution's Basic Details
- Details of Teaching Staff
- Details of Non-Teaching Staff
- Programme conducted under various Faculties/Schools & Departments
- Students enrolled in these programmes
- Foreign Students enrolled
- The regular Examination result of the terminal year of each Programme through the Department
- Placement details
- Financial Information such as Income and Expenditure under various heads (from 1<sup>st</sup> April 2020 to 31<sup>st</sup> March 2021)
- Availability of Infrastructure

- Scholarships, Loans & Accreditation

The DAISHE also assisted the AISHE College Nodal Officers in uploading the college data on the AISHE portal.

The Swachh Bharat Student Internship (SBSI) 2020-21, focused and assessed work based on the e-content developed/mobile apps developed/technology-enabled solutions implemented for spreading swachhata awareness. Online sessions and social media were used to conduct some of the activities many activities with the guidance and support received from the Heads of the Institutions, the NSS Co-ordinators, Unnat Bharat Abhiyan (UBA) co-ordinators, All India Survey on Higher Education (AISHE) Nodal Officers and other administrative staff from the respective institutions.

**Prof. Jyoti D. Pawar**  
**Director, AISHE**

### **3.6 Directorate of Student's Welfare and Cultural Affairs (DSW)**

The following Students' welfare activities are looked after by the Directorate of Student's Welfare and Cultural Affairs office.

- Formation of Goa University Students Council.
- Formation of University Campus Students Council.
- Functions: Plateaunica, Youthesia, Play Onn, etc.

Most of the students' activities as above could not be conducted/held due to the Covid lockdown.

The following were processed during the academic year 2020-21

Processing of University Scholarships/Schemes

- Merit Scholarship
- Free Studentship
- Students Aid Fund
- Earn While you Learn

Processing of Government Scholarships

- Gagan Bharari Schemes for ST students
- Gagan Bharari Schemes for SC & OBC students
- Post Matric Scholarships for ST, OBC, and other Minorities
- Bursary Schemes

The Directorate of Students Welfare also deals with matters related to ragging cases, provides university counselors, and extends support to all the University Directorates.

**Shri. Leo Macedo**  
**Director, DSW**

### **Study India Programme (SIP)**

Due to the COVID-19 pandemic, the students from Nihon University (Japan) did not come.

**Prof. Ganesha Somayaji**  
Director, SIP

### **3.7 Directorate of Internships, Incubation and Industry Partnership (DIIP)**

#### **Faculty Co-ordinators:**

Prof. B. F. Rodrigues, Director - President, Goa University - Institutional Innovation Council 3.0 (Sept 2020 - Aug 2021)

Prof. S. N. Dhuri, Convenor, Goa University - Institutional Innovation Council 3.0 (Sept 2020 - Aug 2021)

Dr. Elaine Dias, Coordinator, Atal Ranking of Institutions on Innovation Achievements (ARIIA)

Mr. S. Baskar, Coordinator, National Innovation and Startup Policy (NISIP)

Mr. Jarret S. A. Fernandes, Coordinator, HACKATHON

#### **Members of IIC Council 3.0 (2020-21)**

<b>Teaching/Non-teaching staff members</b>	<b>Student members</b>	<b>External expert members</b>
Prof. B. F. Rodrigues	Dhilan Velip	Shri. Mangurish Pai Raikar - SR Consultancy Services
Prof. Sunder Dhuri	Vinayak R. Khanolkar	Adv. Shalini Menezes - Sim Sim Advisory Pvt. Ltd.
Prof. S. Krishnan	Tanvi Prabhu	Shri. D.S. Prashant - Technology Business Incubator
Dr. Pournima Dhume	Akshay Salkar	Ms. Kamakshi S. Pai - NABARD
Dr. Nitin Sawant	Sharvani Korgaonkar	Shri. Pravin Sabnis - Unlearning Unlimited
Dr. Elaine T. Dias	Shivani Nitin Naik	-
Shri. Jarret S. A. Fernandes	Sakshi Navelkar Annie Princy Nadar Shawn D'Souza Pai Ravina Ramanand	-



**Webinar/Seminar/Workshop/Field visits organized:**

<b>Program name</b>	<b>Date</b>	<b>Resource person/s</b>
Session on 'National Education Policy: Apprenticeship/ Internship Embedded Degree Programme'	7 Jan. 2021	N. Jumle, James Raphael, Rajeev Garg, Sachin Sachdeva, Sunita Badhwar, Dharmendra Chaudhary, Sameer Naraspur
Session on 'Innovation and Art of Pitching'	21 Dec. 2020	K. Moorley Dharan
Session on 'Instrumentation for Bio-incubators and start up'	23 Dec. 2020	Vinod Barot, Suhas Pandit, Badri Narayan, Swarnedra Singh
Orientation Session on 'National Innovation and Start-up Policy (NISP)'	14 Dec. 2020	Milind Anvekar
Workshop on 'Design Thinking, Critical Thinking and Innovation Design'	10 Dec. 2020	Pravin Sabnis
Orientation Session on 'National Education Policy'	7 Dec. 2020	Manguirishi Pai Raiker, Rahul Tripathi, Gervasio SFL Mends, Nandkumar Kamat
Workshop on 'Entrepreneurship and Innovation as Career Opportunity'	27 Nov. 2020	Ryan Pinto, Rohin Parkar
Workshop on 'Eureka - Ideation and Problem Solving'	24 Nov. 2020	Pravin Sabnis

**3.8 Directorate of Students Placement and Alumni Relations (DSPAR)**

The University's Directorate of Student Placement and Alumni Relations (DSPAR) is involved in organizing annual placement fairs, conducting on-campus placement drives for companies, conducting alumni meetings at the Department or school levels, organizing seminars/guidance workshops, and disseminating information to students about job opportunities.

Although DSPAR could not conduct its annual placement fair in 2020-21, DSPAR conducted several off-campus recruitments for the Goa University students.

During the current year, DSPAR was approached by companies for recruitment of software developers, Application developers, banking, management/sales trainees, trainee production for pharmaceutical companies/breweries and retails, etc. The information was submitted to respective departments/schools and the students

applied directly to the companies. Some of the companies that recruited our students were Reliance Retail, CommScope Recruiters, LatamarcemBrewers, IDFC first banking, Coin Medix consultants, Navionics Ltd, etc.

Additionally, the Schools/Department conducted several webinars wherein Goa University alumnus shared their expertise and interacted with the students.

**Prof. S. C. Ghadi**  
**Director, DSPAR**

### 3.9 Directorate of International Cooperation and Exchange (DICE)

Goa University is having approximately 17 MOU with various foreign universities from Canada, Brazil, Portugal, France, the USA, China, etc., with regard to the exchange of faculty, students, and staff. However, due to COVID-19, for the last two years, activities have been a few and far in between.

During 2020-2021 a few activities were conducted and are enclosed in the table format. Also, MOU with the University of Porto and the University of Aveiro in Portugal under the Erasmus+ programme is extended and financially supported till 2023.

Sr. No	Programme	Department	Students/Staff	Date	Inward/outward	Present Status
1	MoU with Ministry of Foreign Affairs, Brazil (30/12/2020)	International Area Studies	Nil	-	-	-
2	MoU with PUCRS Porto Alegre, Brazil (23/8/2019)	International Area Studies	-Franz Schubert Cotta	18 - 22 /4/20 22	Outward	Finalized
3	MoU with University of Sciences Po Lyon, France (1/8/2017 & 2019)	Department of French, Department of Political Science, International Area Studies	- Mehmet Tatli - Varun Ramesh - Piyush Agarwal Mittal - Divyali Mehrotra - M. V. Vetha Srivatsal - A. Gangopadyaya - Yanis Lerrigo - Sarah Marcoux - Camille Jestin - Mathide Carpentier	Jan - June 2020 Sep - 2020 to March 2021 Jan. 2021- June 2021 Oct. 7 to Nov. 2019 Expected in 2022	Outward Outward Outward Inward Inward Inward --do--	Continued       One term Two terms

				July 2022 --do--		
4	MoU with Uni. of South Carolina, Aiken, USA (2017)	Salgaonkar Institute of International Hospitality Edu.	-	-	-	-
5	MoU with Uni. Of South Carolina, Beaufont, USA (24/9/1017)	-do-	-	-	-	-
6	MoU with U. Porto Erasmus mobility programme (31/1/2019 & 2021)	-	- Domingues de Almeida - Dr. Maria Jose	March 28- April 3, 2022 April 24-30, 2022	Inward Inward	Continued
7	MoU with Indo-Shastri Canadian Institute	-	- Srini V Kaceru CNRS office New Delhi. -Prof. Stephane Mechoulan, Dalhousie Univ. Canada - Srini V. Kaceru CNRS office New Delhi.	20/11/2018 June 2022 20/11/2018	Inward Inward Inward	Under proposal
8	MoU with Universidade Federal de Jucz, Brazil (27/2/2018)	Commerce	- Prof. Subhash K. B.	Activities Book, Research article, and Online classes	Outward (online)	-
9	MoU with Faculdade de educacao da Uni de sao Paulo, Brazil (25/1/2019)	Nil	-	-	-	-
10	MoU with Institute of Chinese Studies, New Delhi (8/11/2018)	International Area studies	India Forum on China @ Goa International Conference	7-9 Dec. 2018 5-7 Dec. 2019 3-4 Dec. 2021	-	-
11	Internship for Sylvain Toral, France (21/2/2019)	Chemistry	Nil	-	-	-
12	Initiation of collaboration with Bangabandhu Maritime University Dhaka, Bangladesh	Under process (team visited each other's institutes)	-	-	-	-

13	Credit Mobility Erasmus+ with the University of de Avero, Portugal (2020)	Applied Renewed in 2022	-	-	-	-
14	University of Kazakhstan	GEC	7 members Delegation of Industry and Faculty	5/2/20 20	Inward	-

**Prof. Koshy Tharakan**  
**Director, DICE**

### 3.10 Directorate of Rashtriya Uchattar Shiksha Abhiyaan (DRUSA)

Goa University was sanctioned a total grant is 20.00 Cr. under RUSA 1.0 with the distribution of Rs. 7.00 Cr. for up-gradation/renovation, Rs. 7.00 Cr. for new construction and Rs. 6.00 Cr. for library and laboratory equipment. The University has utilized the entire amount for upgrading the infrastructure including the purchasing of laboratory equipment and software, library books & journals, upgrading of classrooms, renovation of academic, administrative, and hostel buildings, and overall campus development.

Goa University has received the last installment of Rs. 5.00 Cr (from the total grant of Rs. 20.00 Cr) on 30<sup>th</sup> January 2019. The construction work of the three new projects namely 1) construction of toilet block at science faculty block E (tendered cost Rs. 87,03,466.24 with GST) 2) construction of additional floor for research students (phase-III) at women's hostel (tendered cost Rs. 77,72,367.34 with GST) and 3) construction of men's hostel for research and SIP students (tendered cost Rs. 3,08,87,900.96 with GST) has started after the receipt of the last installment and hence there was a delay in completion of these projects.

In this financial year (ie. 2020-21) the amount of Rs. 3,17,25,309 (as of 26<sup>th</sup> March 2021) has been spent for the completion of the first two projects namely, 1) construction of a toilet block at science faculty block E and 2) construction of an additional floor for research students (phase-III) at women's hostel while the third project ie. construction of men's hostel for research and SIP students is still under construction and will require an additional amount of Rs.1,00,34,997.24, over and above-sanctioned amount of Rs. 20 Cr., for its completion. As of today, the amount of Rs. 14,45,812.28 has been already spent over and above the sanctioned amount of Rs. 20 Cr. It has been decided to utilize this additional amount from the University General Fund.

The students have been the direct beneficiary of the infrastructure created under RUSA 1.0. There has been a visible impact due to teaching-learning infrastructure, sports facilities made available on the campus, books, journals & E-resources added, and the overall campus development.

In the 15<sup>th</sup> meeting of the Project Approval Board (PAB) of RUSA held on 24<sup>th</sup> January 2019 in New Delhi, another Rs. 20.00 Cr. grant has been sanctioned to Goa University under RUSA@2.0. The first installment of Rs. 10.00 Cr. was released on 2<sup>nd</sup> January 2020 under RUSA@2.0 grants while the second installment of Rs. 10.00 Cr. is expected soon.

It was decided to utilize this released amount of Rs. 10 Cr. on the purchase of “High End Equipment” (namely, SQUID magnetometer with all accessories, High-temperature powder X-ray Diffractometer, Confocal Raman Spectrometer with an imaging system, 2-D Gas Chromatograph with TOF Mass Spectrometer, Liquid Nitrogen Plant, and UPS 40KVAx2) to be placed in the proposed ‘Materials Characterisation Laboratory’ of Goa University. The purchase orders for the “High-End Equipment” have been placed and LCs are opened. The details regarding their amount and expected month of arrival are given in the table below. However due to Dollar/Euro/GBP/JPY fluctuations, there will be likely spill-over of around Rs. 1 crore, over and above the sanctioned amount of 10 crores, which has been decided to be adjusted from the University General Funds as decided during the meeting held on 4-9-2020 chaired by VC and attended by Registrar, Prof. V. V. Kamat (Ex-D-RUSA), Prof. Pinto (HOD, CS&T) and the undersigned.

Equipment	FC Price	INR Price (Accessories +GST)	Accessories	Customs Duty and other charges	Total Price in INR	Expected month of arrival
1) SQUID magnetometer with all accessories (ultra-low field, ac susceptibility, transverse moment, high-temperature furnace, and consumables for 4 years)	GBP 458500 (Rs. 4,29,74,746)	19,69,859.00 + 5% GST Rs. 98,493.00	Inclusive	2,55,954.00	4,52,99,052.00	Arrived at Goa Customs, Dabolim LC opened

2) X-ray Diffractometer with normal measurement, glancing angle measurement, X-ray reflectivity, small angle, high temperature	JPY 15800000 (Rs. 1,00,10,880.00)	8,48,400.00	Inclusive	9,94,162.00	1,18,53,442.00	Arrived LC opened
3) Confocal Raman Spectrometer and imaging system	Euro 149184 (Rs. 1,15,81,916.54)	Nil	Inclusive	4,01,030.33	1,19,82,946.87	Arrived LC opened
4) Two Dimensional-Gas Chromatograph with Time of Flight-Mass Spectrometer with thermal separation probe	USD 280000 (Rs. 1,91,68,128)	16,08,674.00	Inclusive	8,23,672.00	2,16,00,474.00	Shipment will be in April 2021 (Delayed due to non-availability of suitable freight carrier) LC opened
5) Liquid Nitrogen Plant		63,86,761.50	N. A.	GST	63,86,762.00	Arrived Amount Paid
6) UPS 40KVA x 2		7,66,917.00	N. A.	GST	7,66,917.00	Arrived Amount Paid
Total					9,78,89,593.87	

**The estimated cost of the equipment being purchased for Materials Characterization Laboratory under RUSA @2.0 is given below: -**

The two civil projects which have been finalised under the second installment of Rs. 10 Cr. are 1) Construction of (fully funded) classroom annex for faculty block F amounting to Rs. 3.2 Cr. (including 12% GST) and 2) Computer science building (partially funded) amounting to Rs. 6.8 Cr. (out of the total estimated amount of Rs. 12,05,78,342/-) including 12% GST.

The purchase order for the construction of 'Classroom annex for faculty block F' was issued on 10/08/2020 for the bidded amount of Rs. 3,17,51,972/- [Rs.2,83,49,975 + 34,01,997 (12%GST)]. To date, the 1<sup>st</sup> slab of the classroom annex building has been cast and preparations for 1<sup>st</sup> floor columns for 2<sup>nd</sup> slab are in progress. The amount paid to date to the contractor is Rs. 87,62,475/- (from the University General Fund

as the sanctioned amount of Rs. 10 Cr. was used for the opening of LCs for the purchase of high-end equipment and the second installment of Rs. 10 Cr. has not yet received).

For the construction of the computer science building, the estimate has been approved by the building committee during the meeting held on 25/03/2021 for the amount of Rs. 10,45,23,528.00 (+ Rs. 1,60,54,814.00 towards 3% contingencies & 12% GST). Out of the total estimated amount of Rs. 12,05,78,342/-, it was decided that the amount worth Rs. 6.8 Cr. will be utilized from the RUSA 2.0 grants while the rest of the amount will be spent from the University General Fund.

**Prof. Vidhyadatta M. Shet Vernekar**  
**Director, DRUSA**

### **3.11 Directorate of Foreign Students (DFS)**

The year 2020-21 being the period that marked the onset of the COVID-19 pandemic, the activities of DFS were restricted and mainly focused on pandemic-related welfare measures for international students on the university campus and facilitating admissions to foreign students in coordination with ICCR.

Specifically, the following activities were undertaken:

- Arrangement of quarantine and healthcare kit from Directorate of Health Services for needy foreign students.
- Facilitating vaccinations of foreign students in coordination with the AR-PG office.
- Facilitating renewal of resident permit (visa extension) by liaising with FRRO Goa and Mumbai offices.
- Facilitating quarantine of new foreign students and health checks and undertaking necessary welfare measures for these students during quarantine period by supplying sanitizers, gloves, masks, and plates. DFS also facilitated the supply of food and emergency transportation services during the quarantine period for such students.
- Created an online forum for discussion on health and the need for other facilities.
- Published magazine 'My Journey' for activities of the academic year 2019-20.
- Facilitated admission of several foreign students to various programmes at the University upon delayed arrival due to pandemic-related issues.

**Prof. Rahul Tripathi**  
**Director, DFS**



### 3.12 Directorate of Internal Quality Assurance (DIQA)

Information gathering, monitoring and dissemination

- Development of tools and techniques for information gathering
- Online student feedback. This is then distributed to the concerned teachers at the Schools/ Department Council level
- Online collection of information on academic output from every faculty member – essentially all items reported for the Annual Self-Appraisal as per UGC guidelines
- Development of formats for collection of departmental information, revising the formats based on additional information requirements
- Advantages: Information collected ONLY ONCE for all requirements
- Redesigning of the Departmental and Faculty pages on the website with links to the above-mentioned databases
- Advantages: The faculty don't have to update their pages. This gets automatically updated with the information provided by him/her
- Digitization of old Annual Reports and making them available on the University's website
- Compilation of legacy metadata along with full-text of publications for the repository
- Information monitoring
- Compilation of reports on the data gathered, graphics, and presentation to the management for quality assessment at AQAR meetings
- Information dissemination
- Compilation of Departmental Annual Reports
- AQAR reports
- Providing information as available against queries under RTI Act
- Building of quality databases on academic information and making them available via the University's website routinely on Publications (in the form of university full-text repository), including Ph.D. theses (theses input by the library) (dissemination at Departmental, faculty level)
- Presentations of research results at various conferences/seminars, etc. (dissemination at faculty level)
- Externally funded projects (dissemination at Departmental, faculty level)
- Ph.D. students (dissemination at University, Departmental, faculty level)
- Events organized during the year (dissemination at the Departmental level)
- List of the courses taught and time-tables of various programmes/semesters to facilitate the functioning of the CBCS system
- Advantages: Single point collection of information and generation of spin-off products, Up-to-date information on the website

### **Activities during 2020-21**

- Submitted SSR to NAAC
- Submitted AQAR for AY 2019-2020
- Submitted NIRF-2022
- Submitted The Week magazine data
- Submitted The QS ranking data

### **Director, DIQA**

### **3.13 Directorate of Unnat Bharat Abhiyaan (DUBA)**

The Directorate of Unnat Bharat Abhiyan at Goa University coordinates and carries out activities to achieve the vision of Unnat Bharat Abhiyan (UBA).

The vision of UBA is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India.

The mission of UBA is to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. It also aims to create a virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and upgrading the capabilities of both the public and the private sectors in responding to the development needs of rural India.

#### **UBA COORDINATION COMMITTEE**

- Prof. Ganesha Somayaji, Department of Sociology - Member
- Prof. Chandrashekar U. Rivonker, School of Earth, Ocean and Atmospheric Sciences - Member
- Prof. Bernard F. Rodrigues, Department of Botany - Member
- Prof. Rajendra S. Gad, School of Physical and Applied Sciences - Member
- Prof. Sunder N. Dhuri, School of Chemical Sciences - Member
- Dr. Anthony Arthur A. Viegas, School of Earth, Ocean and Atmospheric Sciences - Member
- Dr. Prakash S. Parienkar, Department of Konkani - Member
- Dr. Pranay P. Morajkar, School of Chemical Sciences - Member
- Dr. Nitin S. Sawant, Department of Zoology - Member
- Dr. Alaknanda P. Shringare, Department of Political Science - Member
- Dr. Vinay Madgaonkar, Department of Marathi - Member
- Dr. Lata Gawade Velip, Department of Microbiology - Member
- Ms. Sulochana S. Pednekar, Manohar Parrikar School of Law, Governance & Public Policy - Member
- Dr. Pranav Naik, School of Physical and Applied Sciences - Member

- Dr. Sangeeta M. Naik, School of Earth, Ocean and Atmospheric Sciences - Member
- Assistant Registrar, Finance Part II - Member
- Assistant Engineer, ESTATE Administration, and Allied Services Section - Member
- Assistant Registrar, Public Relations (PR) - Member Secretary

#### VILLAGES ADOPTED UNDER UBA

Village	Panchayat
North Goa	
Nauxi-Pirbhat	Curca Gram Panchayat
Cacra	St. Cruz Gram Panchayat
Pale-Shirdon	Shirdon Gram Panchayat
South Goa	
Gudi Paroda	Gudi Paroda Gram Panchayat
Madkai	Madkai Gram Panchayat

#### D-UBA ACTIVITIES HELD CAN BE BROADLY CATEGORIZED AS UNDER

- Activities by Goa University Social Entrepreneurship, Swachhata and Rural Engagement Cell (SES-REC) members
- Activities by Swachh Bharat Student Internship (SBSI) Interns, Mentors, and Coordinators. More details at <https://outreach.unigoa.ac.in/sbsi/>
- Activities by Community Engagement and Rural Development (CERD) Course Participants
- Activities by UBA Coordination Committee members
- Activities by the UBA committee of Affiliated Colleges

#### GLIMPSES OF SOME D-UBA ACTIVITIES HELD DURING 2020-21 ARE GIVEN BELOW -

- The Swachh Bharat Student Internship (SBSI) for the academic year 2020-21 had a total of more than 1038 student interns from 18 On-Campus departments and 25 affiliated colleges of Goa University initially registered to carry out work in the villages of Goa and on the Institute Campus under the proposed five main themes of the Social Entrepreneurship, Swachhata and Rural Engagement Cell (SES-REC) of Goa University. More details of SES-REC

can be found at <https://www.unigoa.ac.in/a/social-entrepreneurship-swachhata-and-rural-engagement-cell-sesrec.html>

- Due to the Covid-19 pandemic, activities identified for SBSI internship work were restricted to creating awareness through the development of apps, videos, webinars, and the use of social media platforms.
- YouTube channels on tree plantation through seed bombs, harmful effects of the use of plastic bags, making of cloth bags, paper bags, and masks, and the importance of following Covid-19 SOP guidelines were started by some of the SBSI Interns.
- Three apps trashnotifier, leaking water waternotifier, and stop covid-19 notifier were developed and used by the SBSI Interns.
- Webinars were organized by GU Microbiology, Zoology Depts. and some affiliated college SBSI Interns.
- World Environment Day was organized by the SBSI interns of the Konkani Department on 5th June 2021 over Google meet which had received a very good response.
- His Excellency Governor of Goa Shri. Bhagat Singh Koshyari, visited Madkai, a village adopted by Goa University on 17<sup>th</sup> April 2021, to launch the Oysters Marine Farming initiative to support Women's Entrepreneurship Development in the villages of Pale-Siridao and Madkai.

**Prof. Jyoti D. Pawar**  
**Director, DUBA**

**PART 4**  
**GENERAL ADMINISTRATION AND ACTIVITIES**

## **PART 4: GENERAL ADMINISTRATION AND ACTIVITIES.....**

### **4.1 Computerisation and IT Infrastructure**

The University has Central Computing facilities at its Computer Centre. The Computer Centre maintains and manages the in-house Data Centre. Various IT-related services are extended to the Faculty, Staff, Students, and Research Scholars. Computer Centre is responsible for the maintenance of Servers, University networks, Internet Services, WiFi, CCTV, Biometric Attendance System, Mail Services, Firewall, etc.

**Shri. Sanjay Bhandarkar**  
**Head of Computer Centre.**

### **4.2 Library**

The Goa University Library and Information Centre was established in the year 1985. It was then part of the Post Graduate Centre of 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 175963 books and 10983 volumes of bound journals. The library subscribes to 83 periodicals out of which 8 are foreign journals. The library is getting a large number of periodicals on gratis too.

The library is automated for its routine works and the entire collection is bar-coded. The library services are being done through an Open-Source Integrated Library Management Software Koha. Users can easily get aware 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, and Oxford English Dictionary.

#### **Library website**

The library website can be accessed at the URL [www.library.unigoa.ac.in](http://www.library.unigoa.ac.in). This website is developed using an Open-Source Content Management System Drupal. We have developed a huge Knowledge Portal with it, which links to multifarious information resources on the Internet. All online resources of the library are linked on this page. They include all INFONET Digital Library resources, Encyclopedia Britannica (Academic Edition), and Indiastat.Com. We have added 214 e-books on various subjects to our collection. A huge list of online resources is also available on this page.

## **UGC Infonet Consortia**

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

## **Institutional Repository**

The Goa University Library has digitized its 837 theses and uploaded them to 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 the 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**

The 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 Ph.D. 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 on the library premises.

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

**Dr. V. Gopakumar**  
**Librarian**



### 4.3 Sports Activities

WEST ZONE & ALL INDIA INTER-UNIVERSITY CHAMPIONSHIPS (MEN & WOMEN) 2020-2021					
Sr. No	Name of the championship	Venue	Dates	Position	Officials
1	NIL	NIL	NIL	NIL	NIL
KHELO INDIA INTER-UNIVERSITY CHAMPIONSHIPS 2020-2021					
1	NIL	NIL	NIL	NIL	NIL

Note: Due to the covid-19 pandemic, no events were held in Sports Section, Goa University for the year 2020-2021.

**Shri. Milton Fernandes**  
Asst. Director of Physical Education & Sports

### 4.4 U. G. C. Human Resource Development Centre (HRDC)

#### Refresher Courses/Orientation Programs/S.T.C./Others conducted in 2020-2021

Sr. No.	Courses Conducted	From	To	Number of Participants		
				Male	Female	Total
1	Short Term Course Yoga/Spiritual Values	20-06-2020	26-06-2020	9	18	27
2	Short Term Course Intellectual Property Rights and Patents	4-08-2020	10-08-2020	23	13	36
3	Refresher Course Languages, Comparative Literature & Cultural Studies (Indian, English & Foreign Languages) (Inter Disciplinary)	4-09-2020	17-09-2020	14	15	29
4	Short Term Course in Solid Waste Management	8-09-2020	14-09-2020	14	12	26
5	Refresher Course Natural Sciences	15-09-2020	28-09-2020	18	9	27
6	107 <sup>th</sup> Faculty Induction Program	22-09-2020	27-10-2020	10	26	36
7	Refresher Course in Commerce/Management	6-10-2020	19-10-2020	18	12	30

8	Short Term Course Research Methodology	3-11-2020	9-11-2020	17	21	38
9	108 <sup>th</sup> Faculty Induction Program	17-11-2020	23-12-2020	14	17	31
10	Refresher Course Environmental Sciences (Inter Disciplinary)	12-01-2021	25-01-2021	25	10	35
11	109 <sup>th</sup> Faculty Induction Program	9-02-2021	16-03-2021	9	19	28
12	Refresher Course in Life Sciences: Quantum Biology (Inter Disciplinary)	16-02-2021	1-03-2021	11	19	30

**Prof. C. U. Rivonker**  
Director, HRDC

#### 4.5 Hostel Activities

Activities in the Women's Hostel-II:

- On 25<sup>th</sup> November 2020 - Matka painting competition was held for Ph.D. Scholars residing in Women's Hostel-II and 26<sup>th</sup> November 2020-cooking competition was held.
- Total 12 students participated in Matka painting and 7 students participated in the cooking competition.
- Matka competition was judged by Prof. Anuradha Wagle, Prof. Shaila Desouza, and Shanti Dessai.
- The cooking competition was judged by Ms. Naziya Shaikh, Assistant Professor at Government College, Quepem.

The winners of the Matka painting competition

- Sankrita Gaonkar-1st place
- Minisha Pereira- 2nd Place

**Chief Warden, Women's Hostel: Prof. Savita S. Kerkar**  
Wardens: Ms. Pallavi P. Gaude, Ms. Sulochana Pednekar

**Chief Warden, Men's Hostel: Prof. M. S. Dayanand**  
Warden, Men's Hostel: Dr. C. Sudhir

## 4.6 Swachh Bharat Abhiyan

As part of the Goa University Swachh Bharat Activities for the year 2021, the Swachh Bharat Abhiyan Committee organized a Goa University Campus garbage clean-up drive on Friday, 19<sup>th</sup> March 2021 from 9.45 am to 11.45 am.

Participating staff, students, and faculty of the University were provided face masks and sanitizer bottles at the start of the clean-up activity and refreshments were served at 11.45 am in the faculty canteen.

All participants were requested to assemble in front of the library near the clock tower at 9.30 am.

The required cleaning accessories such as gloves, brooms, and garbage bags were also provided to the participants.

All the Deans, Heads of the Departments, Sectional Heads, Officers, Teachers, Staff, and Students of Goa University were requested to participate in the drive to maintain the cleanliness of the campus.

The clean-up drive was a grand success despite the COVID-19 threat and was well attended to and participated by about 150 participants. All the social distancing norms and COVID Protocol was followed during the entire clean-up drive. The garbage, plastic waste, paper, bottles, etc. around the various buildings located on the Goa University campus were cleaned and collected at each location.

**Prof. Shaila Desouza**  
**Co-ordinator**

**PART 5**

**AFFILIATED COLLEGES & RECOGNISED INSTITUTIONS**

## **PART 5: AFFILIATED COLLEGES & RECOGNISED INSTITUTIONS ...**

### **5A. General Education Colleges/Institutes**

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, Science and Commerce, Mapusa
4. DCTs S. S. Dempo College of Commerce & Economics, Altinho, Panaji
5. Carmel College of Arts, Science and Commerce for Women, Nuvem, Salcete
6. M. E. S's College of Arts & Commerce, Zuarinagar
7. V V M's Shree Damodar College of Commerce & Economics, Margao
8. Government College of Arts, Science and Commerce, Quepem
9. Goa Vidyaprasarak Mandal's Gopal Govind Poy Raiturcar College of Commerce and 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. Saraswat Vidyalaya Society's Sridora Caculo College of Commerce and Management Studies, Mapusa
16. Fr. Agnel College of Arts and Commerce, Pilar
17. Government College of Arts and Commerce, Pernem
18. Dnyan Prabodhini Mandal's Shree Mallikarjun College of Arts and Commerce, Canacona
19. Narayan Zantye College of Commerce, Bicholim
20. Vikas Parishad, Mandre College of Commerce, Economics and Management, Pernem

21. Swami Vivekanand Vidya Prasarak Mandal's College of Commerce, Bori, Ponda
22. Rosary College of Commerce & Arts, Navelim, Salcete
23. 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
24. St. Joseph Vaz College, Cortalim

#### **5B. Professional Colleges/Institutes**

25. GSS's Don Bosco College, Panaji
26. Goa College of Pharmacy, Panaji
27. Goa Engineering College, Farmagudi, Goa
28. Nirmala Institute of Education, Altinho, Panaji
29. Goa College of Art, Altinho, Panaji
30. V. V. M. Govind Ramnath Kare College of Law, Margao
31. Goa Dental College and Hospital, Bambolim
32. Goa College of Music, Altinho, Panaji
33. Institute of Nursing Education, Bambolim
34. Goa Vidyaprasarak Mandal's Dr. Dada Vaidya College of Education, Ponda
35. Bhartiya Sanskriti Prabodhini's Gomantak Ayurveda Mahavidyalaya and Research Centre, Shiroda
36. Shivgram Education Society's Shri Kamaxidevi Homoeopathic Medical College & Hospital, Shiroda
37. Shree Rayeshwar Institute of Engineering & Information Technology, Shiroda
38. P. E. S. College of Education, Ponda
39. Vrundavan Institute of Nursing Education, Colvale
40. Institute of Psychiatry & Human Behaviour, Bambolim
41. P. E. S's Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda

42. Don Bosco College of Engineering, Fatorda, Margao
43. Goa College of Hospitality and Culinary Education, Cidade de Goa, Vainguinim
44. Agnel Institute of Technology and Design, Assagao
45. Vidya Prabodhini College of Commerce Education, Computer and Management
46. V. M. Salgaoncar Institute of International Hospitality Education
47. Ramanata Crisna Pai Raikar School of Agriculture, Savoi-Verem, Ponda
48. J. D. Institute of Fashion Technology, Panaji
49. V. M. Salgaocar College of Law, Miramar
50. National Institute of Hydrography, Vasco-da-Gama

#### **5C. Recognised Institutions**

51. Xavier's Centre of Historical Research, Alto Porvorim
52. ICMR-National Institute of Malaria Research, Field Unit, Campal, Panaji
53. Directorate of Archives & Archaeology, Panaji
54. CSIR-National Institute of Oceanography, Dona Paula
55. Earth System Science Organisation-National Centre for Polar & Ocean Research, Headland Sada, Vasco-da-Gama
56. Thomas Stephens Konknni Kendr, Porvorim
57. Fisheries Survey of India, Government of India, Mormugao
58. ICAR-Central Coastal Agricultural Research Institute, Ela, Goa Velha



## 5A. GENERAL EDUCATION COLLEGES/INSTITUTIONS

### 5A. 1 Dhempe College of Arts and Science, Miramar, Panaji

**Year of Establishment:** 1962

**College Address:** Dhempe College of Arts and Science, Miramar, Panaji, Goa 403001

**Principal's Details:**

**Name:** Prof. Vrinda Borker

**Contact No:** 08322461507/ 9822129669

**Email:** dhempe@rediffmail.com principal@dhempecollege.edu.in

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

**The NAAC accreditation Status (whether accredited, score and Grade, accreditation round):**

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>nd</sup>	B+	-----	2003	from:2003 to: 2008
2 <sup>rd</sup>	A	3.12	2010	from:2010 to: 2015
3 <sup>th</sup>	A	3.20	2015	from:2015 to: 2020

**Courses offered, sanctioned and filled strength: BA, BSc, MSc (Chemistry)**

Course Offered	Sanctioned Strength		Filled Strength	
	Entry level	(Total)	Entry level	Total
B. A.	180	540	183	542
B.Sc.	176	528	183	506
B.Sc. (Biotech. SF)	40	160	46	107
M.Sc. (Chemistry)	25	45	24	44
	(Including EWS+ Other reserved category)			

**Research Centre, If any:** Research Centre in Department of Chemistry in collaboration with five other colleges

**No. of Candidates, subject wise, Registered for Ph. D under the Research Center:** Two (02)- subject of Chemistry

**Any new course(s) started:** NIL

**Faculty strength:** 43

41 (Teaching Faculty)

01 (Physical Education Director), 01 (Librarian)

(Note: Specify only the number of full time & regular appointments including teachers on FIP and fellowships. Appointments on Lecture basis, contract and temporary positions of less than eleven months should not be specified)

#### **Achievements of the College:**

- Signed MoU with Datamites this year and have continued with earlier signed MoUs with premier Institutions such as NIO, NCPOR, ICAR, TERI, Sangath, AFA, EDC-IGNITE, I&TII-INSERM Paris, Velalar College for Women-Erode, Cluster of Colleges for Research in Chemistry, Goa.
- 02 Skill Development Courses titled “Applying Critical Reading” and “Writing Responsibly” were conducted through Digital Language Laboratory and Skill Development Centre course for students.
- The established centralized Instrumentation Laboratory with advanced equipment was further upgraded by adding high end instruments during the academic year for research such as UV-Visible spectrophotometer (UV 2600 Shimadzu). FTIR spectrophotometer (IR Affinity 1S Shimadzu), Atomic Absorption Spectrometer (AA-6880 Shimadzu), Elevator rotary vacuum evaporator (Equiptron), Gas chromatograph instrument (GC-2014 Shimadzu), Digital Analytical balance (Vibra), HPLC (Shimadzu, LC-20AD prominence Liquid chromatograph, SPD-20A prominence UV-Vis Detector) along with Multifunctional Ultrasonic Cleaner, (Athena sonicator), Karl Fischer Titrator (KAFI +, LABINDIA) and Polarimeter (Digital Polarimeter, CDP-001, Contech)
- Secured ranking in the 151-200 band of NIRF by MHRD, Green Certification Level III by GSCP, ISO 9001:2015 Certified
- National level webinar “NEP-2020 Higher Education (Planning for implementation)” was organized on Google meet platform. Professor Vasudha Kamat, Member, National Education Policy Draft Committee, (Former Vice Chancellor, SNDT Women’s University) was invited as resource person to share valuable information on implementation of NEP programme.
- Vasantrao Dempo Diamond Jubilee lecture series launched on 10<sup>th</sup> August, 2021 in the presence of the Honourable Governor of Goa Shri. P.S. Sreedharan Pillai. His Excellency delivered a lecture titled “Re-Thinking the Indian Education System” to the faculty, students and public online.

**Sponsored Research Projects only sanctioned/Completed during June 2019 and August 2020. (Include only research projects of minimum Rs one lakh)**

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/completed with date
1	Dr. Swati Pawar	Design and development of a photovoltaic and human power hybrid energy system	02/08/2017 3 years	DST&E	5.00	Ongoing (received extension)

**Conferences/Workshops Organized (Nos. only)**

International Level: 01(International Guest Lecture)

National Level: 09

State Level: 07

**Details of International Conferences/Workshops/ Webinars organized**

**Publications**

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	05	0	0	05
	Foreign Publisher	Indian Publisher	Local Publisher	Total
II. Books/Edited Books				
a. Research papers in Edited Books				
b. Books				
	International	National	Local	Total
III. Research papers in Conference Proceedings	01	0	0	01
Total	07	03	00	10

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
07 (International Webinars)	02 (National Webinars)	02

**Invited Lectures given by the faculty.**

Abroad	Within India	Within Goa
0	05 (National webinars)	11

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
0	02 1. Akshata Bhat (English) 2. Raghav Gadgil (Geology)

**No. of Teachers pursuing Ph.D.: 13****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. Vrinda Borker	State Teachers award for Excellence in Higher Education 2020-2021	Directorate of Higher Education on behalf of Gvt. Of Goa/ 2020-2021

**Sports Achievements of Students: (Note: Specify only number)**

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
National	-	-	-	-	-	-	-	-
International	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-

(Events organized by recognized institutions, associations and federations only)

Details of the top 5 Sports Achievements, if any, (included in the table 18) 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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
-	-	-	-	-

**Any other Special Achievements of faculty (Maximum of 4 major achievements from one College/institution)**

- Dr. Manoj Ibrampurkar has been appointed as the Member of the drafting committee to revise the Goa State Water Policy. The committee has successfully submitted the Draft of the Goa State Water Policy 2021 to the Goa Government on May 28, 2021.
- Under the aegis of DHE initiative, Dr. Manoj Ibrampurkar, Dr. Raghav Gadgil, Vinita Mayenkar along with Delia Cardozo and Magnolia Miranda of Govt. College, Sanquelim, collaborated and submitted a proposal to develop MOOC course in Environmental Geology. The same was approved and is in the process of development.
- Dr Ashish Prabhugaonkar was appointed as sub-committee member for Goa Bio-diversity startergy and action plan. He is also member of Expert committee for Goa State Pollution Control Board.
- Mr. Prajal Sakardhande appointed as Members of Committee headed by the Director, Directorate of Archives and Archaeology for drafting of ToR (Terms of Reference) and assisting this Directorate in scrutiny of bids during tendering process.

#### 5A.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. Shaila R. Ghanti (Offg. Principal)

**Contact No:** (0832) 2722222

**Email :** principal@chowgules.ac.in

**College website:** www.chowgules.ac.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round)

The college has been re-accredited with Grade 'A' by National Assessment and Accreditation Council (NAAC) with a CGPA score of 3.41 on a 4-point scale in the third cycle of accreditation in May 2014.

**Courses offered, sanctioned and filled strength:**

Courses	Sanctioned Strength	Filled Strength
<u>Undergraduate Courses</u>	178	130
F.Y.B.Sc. S.Y.B.Sc.	180	214
T.Y.B.Sc.	150	200
F.Y.B.Sc.-Biotech S.Y.B.Sc. Biotech (self-financed)	30	20
T.Y.B.Sc. Biotech	25	26
T.Y.B.Sc. Geography (self-financed)	25	26
F.Y.B.Sc. Biochemistry (self-financed)	20	07
S.Y.B.Sc. Biochemistry (self-financed)	30	26
T.Y.B.Sc. Biochemistry (self-financed)	25	20
T.Y.B.Sc. Statistics (self-financed)	25	19
	20	02

F.Y.B.A S.Y.B.A	132	140
T.Y.B.A	180	209
F.Y.B.A. — Mathematics	180	131
T.Y.B.A. — Sociology (self-financed)	20	02
	30	38
F.Y. B. Voc— Software Development (self-financed) S.Y. B. Voc -Software Development (self-financed)	30	15
TN. B. Voc Software Development (self-financed) F.Y.B. Voc 3D Media & Virtual Reality - VFX financed)	30	14
S.Y.B. Voc 3D Media & Virtual Reality - VFX financed)	30	23
T.Y.B. Voc 3D Media & Virtual Reality - VFX financed)	30	0
F.Y.B.Voc—Multimedia —Digital Filmmaking (self-financed)	30	09
S.Y.B.Voc—Multimedia —Digital Filmmaking (self-financed) T.Y.B.Voc—Multimedia —Di ital Filmmaking (self-financed)	30	12
	30	0
	30	09
	30	10

<u>Postgraduate Courses</u>		
M.A. Part I (Geography)	25	06
M.A. Part II (Geography)	25	10
M.Sc. Part I (Information Technology)	20	12
M.Sc.— Part II (Information Technology)	20	19
.. — Part I (Analytical Chemistry)	20	19
M.Sc.— Part II (Analytical Chemistry)	20	13
M.A. — Part I (Economics)(self-financed)	20	
M.A. — Part II (Economics)	20	06
M.A. - Part 1 (Hindi)	20	11
M.A. - Part 11 (Hindi)	20	08
M.A. — Part I (Psychology)	20	07
M.A. Part II (Psychology)	20	10
M.A. — Part I (English)	20	07
M.A. — Part II (English)	20	03
M.Sc.— Part I (Geoinformatics)	20	10
M.Sc -Part II (Geoinformatics)	20	07
Post Graduate Diploma in Computer Applications	30	07
Post Graduate Diploma in Geoinformatics (self-financed)	25	16
Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques (self-financed)	15	07
Ph. D in Geography	05	04
Ph. D in Hindi	05	03
Total		1487



**Research Centre, If any:** i. Geography ii. Hindi iii. Botany

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

Subject	No. of Candidates
Geography	04
Hindi	03
Botany	Nil

**Any new course(s) started:** - Nil -

**Faculty strength:**

(Note: Specify only the number of full time & regular appointments including teachers on FIP and fellowships. Appointments on lecture basis, contract and temporary positions of less than eleven months should not be specified).

Designation	Number of Teachers
Principal	
Professor	02
Associate Professors	16
Assistant Professors	23
Librarian (Selection Grade)	
Director of Physical Education (Selection Grade)	01
Contract Teachers (Regular + Self-financed)	49
Total	91

**Achievements of the College: (only institutional achievements should be mentioned).**

- Our college has been placed in Rank band '151-200' in the India Rankings 2021, for Colleges in the National Institutional Ranking Framework (NIRF) conducted by the Ministry of Human Resource Development, Govt. of India.
- Our college has been rated at '4.5 Star' for undertaking various activities prescribed by Innovation Cell, Ministry of Education, Government of India to promote innovation and start-ups in campus during the IIC Calendar Year, 2019-20.

- College is selected by DBT, Government of India, under 'Science Sethu Programme' to be mentored by International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi.
- Innovation and Incubation Cell Committee of our College inaugurated the launch of the first Student's driven College startup, "BRANDEMA" using Google Meet on 10<sup>th</sup> February 2021. "BRANDEMA" is a startup by students of our college for promoting start-ups through digital marketing platforms by the team members of "BRANDEMA".
- The college has signed Memorandum of Understanding with the following institution: At National level.
- National Association of Software and Service Companies (NASSCOM), Noida, UP for assessments and Certification on NSQF Levels/ Qualification Packs (QP) and National Occupational Standards (NOS) under the BVoc Project.

Sponsored Research Projects only sanctioned/ completed during June 2019 and August 2020 (Include only research projects of minimum Rs. One lakh).

#### MAJOR RESEARCH PROJECTS

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amt. (Rs. in Lakhs)	Specify whether sanctioned/ completed with date
1	Prof. Nandkumar N. Sawant	Revealing the (In)visible cultural landscape and Heritage: Amalgation of Goa's Urban Transformation and Identit	19.09.2019 2 years	Indian Council of Social Science Research (ICSSR)	8.00	Ongoing

#### 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/ completed with date
I	Ananya Das	Study of Bose-Hubbard model using Real Space Renormalization Group method.	17/06/2019 2 years	Director of Higher Education (DHE), Alto, PorvorimGoa	4.30	Ongoing

2	Yatin P. Desai	Study of Zinc Oxide Composite Doped with Transition Metal Ions (Mn, Ni, Co, Fe)	10/12/2019 3 years	Department of Science and Technology Goa	3.20	Ongoing
3	Amisha Shirodkar Pednekar	Understanding Cellulolytic Activity of Fungi Isolated from Litter of Coconut Trees	18/12/2019 2 years	Department of Science and Technology Goa	3.00	Ongoing
4	Nandkum Sawant & Nandini Vaz Fernandes	Development of Wildlife Management Plan for Bondla Wildlife Sanctuary	07/05/2020 1 year	Goa Forest Development Corporation, Govt. of Goa	2.49	Ongoing
5	Nandkumar Sawant Nandini Vaz Fernandes	Wildlife Activity App	19/06/2020 1 year	Goa Forest Development Corporation, Govt. of Goa	1.10	Ongoing
6	G. K. Naik	Low Temperature Synthesis Characterization of Nanosize Metal Chromites: An Industrial Catalyst	17/06/2020 3 years	Department of Science and Technology Goa	2.50	Ongoing
7	Lactina Regina Gonsalves	Development of Functionalised Nanoparticle oxides for Gas Sensing and other Potential Applications.	26-10-2017 2 years	Director of Higher Education (DHE), Alto, PorvorimGoa	3.10	Ongoing
8	Uma Masur	Molecular characterization of <i>Dysoxylum binectariferum</i> Hook. f. regenerated plants in vitro by RAPD, SSR and ISSR	26-10-2017 2 years	Director of Higher Education (DHE), Alto, Porvorim Goa	3.50	Ongoing

		methods.				
9	Sameena Fernandes e Falleiro	Teaching and Learning with ICT: Current Status and Future Directives with Reference To under Graduate Education in Goa	27-06-2018 2 years	DHE Research Science Promotion	2.00	Ongoing
10	Nandini Vaz Fernandes	Evaluation of effectiveness of methodologies used in conducting practicals of graduate undergraduate courses in biological sciences	27-06-2018 2 years	DHE Research science promotion	2.00	Ongoing

(Please make sure that all columns are filled with appropriate and correct information)

Sponsored Consultancy Work sanctioned during the reporting period  
(Include only consultancy projects with minimum Rs one lakh)

Name of faculty member	Name of consultancy project	Name of the Sponsor	Duration of consultancy	Amount	Sanction date
	Nil				

**Conferences/Workshops Organized (Nos. only)**

State Level      01  
National Level    03

International Level (Only if there is participation of at least 10% of Scholars)

from abroad): Nil

Details of International Conferences/Workshops organized  
(Specify: The title of the Conference/Workshop, funding agency, amount sanctioned and date, number of participants from abroad).

### Publications

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
Research papers in Journals	9	3		12
	Foreign Publisher	Indian Publisher	Local Publisher	
Books/Edited Books				
(a) Research papers In Edited Books				
(b) Books/ Article in Books	3	3	2	8
	International	National	Local	
Research papers in Conference Proceedings				
Total	12	6	2	20

(Include publications without overlap. Articles included in Cat 1 should not be repeated in Cat II and Cat III. Similarly for other cases also)

### Papers resented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
	7	

### Invited Lectures given by the faculty:

Abroad *	Within India	Within Goa
	30	19

\*Details of invited lectures abroad (only if visited abroad) may be given as follows: Name of the teacher, topic/ theme of lecture, Name of the Country and the institution visited, dates of visit, sponsoring / funding agency.

Name of the teacher	Topic/Theme of Lecture	Name of the Count	Institution visited	Dates of visit	Funding Agency

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

\* Details of research degree obtained:

Name of the teacher	Department	Name of the thesis	University which awarded degree

**No. of teachers pursuing Ph. D: 8**

**Awards:**

Name of the faculty member	Title of the Awards/ Honours	Name of Agency / Institution sponsoring the award (only recognized and reputed agencies, Date of award)
Aisha Shaik	Nation Builder Award	Rotary India Literacy Mission December 2020

Sports Achievements of Students: (Note: Specify only number)

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Intercollegiate								/
State								
InterUniversity		NIL				NIL		
National								

International								
Total								

(Events organized by recognized institutions, associations and federations only)

Details of the top 5 Sports Achievements, if any, (included in the table 18) 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/Sport event with date	Name of the Organiser	Place won 1 <sup>st</sup> /2 <sup>nd</sup> / 3 <sup>rd</sup>
	NIL			

(Events organized by recognized institutions, associations and only.

Provide 5 sports Achievements in the order of its importance.)

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

(Include only National and International level achievements relating to academics which are very special in nature and not covered under sr nos. 8 to 18 above)

- Prof. Nandkumar N. Sawant, Department of Geography has been awarded International Research panner of INTERREG (PaTRIM-OI Research Program) by INTERREG V of European Commission for the year 2021-23
- Dr. Sanjay Gaikwad, Assistant Professor, Department of Geography has been given a grant to conduct online FDP under ATAL Scheme.
- Mr. Mahesh P. Matha, Assistant Professor, M.Sc (IT), authored a book titled "Core Python - A Comprehensive Study". It is available worldwide exclusively on Amazon Kindle store from 24th November, 2020. It is an introductory book on the Python programming language.
- Ms. Delaila Pacheco, Assistant Professor, Department of English has been awarded FULBRIGHT Scholarship, J. William Fulbright Foreign Scholarship Board, Washington DC.
- Ms. Tanya Keni, Assistant Professor, Department of Psychology, is selected as a Research Psychologist for a Three-month Research Project on Psychometric Scale development by University of Mumbai's Garware Institute of Career Education and Development in association with American Indian Foundation (AIF).
- Ms. Tanya Keni, Assistant Professor, Department of Psychology, has been granted admission for her Doctoral Studies in Psychology from the Bremen International Graduate School of Social Sciences at the University of Bremen and Jacobs University, Bremen, Germany. The PhD is a fully funded employment position for the German Government funded Research Project 'Social dynamics of Self'.



### 5A.3 St. Xavier's College of Arts, Science and Commerce, Mapusa

**Year of Establishment:** 1963

**College Address:** Mapusa Bardez Goa

**Principal's Details:**

**Name:** Prof. Blanche Mascarenhas

**Contact No:** 8888657331

**Email:** prin.xavier@unigoa.ac.in

**College website:** www.xaverscollege-goa.com

**The NAAC accreditation Status (whether accredited, score and Grade, accreditation round):** A Grade with CGPA Score of 3.12 on a 4-point scale, 4<sup>th</sup> Cycle.

Courses offered	Sanctioned strength	Filled strength		
		FY	SY	TY
BA	240	285	260	209
BCom	240	242	286	253
BSc	240	252	271	194

**Research Centre:** Chemistry and Geography (Under Cluster system).

No. of Candidates Registered for Ph. D	Subject wise	Research Center
2	Chemistry	Cluster System

**Faculty strength:** 127

**Achievements of the College:**

- Only college to be Accredited in the 4<sup>th</sup> Cycle.
- India Rankings2020: College Rank Band: 101-150 ny NIRF.
- India Today-Best Colleges in India: Rank 67<sup>th</sup> (BCom), 68<sup>th</sup> (BCA), 79<sup>TH</sup> (BSc), 101<sup>th</sup> (BA).
- Five Professor Posts.
- First Undergraduate College to have X-Ray Diffractometer (XRD)

**Sponsored Research Projects only sanctioned/completed during June 2019 and May 2020. (Include only research projects of minimum Rs one lakh)**

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/completed with date
1	Dr. Hari Kadam	Synthesis of Novel Coumaryl Pyrazoles and CoumarylPyrazolones and study of their Antioxidant and atniglycosidase activity	17 <sup>th</sup> March 2019, for 3 years, upto March 2022	DST, Govt of Goa	1 <sup>st</sup> Installment of 2 lakhs, sanctioned.	Ongoing

Sponsored Consultancy Work sanctioned during the reporting period (Include only consultancy projects with minimum Rs one lakh)

Name of faculty member, Name of consultancy project, Name of the Sponsor, Duration of consultancy, Amount, Sanction date. (For example, Mr/Ms/Dr..XXXXX, 'EconomicGrowth of Goa', UGC, 2 years, Rs.0.76 Lakhs).

- 'Sample Analysis' through Instrumentation Center, St. Xavier's College for 2019-20, Rs.1,55,310/-.
- Center for Bank and Government Exams, St. Xavier's College for 2019-20, Rs. 1,23,697/-

**Conferences/Workshops Organized (Nos. only)**

State Level: 12

National Level: 1

**Publications**

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
Research papers in Journals	15	12	10	37
	Foreign Publisher	Indian Publisher	Local Publisher	

Books/Edited Books	2	4	1	7
Research papers In Edited Books	Nos. only	2	1	3
Books	Nos. only	Nos. only	Nos. only	
	International	National	Local	
Research papers in Conference Proceedings	Nos. only	Nos. only	Nos. only	
Total	11	25	2	38

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
2	14	33

**Invited Lectures given by the faculty.**

Abroad	Within India	Within Goa
Nos. only (No. of Lectures) *	4	20

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
NIL	1. Dr. Apurva Betkekar, Marathi, Goa University 2. Dr. Ramiro Luis, Psychology, Karnatak University

**No. of Teachers pursuing Ph. D: 11**

**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. Dadapir Jakarti	A. P. J. Kalam Award	International institute of Social and Economic Reforms, Bangalore.

**Sports Achievements of Students: (Note: Specify only number)**

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate	-	-	-	-	6	2	1	9
Inter-University	-	-	-	-	-	-	1	1
National	-	-	-	-	-	-	1	1
Total	-	-	-	-	6	2	3	11

**Details of the top 5 Sports Achievements, if any, (included in the table 18) 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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
Sushmita Jadhve Ashika Jadekar Scindia Sawndatkar	Football	All India Interuniversity Football		3 <sup>rd</sup> Place
Vishnu Gosavi	Football	Khelo India Youth Games	Sports Authority of Guwahati, Assam	3 <sup>rd</sup> Place

#### 5A.4 DCTs S. S. Dempo College of Commerce & Economics, Bambolim

Year of Establishment: 1966

College Address: D.C.T's S. S. Dempo College of Commerce & Economics,  
Deendayal Integrated School Complex, Cujira, Bambolim Goa

Principal's Details:

Name: Dr. Radhika S. Nayak

Contact No: 0832-2976646

Email: principal@dempocollege.edu.in

College website: dempocollege.edu.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round): Accredited, A grade with a CGPA score of 3.30) 3<sup>rd</sup> round.

#### Courses offered, sanctioned and filled strength:

Sr. no.	Courses offered	Sanctioned strength	Filled strength
1	B.Com. (Hons)	F.Y. 360 S.Y. 360 T.Y. 360 Total 1080	F.Y. 349 S.Y. 338 T.Y. 381 Total 1068 (Obtained Permission taken for additional students)
2	BBA	F.Y. 150 S.Y. 100 T.Y. 100 Total 350	F.Y. 149 S.Y. 99 T.Y. 95 Total 343 (Obtained Permission taken for additional students)
3	M.Com.	F.Y. 50 S.Y. 50 Total 100	F.Y. 48 S.Y. 52 Total 100 (Obtained Permission taken for additional students)
4	Masters in Tourism and Heritage Management	Part I 30 Part II 30 Total 60	Part I 18 Part II 19 Total 38
5	PGDM-Event Management (1 year)	30	09

6	Six months Certificate Course in Event Management		20		07
7	Integrated Masters of Commerce I MCom	F.Y.	40	F.Y.	21
		S.Y.	40	S.Y.	22
		T.Y.	40	T.Y.	34
		Total	120	Total	77

Any new course(s) started: NIL

**Faculty strength:**

	Regular	Contract	Lecture Basis
Grant in aid Program	26	16	05
Self Financed Program		17	

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

- In alignment with the Skill India National Mission, the Dempo Centre for Skill Development (DCSD) set up in 2018-19 further expanded its activities in 2021-22. The Centre emphasizes the need to skill young people such that they can find employment or to create employment through entrepreneurship. The courses conducted during 2021-2022 were:
  - i. Certificate Course in Business Analyst
  - ii. Certificate Course in Advance MS Excel
  - iii. Diploma in IATA Airport Management
  - iv. Six days advanced GST Practitioner Training Program
  - v. Certificate Course on Stock Market Operations
  - vi. 6. 30 hours Certificate Course in Tally
  - vii. Certificate Course on Digital Marketing
  - viii. Certificate Course in Applied Accounting
  - ix. Certificate Course in Event Management affiliated to HRDF Society
  - x. Certificate Courses through Approved Training Centre (ATC)
- Promotion of Industry-Academia Linkage 2020-21:
 

The institution has entered into MoU with:

  - i. Bajaj Finserv renewed for 2021-22
  - ii. IBM Skillsbuild CSR Box
  - iii. Goa Management Association
  - iv. ITAPPZGLOBAL Technologies LLP, Goa
  - v. One Point Six Technologies Pvt. Ltd., (Pencil Insight, Mumbai)

- vi. Goa Institute of Public Administration & Rural Development (GIPARD)
- vii. Untraced Paths Travellers LLP
- viii. Delemisi School of Music

- Submission of Draft Retail Policy to Govt. of Goa through GCCI
- Submission of White Paper on Commerce Education to Education Committee GCCI

Conferences/Workshops Organized (Nos. only)

State Level:

National Level:

International Level:

Details of International Conferences/Workshops organized

### Publications

Publications	Cat-I	Cat-II	Cat-III	
	Scopus	UGC Recognised	ISSN	Total
Research papers in Journals	1	-	1	2
	Foreign Publisher	Indian Publisher	Local Publisher	
Books/Edited Books				
Research papers in edited books	-	-	-	
Books	-	-	1	1
	International	National	Local	
Research papers in conference proceedings	1	-	-	1
Total	2	-	2	4

### Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
Nos. only (No. of Papers)	Nos. only (No. Papers)	Nos. only (No. of Papers)
01		

**Invited Lectures given by the faculty:**

Abroad	Within India	Within Goa
Nos. only (No. of Lectures) *	Nos. only (No. of Lectures)	Nos. only (No. of Lectures)

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
No. only	Dr. Michael Dias
	Dr. Cheryl Venan Dias
	(02)

No. of Teachers pursuing Ph. D: 09

**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

**Sports Achievements of Students: (Note: Specify only number)**

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate								
State	1			1				
Inter-University								
National							1	1
International								
Total	1			1			1	1

**Details of the top 5 Sports Achievements, if any, (included in the table 18) 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
Akshada Naik	Tennis Ball Cricket	All India Tennis Ball Cricket, 9-11 Feb, 2021	Agra & U.P. Tennis Ball Cricket Association



## 5A.5 Carmel College of Arts, Science and Commerce for Women, Nuvem, Salcete

**Year of Establishment:** 1964

**College Address:** Carmel College of Arts, Science and Commerce for Women, Nuvem, Salcete – Goa.

**Principal's Details:**

**Name:** Dr. Sr. Maria Lizanne A.C. (Officiating Principal)

**Contact No.:** 0832 2790959

**Email:** principal@carmelcollegegoa.org

**College Website:** www.carmelcollegegoa.org

**The NAAC Accreditation Status:** Re-Accredited by NAAC with 'A' Grade (3<sup>rd</sup> Cycle)

**Courses offered:** B.A./B.Sc./B.Com.(Under-Graduate)

POST-GRADUATE (SELF-FINANCED)

M.A. in Psychology

M.Com in Accountancy and Finance Management

M.Sc Food Technology

**Sanctioned strength:** Under-graduate: 1301 students, post-graduate: 220

**Filled Strength:** Under-graduate: 1044 students, post-graduate:124

**Faculty Strength:** Under-graduate: 47 (Full-time Regular Appointments)

**Conferences/Workshops/Webinars Organized**

State level: 19

National level :04

International: 01

### Publications

	<b>Cat-I</b>	<b>Cat-II</b>	<b>Cat-III</b>	
	<b>Scopus, Web of Science, ICI indexed journals</b>	<b>UGC Recognized</b>	<b>ISSN</b>	<b>Total</b>
Research papers in Journals	04	04	06	14
	Foreign Publisher	Indian Publisher	Local Publisher	
Books/Edited Books	No.	No.	No.	-
Research papers In Edited Books	02	02		04
<b>Total</b>	<b>06</b>	<b>06</b>	<b>06</b>	<b>18</b>

**Papers presented in Conferences/Seminars/Workshops**

Abroad	Within India National/International	Within Goa
01	01	-

**Invited Lectures given by the faculty**

Abroad	Within India	Within Goa
02	13	14

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
Nil	Dr. Solley Thomas Doctor of Philosophy

**No. of Teachers pursuing Ph.D.: 07****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
Ms. Queenie Viegas	Global Konkani Digital Storytelling Award 2020	Fedrick Cardoso Memorial
Dr. Aldina Braganza e Gomes	Certificate of Appreciation for excellent and dedicated efforts in the field of Education	Lions Club of Candolim- 6 <sup>th</sup> December, 2020
Dr. Aldina Braganza e Gomes	Nation Builders Award	Sunrise Rotary Club of Margao
Dr. Manoj R. Borkar	“Goa State Biodiversity Conservation Award 2021”	Goa State Biodiversity Board on 3 <sup>rd</sup> August, 2021,

Dr. Solley Thomas	Winner of Primal Research Ideas in Science and Managemnet (PRISM 2020)	Department of computer Science and Innovation centre CHRIST (Deemed to be University) in collaboration with Indo Korean Science and Technology Centre
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### 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		03
Inter-University	01	01					01
Total	01			02	01		04

Any other information (Awards/Honours and Special Achievements)

### 5A.6 M. E. S. College of Arts & Commerce, Zuarinagar

**Year of Establishment:** 1972

**College Address:** M.E.S. College of Arts & Commerce, Zuarinagar-Goa

**Principal's Details:**

**Name:** Dr. Manasvi M. Kamat

**Contact No:** 0832-2555772, 0832-2556010

**Email:** mescollege1@gmail.com mescollege1@rediffmail.com  
prin.mes@unigoa.ac.in

**College website:** www.mescollege.org

**The NAAC accreditation Status** (whether accredited, score and Grade, accreditation round) **Whether accredited:** Accredited by NAAC

**Score and Grade:** 'B+' Grade with 2.68 CGPA

**Round of Accreditation:** 4<sup>th</sup> Cycle

**Courses offered, sanctioned and filled strength:**

Courses	Sanctioned Strength	Filled Strength
Bachelor of Arts	445	445
Bachelor of Commerce	814	814
Bachelor of Business Administration	132	121
Bachelor of Business Administration in Shipping & Logistics	90	40
Bachelor of Computer Applications	240	143
M.Com.	60	42
Research Centre		
Department of Sociology	08	01

Any new course(s) started: Nil

**Faculty strength:** 35

**Achievements of the College:** Accredited by NAAC 'B+' Grade with 2.68 CGPA Results for the year 2019-20

Class	Percentage
B.A.	100%
B.COM.	97.93%
B.C.A.	100%
B.B.A.	97.72%
B.B.A. (SHIPPING & LOGISTICS)	82.75%
M.COM.	100%

Sponsored Research Projects only sanctioned/Completed during June 2020 and May 2021. (Include only research projects of minimum Rs one lakh)

Sr. No.	Name of Investigator /s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/ completed with date
NIL	NIL	NIL	NIL	NIL	NIL	NIL

Sponsored Consultancy Work sanctioned during the reporting period (Include only consultancy projects with minimum Rs one lakh)

Name of faculty member	Name of consultancy project	Name of the Sponsor	Duration of consultancy	Amount	Sanction date
NIL	NIL	NIL	NIL	NIL	NIL

### Conferences/Workshops Organized (Nos only)

State Level: 01

National Level: NIL

International Level: NIL

### Publications

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
Research papers in Journals	07	-	-	07
	Foreign Publisher	Indian Publisher	Local Publisher	07
Books/Edited Books	-	-	-	
Research papers In Edited Books		02	01	03
Books	-	-	-	
	International	National	Local	-
	-	-	-	
Research papers in Conference Proceedings	-	-	-	-
<b>Total</b>	<b>12</b>	<b>04</b>	<b>01</b>	<b>17</b>

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
NIL	05	NIL

**Invited Lectures given by the faculty:**

Abroad	Within India	Within Goa
-	6	1

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
Nil	<ol style="list-style-type: none"> <li>1. Dr. Atmaram Tarpe – Commerce – Goa University, Goa</li> <li>2. Dr. Ashish Joshi – Commerce – Goa University, Goa</li> <li>3. Dr. Fernandes Savio Epifanio – Physical Education - Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra</li> <li>4. Dr. Semele Sardesai – Management - Goa University, Goa</li> </ol>

No. of Teachers pursuing Ph. D: 06

**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
-	-	-

Sports Achievements of Students: NIL.

Details of the top 5 Sports Achievements, if any, (included in the table 18) 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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
Nil	Nil	Nil	Nil	Nil

Any other Special Achievements of faculty (Maximum of 4 major achievements from one College/institution): NIL

## 5A.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

**Principal's Details:**

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

**Contact No:** (0832) 2722500, 2722511

**Email:** principal.sdcc@vvm.edu.in

**College website:** www.damodarcollege.edu.in

**The NAAC accreditation Status Whether accredited:** yes

Score and Grade: CGPA of 3.03 on a 7-point scale and A Grade.

Round of accreditation: 4<sup>th</sup> cycle

<u>Courses offered strength</u>	<u>Sanctioned</u>	<u>Filled</u>
1. Bachelor of Commerce (BCom)	792	759
2. Bachelor of Computer Application (BCA)	240	170
3. Bachelor of Vocation (Software Technologies)	40	36
4. Bachelor of Business Administration-Fin.Serv.(BBA- FS)	240	230
5. Master of Commerce (MCom)	80	55

<u>Research Centre. If any</u>	<u>Registered for Ph. D</u>
1. Commerce	Nil
2. Economics	Nil
3. Management	02

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

Any new course(s) started: Nil

Faculty strength: Principal - 01 and Full Time - 16

(Note: Specify only the number of full time & regular appointments including teachers on FIP and fellowships. Appointments on Lecture basis, contract and temporary positions of less than eleven months should not be specified)

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

- Accredited by NAAC at A Grade with CGPA of 3.03 on a 7 - point scale. Only College in Goa that is accredited by The Institute of Chartered

Accountants of India (ICAI) for conduct of CA Foundation Course.

The achievements of individual faculty and students are not to be included  
Give only maximum of 5 achievements in order of its importance  
The achievements may include accreditation by recognized agencies like NAAC, National and International collaborations through MOUs with reputed institutions, recognition as Research Centre, recognition by UGC and other Govt agencies as Centre of Advanced Study, Centre of Excellence, sanction of special grants, etc. (not to include RUSA grant as it is common to all)

Sponsored Research Projects only sanctioned/Completed during June 2020 and May 2021. (Include only research projects of minimum Rs one lakh) Nil

Sr. No.	Name of Investigator /s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/completed with date
---	---	---	---	---	---	---

(Please make sure that all columns are filled with appropriate and correct information)

Sponsored Consultancy Work sanctioned during the reporting period  
(Include only consultancy projects with minimum Rs one lakh)

Name of faculty member, Name of consultancy project, Name of the Sponsor, Duration of consultancy, Amount, Sanction date. (For example, Mr/Ms/Dr..XXXXX, 'Economic Growth of Goa', UGC, 2 years, Rs.0.76 Lakhs). Nil.

### **Conferences/Workshops Organized (Nos. only)**

State Level: 01

National Level: 06

International Level: 02

Details of International Conferences/Workshops organized:

A Webinar on 'A Pathway towards Successful Career in Accounting, Finance & Commerce' on 19<sup>th</sup> June 2020. Webinar had overall attendance of 884, including international students from Bhutan, Bahrain, Kuwait and Philippines.

(Specify: The title of the Conference/Workshop, funding agency, amount sanctioned and date, number of participants from abroad).



## Publications

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
Research papers in Journals	00	nil	04	04
	Foreign Publisher	Indian Publisher	Local Publisher	0
Books/Edited Books	No.	No.	No.	0
Research papers In Edited Books	nil	nil	nil	0
Books	nil	00	nil	0
	International	National	Local	
Research papers in Conference Proceedings	nil	nil	nil	
Total	00	00	04	04

(Include publications without overlap. Articles included in Cat 1 should not be repeated in Cat II and Cat III. Similarly for other cases also)

## Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
Nos. only (No. of Papers)	Nos. only (No. of Papers)	Nos. only (No. of Papers)
04	01	00

Invited Lectures given by the faculty. Nil

Abroad	Within India	Within Goa
Nos. only (No. of Lectures) *	Nos. only (No. of Lectures)	Nos. only (No. of Lectures)
00	00	00

\*Details of invited lectures abroad (only if visited abroad) may be given as follows: Name of the teacher, Topic/theme of Lecture, Name of the country and the institution visited, Dates of visit, sponsoring / funding agency.  
Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
Nil	Name, Subject, University which awarded Degree
	1. Dr. Anjali Sajilal - Management - Goa University

No. of Teachers pursuing Ph. D: 05

Awards: Nil

Sports Achievements of Students: (Note: Specify only number)

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate	--	--	--	--	01	--	--	01
State	--	--	--	--	--	--	--	--
Inter-University	--	--	--	--	--	--	--	--
National	--	--	--	--	--	--	--	--
International	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	<b>01</b>	--	--	<b>01</b>

(Events organized by recognized institutions, associations and federations only)

Details of the top 5 Sports Achievements, if any, (numbered in the table 18) 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 <sup>st</sup> /2 <sup>n</sup> d/3 <sup>rd</sup>
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

(Events organized by recognized institutions, associations and federations only. Provide 5 sports Achievements in the order of its importance)

Any other Special Achievements of faculty (Maximum of 4 major achievements from one College/institution) Nil

## 5A.8 Government College of Arts, Science and Commerce, Quepem

**Year of Establishment:** 1987

**College Address:** P.O. Xeldem, Quepem, Goa - 403705

**Principal's Details:**

**Name:** Prof. Joydeep Bhattacharjee

**Contact No:** 9579671708

**Email:** govtcollegequepem@gmail.com      gcasq@rediffmail.com

**College website:** <https://www.gcq.ac.in>

**The NAAC accreditation Status (whether accredited, score and Grade, accreditation round):**

Cycle	Grade	CGPA	Year of Accreditation
1 <sup>nd</sup>	B+	-----	2003
2 <sup>rd</sup>	A	3.23	2016

Course Offered	Sanctioned Strength		Filled Strength	
	Entry level	(Total)	Entry level	Total
B. A.	240	720	240	542
B.Sc.	160	480	160	350
B.Com.	240	720	240	670
M.A. Konkani	15	30	15	30
M.Sc. Mathematics	28	45	28	28
M.Com.	30	58	30	30

**Courses offered, sanctioned and filled strength: BA, BSc, MSc (Chemistry)**

**Research Centre, If any:** Research Centre in Konkani in collaboration with one other college.

**No. of Candidates, subject wise, Registered for Ph. D under the Research Center:** 10 students for Ph.D. Konkani

**Any new course(s) started:** NIL

**Faculty strength:** 60  
58 (Teaching Faculty)

02 (Physical Education Director), 01 (Librarian)

(Note: Specify only the number of full time & regular appointments including teachers on FIP and fellowships. Appointments on Lecture basis, contract and temporary positions of less than eleven months should not be specified)

**Achievements of the College:**

Signed MoU with GIPARD, Goa for collaboration for training of Government personnel.

Excelled in Sports events at University and National level.

**Sponsored Research Projects only sanctioned/Completed during June 2019 and August 2020. (Include only research projects of minimum Rs one lakh):** NIL

**Conferences/Workshops Organized (Nos. only)**

International Level: Nil

National Level: 02

State Level: 05

**Publications**

**Papers presented in Conferences/Seminars/Workshops**

Abroad	Within India	Within Goa
02	08 (National Webinars)	12

**Invited Lectures given by the faculty**

Abroad	Within India	Within Goa
0	05 (National webinars)	11

**Teachers who obtained research degree during the year**

M. Phil.	Ph.D.
0	03

**No. of Teachers pursuing Ph.D.:** 07

**Awards:** Nil

**Sports Achievements of Students: (Note: Specify only number)**

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

<b>Inter-collegiate</b>	00	00	-	00	--	-	-	--
<b>State</b>	00	-	-	00	-	-	-	-
<b>National</b>	01	-	-	01	-	-	-	-
<b>International</b>	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	01	-	-	-	-

(Events organized by recognized institutions, associations and federations only)

Details of the top 5 Sports Achievements, if any, (included in the table 18) at National and International Level only.

<b>Name of the student/captain of the team</b>	<b>Name of the event in which participated (sports/games)</b>	<b>Name of the Tournament/sports event with date</b>	<b>Name of the organizer</b>	<b>Place won 1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup></b>
Vedant Karekar	Wishu Sqay	Jaipur, Rajasthan		1st

**Any other Special Achievements of faculty (Maximum of 4 major achievements from one College/institution)**

Dr. Rajan Mathew and Prof. Sushila Mendes were awarded the Best Teacher's award by the Government of Goa.

#### **5A.9 Goa Vidyaprasarak Mandal's Gopal Govind Poy Raiturcar College of Commerce and Economics, Ponda**

**Year of Establishment:** 1986

**College Address:** GVM's Gopal Govind Poy Raiturcar College of Commerce & Economics, Farmagudi, Ponda – Goa. 403401

**Principal's details:**

**Name:** Prof. (Dr.) Pravin M. Bhende

**Contact No.:** 9822127625

**Email:** pmbhende@gmail.com

**College website:** www.gvmcommercecollege.ac.in

**Courses offered, sanctioned & filled strength:**

B.Com. - sanctioned -720; filled-713

B.C.A. (self financed) – sanctioned -120; filled - 79

M.COM (self financed) - sanctioned -80; filled - 21

**Faculty strength:** 29

**Conferences/workshops organized:**

State 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	Total
Research papers in Journals	-	02	-	02
Research papers in Edited Books	-	0	-	0
Total	-	02	-	02

**Invited Lectures given by the faculty.**

Within India: 02

**Teachers who obtained research degree during the year: 01**

1. Shri. Pravin Bhende – Commerce – Goa University

**No. of Teachers pursuing Ph. D: 01****Sports Achievements:** NIL**5A.10 P. E. S.'s Shri Ravi S. Naik College of Arts & Science, Ponda****Year of Establishment:** 1986**College Address:** Farmagudi, Ponda Goa**Principal's Details:****Name:** Dr. Vikas J. Pissurlekar**Contact No:** 8329464616**Email:** pessrsncol@gmail.com**College website:** <http://www.pessrsncollege.edu.in>

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round)

Reaccredited by NAAC with B Grade and a CGPA of 2.77

**Courses offered, sanctioned and filled strength:**

Course		Sanctioned Strength	Filled strength
B.A	F.Y.B.A	180	164
	S.Y.B.A	180	172
	T.Y.B.A	198	185
B.Sc	F.Y.B.Sc	240	183
	S.Y.B.Sc	240	214
	T.Y.B.Sc	240	207
M.Sc. (Org. Chemistry)	PART I	38	38
	PART II	42	42
M.Sc. (Microbiology)	PART I	25	22
	PART II	25	14

**Faculty strength:**

Regular: 59

Contract Basis: 23

Sponsored Research Projects only sanctioned/Completed during June 2020 and May 2021. (Include only research projects of minimum Rs one lakh)

Sr. No	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/ completed with date
1.	Dr. Sunita Borkar and Dr. Neha Prabhu	'Efficiency of haloalkaliphilic phosphate solubilizing bacterium as bioinoculant for growth of <i>Oryza sativa</i> L. in salt affected coastal saline soils'	1 year	DST, Goa	271400/-	Completed

**Conferences/Workshops Organized (Nos. only)**

Sr. No	State	National	International
Webinar	54	12	3
Workshop	1	-----	-----

## Publications

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
Research papers in Journals	9	1	19	29
	Foreign Publisher	Indian Publisher	Local Publisher	
Books/Edited Books	-----	11	-----	11
Research papers In Edited Books /	-----	-----	-----	-----
Books	-----	2	1	3
Total	-----	13	1	14

### Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
-----	9	-----
--		

### Invited Lectures given by the faculty: Nil

Abroad	Within India	Within Goa
-----	-----	1
-		

### Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
Nil	1

No. of Teachers pursuing Ph. D: 10

### Awards: Nil

Sr no.	Event	Level of Competition	Performance	Event Organizers	Team/ Individual
1.	1 <sup>st</sup> State Inter-College Futsal	Inter-Collegiate	Participation	Goa Football Association	Team



	Championship Men 2021				
2.	National senior Women's Championship	National	Participation	All India Football Federation	Team
3.	Sub-Junior National Tennis Ball Cricket Championship	National	Participation	Tennis Ball Cricket Federation of India	Team

### 5A.11 Cuncolim Educational Society's College of Arts and Commerce, Cuncolim

**Year of Establishment:** 1987

**College Address** : C.E.S. College of Arts & Commerce, Cuncolim, Salcete, Goa 403 703.

#### Principal's Details

Name : Dr. Sanjay P. Sawant Dessai  
 Contact No. : 08322865210/08322865774/9765569757  
 Email : office@cescollege.ac.in principal@cescollege.ac.in  
 College Website : www.cescollege.ac.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round): Accredited with B Grade with CGPA Score of 2.33 on a 7 point scale in 2<sup>nd</sup> Cycle.

#### Course offered & sanctioned and filled strength

Courses offered	Sanctioned strength	Filled strength
B. A	360	346
B. Com	360	214

**Research Centre:** Commerce, Geography and Economics (Cluster System)

No. of Candidates registered for Ph. D	Subject	Research Centre
5	Commerce	Cluster System
1	Geography	Cluster System

**Any new course (s) started:** Marathi (DSC) for B.A.

**Faculty strength:** 21

Achievements of the College: (only Institutional achievements should be mentioned).

- Research Centre (cluster) in Commerce, Geography & Economics
- 3 Professors Posts
- 2 Research Guides

Sponsored Research Projects sanctioned / completed during June 2018 and May 2019. (Include only research projects of minimum Rs. one lakh): NIL

Sponsored Consultancy Work sanctioned during the reporting period (include only consultancy projects with minimum Rs one lakh): NIL

### **Conferences/workshops organized**

State Level: Nil

National Level: Nil

International Level: Nil

Details of International Conferences/Workshops organized: Nil

### **Publication:**

Publications	Cat - I	Cat- II	Cat -III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
I Research papers in journals	-	1	1	2
	Foreign Publisher	Indian Publisher	Local Publisher	
II Books/Edited Books	---	---	---	---
(a) Research papers In Edited Books	--	----	----	---
(b) Books	--	1	----	1
	International	National	Local	
III Research papers in Conference Proceedings	--	1	----	1
Total	--	3	1	4

Paper presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
Nos. only (No. of Papers)	Nos. only (No. of Papers)	Nos. only (No. of Papers)
--	--	---

Invited Lectures given by the faculty

Abroad	Within India	Within Goa
Nos. only (No. of Lectures) *	Nos. only (No. of Lectures)	Nos. only (No. of Lectures)
Nil	1	5

\*Details of invited lectures abroad (only if visited abroad) may be given as follows: Name of the teacher, Topic/theme of Lecture, Name of the country and the institution visited, Dates of visit sponsoring/funding agency

Teachers who obtained research degree during the year: Nil

No. of Teachers pursuing Ph. D: 03

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
Nil			

Sports Achievements: (Note: Specify only number)

Levels of Competition	Individual Event				Team event			Total
	First Place	Second Place	Total	Third Place	First Place	Second Place	Third Place	
Inter-collegiate	---	---	---	--	---	---	---	---
State	---	---	---	---	---	---	---	---
Inter-University	---	---	---	---	---	---	---	---
National	---	---	---	---	---	---	---	---
International	---	---	---	---	---	---	---	---
Total	---	---	---	--	---	---	---	---

(Events organized by recognized institutions, associations and federations only)

Details of the top 5 Sports Achievements, if any, (included in the table 18) at National and International Level only.

Sr. No.	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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
NIL					

(Events organized by recognized institutions, associations and federations only provide 5 sports Achievements in the order of its importance.)

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

(Include only National and international level achievements relating to academics which are very special in nature and not covered under sl nos 8 to 18 above)

## 5A.12 Government College of Arts, Science and Commerce, Sanquelim

**Year of Establishment:** 1988

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

**Principal's Details:**

**Name:** Prof. Gervasio S.F.L. Mendes (Principal)

**Contact No:** Ph. No. (0832) 2364271

**Email:** gcascsg@gmail.com

**College website:** www.gcascsg.ac.in

**The NAAC accreditation Status:**

Score	Grade	Accreditation round	Period
2 <sup>nd</sup>	A (3.17)	2017	12/09/2017 to 11/09/2022

**Courses offered, sanctioned and filled strength:**

Sr. No	Faculty	Class	Subject/papers offered	Strength (total)
1.	Arts (Bachelor of Arts)	F.Y.B.A. (4 Divisions)	Hindi, Marathi, Konkani, Economics, Geography, History, Political Science, English	243
		S.Y.B.A. (3 Divisions)	- do -	274
		T.Y.B.A. (1 Division) In each subject	Six Units in Economics & Hindi or Three Units in any of the following combinations: i. Hindi – Marathi ii. Konkani - Marathi iii. History – Marathi iv. Political Sci. - Economics v. History – English vi. History – Geography vii English – Geography viii. Geography - Konkani ix. History – Hindi x. History – Political Science xi. Political Science – English xii. Konkani – Geography xiii. Marathi – Geography xiv. Hindi – English xv. Hindi – Economics xvi. Political Science – Konkani xvii. Economics – English	106

			xviii. Konkani – Hindi	
2.	Science (Bachelor of Science)	F.Y.B.Sc. (2 Division)	Major Subjects: Computer Science, Physics, Mathematics, Chemistry, Zoology, Geology, Botany	180
		S.Y.B.Sc. (2 Division)	Same as above	174
		T.Y.B.Sc. (1 Division)	Six Units in i. Chemistry ii. Computer Science iii. Physics iv. Zoology v. Mathematics	104
3.	Commerce (Bachelor of Commerce)	F.Y.B.Com. (3 Divisions)	- Accounting OR - Cost Accounting OR - Marketing - Besides other compulsory papers	154
		S.Y.B.Com. (1 Divisions)	- Financial Accounting OR - Cost Accounting OR - Business Management - Besides other compulsory papers	138
		T.Y.B.Com. (1 Division)	- Financial Accounting OR - Cost Accounting OR - Business Management - Besides other compulsory papers	22
4.		M.A. Hindi (Part-I)		17

5.		M.A. Hindi (Part-II)		13
6.		M.A. Economics (Part-I)		13
7.		M.A. Economics (Part-II)		17
8.		M.Sc. Maths (Part-I)		25
9.		M.Sc. Maths (Part-II)		22
10		Ph.D. Research Centre	Economics	10

Any new course(s) started: Cluster Research Centre in Economics.

Faculty strength: 44

#### **Achievements of the College:**

- College Library was ranked 7<sup>th</sup>All India in NLIST online Electronic Service organized by Inlibnet, Gujrat, MHRD, India.
- The college has been recognised by Goa University as Cluster Research Centre in Economics.
- The College figured among the top 151 to 200 Colleges in India as per the National Institutional Ranking Framework (NIRF) of Ministry of Human Resource Development, Government of India 2018-2019 Ranking Survey.
- Conducted varied youth centered programs with the paired College in Jharkhand State under Ek Bharat Shreshth Bharat Abhiyaan.
- The Smart Classrooms and Virtual Class Studio were set up for the benefit of the students funded by RUSA and by the Directorate of Higher Education, Government of Goa.

#### **Conferences/Workshops Organized:**

State Level: 14

National Level: 03

International Level: 5

#### **Details of International Conferences/Workshop organized:**

- 27-28/07/2020: Two Day International Webinar on 'Tulasi Sahitya: Vaishvik Manav Moolya' organised by Post Graduate and Under Graduate Department of Hindi, Government College of Arts, Science & Commerce, Sanquelim, Goa and National Hindi Magazine 'Anbhai'.  
Number of participants: 307 (International Participants - 34)
- 31/07/2020-01/08/2020: Two Day International Webinar on

'VaishvikParidrishya: PremachandSahitya' organised by Post Graduate and Under Graduate Department of Hindi, Government College of Arts, Science & Commerce, Sanquelim, Goa and National Hindi Magazine 'Anbhai'.

Number of participants: 411 (46)

**Publications:**

Publications*	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Reconnized	ISSN	Total
Research papers in journals	5	-	-	05
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books	-	1	-	01
	International	National	Local	
Total	05	01	-	06

**Papers presented-in Conferences/Seminars /Workshops:**

Abroad	Within India	Within Goa
4	2	8

**Invited Lectures given by the faculty:**

Abroad	Within India	Within Goa
01		01

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

M. Phil.	Ph.D.
-	Mr. Mukund Narvenkar, Political Science, Goa University.

**No. of Teachers pursuing Ph.D.: 01**

**Awards/Honours:**

Name of the faculty member	Title of the Awards/Honours	Name of the Agency/ Institution sponsoring the award



Prof. Gervasio S. F. L. Mendes, Principal	Special Recognition for his contribution in the SVEEP Activities	Office of the CEO Goa
Dr. Vanita Patil	Govt. of India RajyaRakshaMantri Commendation Card	Govt. of India, NCC

**Any other Special Achievements of faculty and students:**

- Three faculty members namely Prof. Gervasio S. F. L. Mendes, Prof. Seema Rath and Prof. Soniya R. Sirsat are elevated /promoted as Professors.
- The College conducted the study/survey on 'Economic Revival Plan for the Local Bodies in the State of Goa' on behalf of Directorate of Higher Education and Goa Institute of Public Administration and Rural Development, Government of Goa. The study covered all the 12 Villages Panchayats in SattariTaluka.

**5A. 13 Goa College of Home Science, Campal, Panaji**

**Year of Establishment:** 1988

**College Address :** Goa College of Home Science opp. Parade Ground,  
Campal,  
Panaji- Goa

**Principal's Details:**

**Name :** Dr. Mahesh Pai, Principal  
**Contact No :** 2227603, 2425254  
**Email :** principalgchs@rediffmail.com  
**College website :** www.goahomescience.gov.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round) NIL

**Courses offered:**

- Food, Nutrition & Dietetics
- Textiles & Clothing
- Human Development

**Sanctioned:** 60

**Filled strength:** 60

Research Centre, If any – NIL

No. of Candidates, subject wise, Registered for Ph.D. under the Research Center – NIL

Any new course(s) started: --NIL

**Faculty strength: 9**

(Note: Specify only the number of full time & regular appointments including teachers on FIP and fellowships. Appointments on Lecture basis, contract and temporary positions of less than eleven months should not be specified)

Achievements of the College: Only institutional achievements should be mentioned. ----- ANNEXURE-I is attached.

Sponsored Research Projects only sanctioned during Academic Year 2020-21. (Include only research projects of minimum Rs one lakh)

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned / completed with date
1	Ms. Charlotte Facho (Associate Professor)	Study on Helicteres Isora Fibre, Blended Yarn and Isora /Cotton Union Fabric	7 <sup>th</sup> July 2020	Dept. of Science, Technology and Waste Management, Govt. of Goa	1,35,000 /-	Sanctioned. Project is underway.

(Please make sure that all columns are filled with appropriate and correct information)

Sponsored Consultancy Work sanctioned during the reporting period (Include only consultancy projects with minimum Rs one lakh) ---- NIL

Name of faculty member, Name of consultancy project, Name of the Sponsor, Duration of consultancy, Amount, Sanction date. (For example, Mr/Ms/Dr..XX, 'Economic Growth of Goa', UGC, 2 years, Rs.0.76 Lakhs). ---- NIL

Conferences/Workshops Organized (Nos only)

State Level:9

National Level:2

International Level (Only if there is participation of at least 10% of Scholars from abroad): --- 2

#### Details of International Conferences/Workshops organized

##### INTERNATIONAL WEBINAR ON CURBING INEQUALITY

- On 1 March, Zero Discrimination Day, Goa College of Home Science, Rotary Club of Panaji Riviera and Human Touch Foundation came together to discuss the growing inequalities and to celebrate diversity and reject discrimination in all its forms. A community conversation was held with participation of acclaimed speakers, who shared their lived experiences of being discriminated. Zero Discrimination Day is about how people can become informed about and can promote inclusion, compassion, peace and, above all, a movement for change, said Peter F. Borges, Chief Executive Officer, Human Touch Foundation in his special address at the start of the event. Ryan Costa, President of Rotary Club of Panaji Riviera in his welcome address, stressed the need to take action to end the inequalities surrounding income, sex, age, health status, occupation, disability, sexual orientation, gender identity, class and religion that continue to persist around the world. Ryan Figueiredo, Founder of Equal Asia Foundation stressed the need to support the elderly, focussing on the elderly LGBT population, and finding collaborative solutions to deep-seated social inequities. Vijaya Josephine Pais shared about the plights of thousands migrant workers who suddenly found themselves without jobs or a source of income when India announced a lockdown. Further, she said that the lack of a comprehensive database on migrants was the foremost hurdles preventing the government from providing them much needed support. Celina D'Costa, who works with women living with HIV, specially focusing on aging, expressed that livelihood for women living with HIV and special focus on aging and HIV is need of the hour. Chinmay Modi, a youth living with HIV, shared his lived experiences of being discriminated due to HIV in school setting and called for advancing the rights of children and adolescents living with HIV by ending discrimination. Snehal Salgaonkar, Director of Children's Right in Goa cautioned about declining sex ratio in Goa and also the need to promote gender equality among the children through promotion of campaigns like 'beti bachao, beti padao'. Lastly, Diana Dias, leading the transgender organization, Wajood Goa, called for better social protection mechanism and welfare measures for transgender and intersex people. Principal of Goa College of Home Science, Dr. Mahesh Pai in his concluding remarks, thanked the speakers and called for collective action from all stakeholders to end inequalities, especially among the vulnerable and marginalized.

**Publications**

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
Chapter In Edited Book			1	
Total				1

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
1 (Online Oral Presentation at the 5 <sup>th</sup> International Conference on Natural Fibres (ICNF), Portugal) dated 17 <sup>th</sup> to 19 <sup>th</sup> of May 2021.	-	1

**Invited Lectures given by the faculty.**

Abroad	Within India	Within Goa
-	-	5

Teachers who obtained research degree during the year: Nil

**No. of Teachers pursuing Ph. D:** 02

Awards: (Photo copies of awards enclosed herewith) Nil

Sports Achievements of Students: Nil

Details of the top 5 Sports Achievements, if any, (included in the table 18) at National and International Level only. Nil

**Any other Special Achievements of faculty (Maximum of 4 major achievements from one College/institution):**

The Goa College of Home Science, situated at Campal, Panaji received 100% results at the T.Y.B.Sc. University examinations in *Human Development, Textiles and Clothing* and *Food, Nutrition and Dietetics* specializations. Out of 53 students that appeared for the T.Y.B.Sc. examinations, 15 received distinction, while 22 obtained first class.

## 5A.14 Government College of Arts, Science & Commerce, Khandola

Year of Establishment: June 1989.

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

Principal's details:

Name: Dr. Purnakala V. Samant

Contact No.:9326142001

Email: gcasck@rediffmail.com

Website: www.khandolacollege.edu.in

The NAAC accreditation Status: Whether accredited: Yes

Score and Grade: NAAC Accredited with 'A' Grade CGPA of 3.01 score

Round of accreditation: Cycle 2

Courses offered and sanctioned strength:

- B. A. – Sanctioned strength-160; Filled Strength 168
- B.Sc. Sanctioned strength-180; Filled Strength 180
- B. Com. Sanctioned strength-120; Filled Strength 153
- M.Sc. (Chemistry) Sanctioned strength-30; Filled Strength 38
- M.Com. Sanctioned strength-40; Filled Strength 42
- M.A.(Geography) Sanctioned strength-30; Filled Strength 38
- M.Sc. (Microbiology) Sanctioned strength-20; Filled Strength 27

Research Centre, if any: Yes, in Chemistry

No. of Candidates	Subjectwise	Registered for PhD under Research Centre
4	Chemistry	Cluster Research Centre

Any New Courses Stared: B.Voc. in Software Technologies; Research Centre in Microbiology

Faculty strength: 136

Achievements of the college:

- College participated in NIRF ranking and was ranked in the Rank band of 101 – 150 for the 3rd Consecutive Year.
- College participated in India Today ranking. In the Arts Stream-146, Science Stream-150 and Commerce -188 was the ranking for India Today 2021.
- College received One Star from Institution of Innovation Council (IIC), Ministry of Human Resource Development, Govt. of India. Also, the Department of Microbiology was awarded Best Department Award by the Microbiologists Society, India.
- College was recognized as District Green Champion for South Goa by MGNCRE, Ministry of Education, Govt. of India.

- Teachers were recognized and awarded for their significant contributions to higher education, research and community service through Best State Teacher Award in Higher Education (Dr. Dilecta D'Costa), Best Young Scientist Award (Dr. Sushma Dessai), Best Senior Scientist Award (Dr. Gauri Achari) and Hindi Sevi Puraskar (Dr. Asha Gahloth).
- New Vocational program i.e. B.Voc. in Software Technology was introduced. A new B. Voc laboratory was also set up including computers, internet facility and books. Started MSc Microbiology Part II with adequate infrastructure -
- Ms. Chaitali Parsekar was awarded a second place at India International Science Festival 2020 (IISF 2020) organised by Ministry of Science and Technology, Govt. of Goa for her presentation on the theme "Women Entrepreneur-My Business My Story". -Mr. Sachin Gaonkar was awarded First place in state level inter-collegiate essay competition on the topic "Effect of Covid-19 pandemic on education of college students". -Varada Sawant secured the third place for the elocution competition on the Vigilance Awareness Week.

#### Details of Webinars/ Conferences/ Workshops Organized

The Department of Konkani organized:

- One-Day State Level Seminar on Research Methodology in Konkani on 10<sup>th</sup> March 2021.
- State Level Seminar on the occasion of 10<sup>th</sup> Yuva Konkani Sahitya Sammelan on 31<sup>st</sup> March 2021.
- The Department of Marathi organized a webinar on the topic "Marathi Language and Career Opportunities" on the occasion of Marath Bhasha Divas on 27<sup>th</sup> February 2021.

The Department of Hindi organized:

- National Level Webinar on the occasion of Tulsi-Premchand Jayant on 2<sup>nd</sup> August 2020
- National Webinar by Dr. Suryabala on the topic "Hindi Bhasha ka Mahtwa" on 14<sup>th</sup> September 2020.

The Department of English organized:

- Webinar on the topic "Understanding Modern Language Association Handbook 8<sup>th</sup> Edition" on 16<sup>th</sup> February 2021.
- Webinar on "Strategies to Resolve Communication Barriers" on 17<sup>th</sup> February 2021.
- Webinar-cum-Workshop on "Writings about Childhood" on 10<sup>th</sup> February 2021.

The Department of Psychology organized:

- National Level Webinar on "Covid 19 Pandemic & Suicide Prevention" on 10<sup>th</sup> September 2020.

The Department of Political Science initiated a Lecture series under the theme “Political Ponderings.”

The Department of Economics organized:

- State Level Webinar series on “Digital Marketing: The Smart Way” from 8<sup>th</sup> February to 1<sup>st</sup> March 2021.
- The Department of Geography organized:
- International Level Webinar on “Conservation Ecology of Asian Feline Species” on 8<sup>th</sup> October 2020.
- State Level webinar on the theme “We’re part of the solution for nature” on 22<sup>nd</sup> May 2021.

The Department of Chemistry organized:

- Virtual International Conference on “Porous Materials for Energy and Environment” (PMEE-2021) on 12<sup>th</sup> and 13<sup>th</sup> March 2021.
- Webinar on “Research Trends and Career Opportunities in Inorganic Chemistry” on 21<sup>st</sup> January 2021.
- “Route to research in Inorganic Chemistry” on 23<sup>rd</sup> January 2021.

• The Department of Computer Science organized:

- State Level Webinar on “Journey from Last Bench to First Bench” on 19<sup>th</sup> June 2020.
- Webinars on “Python Programming,” “Introduction to AI and Machine Learning,” “Internet of Things” and “Data-A New Currency”.
- Workshop on “Yoga and Wellness” from 22<sup>nd</sup> October to 25<sup>th</sup> October 2020
- Workshop on “Introduction to GSuite for Education”

The Department of Physics organized:

- Skill enhancement workshop on “Light Painting” on 19<sup>th</sup> December 2020
- Skill enhancement workshop on “UV Light Photography” on 4<sup>th</sup> March 2020.

The Department of Microbiology organized:

- Career guidance workshop for T.Y.B.Sc. Microbiology students on 7<sup>th</sup> November 2020
- National webinar on “Chromosomal Anomalies in Reproduction” on 9<sup>th</sup> November 2020
- State Level Webinar on “Haematological Biomarkers on COVID-19 Diagnosis” on 3<sup>rd</sup> February 2021.
- National Level Webinar on “Bolstering during India’s Covid 19 Emergency” on 16<sup>th</sup> May 2021.
- National Level Webinar titled “Young Bioentrepreneurs” on 13<sup>th</sup> November 2020.
- International Webinar titled “Wheat Blast: A Threat to Global Food Security” on 8<sup>th</sup> January 2021.
- National Level Webinar on “Covid 19 Vaccine Facts and Myths” on 10<sup>th</sup> May 2021.
- State Level Webinar on “Biodiversity: The Mainspring of Ecotourism” on 28<sup>th</sup> September 2020.

- National Level Webinar on “Nanotechnology: Small in Size but Big in Innovations” on 7<sup>th</sup> October 2020.
- International Level Webinar on “Novel Notions in Clinical Microbiology” on 24<sup>th</sup> October 2020.
- State Level Webinar on “Archaea in Halophilic Biotechnology” on 1<sup>st</sup> April 2021
- State Level Webinar on “COVID-19 – Care and Cure through Ayurveda” on 24<sup>th</sup> May 2021.

The Department of Vocation (Software Technologies) organized:

- State Level Webinar on “Basics of Blockchain and How to Build an Enterprise” on 21<sup>st</sup> November 2020
- State Level Webinar on “Basics of Wordpress” on 28<sup>th</sup> November 2020.
- State Level Webinar on “Basics of Software Testing” on 5<sup>th</sup> December 2020.
- Microsoft AI Classroom series workshop in association with NASSCOM.

The Department of Commerce organized:

- Webinar on “Income Tax: Old scheme v/s New Scheme – Implications on salaried class” on 10<sup>th</sup> August 2020.
- Webinar on “Career Counselling and how to answer competitive examination” on 20<sup>th</sup> September 2020.
- Webinar on “How to remain focussed on studies during pandemic situation” on 24<sup>th</sup> October 2020.
- State Level Workshop on “Developing Educational Videos” on 18<sup>th</sup> December 2020.
- Two Day State Level Webinar on “Basics of Econometrics with E-views” on 22<sup>nd</sup> and 23<sup>rd</sup> April 2021.
- Workshop on “How to create Google Form and how to use its features” on 11<sup>th</sup> May 2021.

The Department of Library and Information Science organized National Level Webinar on “Accessing E-Resources & NDLI User Awareness Programme” on 22<sup>nd</sup> December 2020.

The Department of Chemistry (PG) organized a state level web-based lecture series on “Insights of Instrumentation and characterization technique.”

The Department of Commerce (PG) organized:

- National Webinar on “Investor Awareness” on 13<sup>th</sup> February 2021.
- National Level Webinar on “Financial Planning for Younger Generation” on 20<sup>th</sup> February 2021.
- State Level Webinar on “Overview of Option Derivative Trading in India” on 25<sup>th</sup> February 2021.
- State Level Webinar on “Banking – Past, Present and Future” on 6<sup>th</sup> March 2021.
- State Level Webinar on “Insurance Services: Secrets of Marketing” on 23<sup>rd</sup> March 2021.
- One Day Workshop on “Unleash the Genius Within” on 22<sup>nd</sup> March 2021



- One Day Workshop on “Mann ki Shakti” on 24<sup>th</sup> March 2021.
- One Day Workshop on “Managerial Effectiveness: Getting Ready for Corporate Life.”
- One Day Workshop on “Ab Aayega Majja” on 31<sup>st</sup> March 2021.

#### Other Departments and Cells:

- NSS Unit organized a webinar on “Role of teachers and students in protecting Goa’s environment” on 5<sup>th</sup> June 2020.
- NSS Unit and EBSB Club organized a webinar on “The role of youth in COVID-19 situation” on 26<sup>th</sup> September 2020.
- EBSB organized a national level webinar on “Water Conservation & Environment Protection” on 23<sup>rd</sup> July 2020.
- The Department of Folklore and Performing Arts organized a webinar on “Role of Youth in Enriching Folk Culture” on 10<sup>th</sup> November 2020.
- Department of Career Guidance and Placement organized webinars on “Orientation on Company Secretary as Career” (19-22 Oct 2020), “Indian Coast guard & Career opportunities in Indian Coast” (22 Jan 2021), “Route to a Research in Inorganic Chemistry” (23 Jan 2021), “Expectations of HR” (20 Apr 2021), “Opportunities in Overseas Education” (27 Apr 2021), and “Career Counseling and Career Guidance Test”.
- The Department of Extension Services organized Innovative Ideas sharing conference under Talking Talukas.
- Department of Social Inclusion organized webinars on “Read to Lead” (20 Feb 2021), “Self Employment Schemes of the Central and State Government” (27 Feb 2021), “Save Environment” (6 March 2021) and “Children’s Palliative Care” (13 Mar 2021).
- Srujan Manch organized webinars on “Healthy Habits and Dealing with Stress in Covid 19” (19 Sept 2020), and managing finances and financial well-being during the pandemic on 27<sup>th</sup> November 2020.
- Research, Development and Innovation Cell organized workshop webinars on “How to write an effective project report” on 18<sup>th</sup> Sept 2020 (state level), “Language and Literature: Various aspects and possibilities in research” on 31<sup>st</sup> October 2020 (national level), and “Multivariate Data Analysis” on 3<sup>rd</sup> February (National level).
- The Yoga & Wellness Cell organized a one-day faculty development international webinar on 23<sup>rd</sup> April 2021 on the theme of “Inner Peace & Outer Dynamism – The Secret of Success with Smile.”
- Department of Skill Development, MOOCs, Value Added Courses organized a Mask Making Workshop on 15<sup>th</sup> February 2021.
- Gender Equity Cell organized a state level webinar on “Importance of Gender Equity” on 26<sup>th</sup> May 2021.

**Publications:**

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
Research papers in journals	18	12	13	43
Books	Nil	Nil	01	01
	International	National	Local	
Research papers in Conference Proceedings	Nil	01	Nil	01
Total				

**Details of papers published**

- Majik, M. S., Valadares, J. & Tilve S. G., (2021) "Comparison of the Formaldehyde Content in Indian Mackerel (*Rastrelliger kanagurta*) Fish Using High Performance Liquid Chromatography and UV-Vis Spectrophotometry," Journal of Aquatic Food Product Technology, 30(8), 980-987.
- Majik, M.S. (2021) "Synthetic access to thiolane-based therapeutics and biological activity studies" European Journal of Medicinal Chemistry.
- Achari G., Gaitonde S. (2021) "Field evaluation of bacterial wilt resistant lines and identification of promising bacterial wilt resistant varieties for Coastal region "Microbiology Indian Phytopathology.
- Gahloth A.(2021) "Anamika ki kavitaon mein samay aur samaj samvedna." Govapuri.
- Pelapkar, S., (2021) "Ajnabi." Govapuri.
- Majik M. S., (2021) "Isolation and Identification of Tyrosinase Inhibitors from Marine Algae *Enteromorpha* sp." Letters in Organic Chemistry.
- Gahloth A. (2021) "Prem ka Adhyatma Rachti Renu ki Saundaryadharmi kahani- Jadau Mukhada". Samved.
- D'Costa, D Bakal, M. and Anvekar, T. (2021) "Sustainable recycling of hotel waste water in Goa.," Paripex – Indian Journal of Research.
- Nemikal V., Rath, P. K. (2021) "Impact of Covid-19 Pandemic on the employees of hostel industries in Goa." Covid-19 Pandemic: A Geo Ecological Perspective.
- Shet, V., Chodankar, S., Sawant, S., Gomes C., Kandolkar, V. and D'Costa D. (2021) "Effect of traditional medicinal plants on teeth microflora." Indian Journal of Applied Research.
- Naik S. R. (2021), "Larvicidal activity of pristine  $\alpha$ -MnO<sub>2</sub> nanostructures: An environmentally benign approach for combating mosquito (Diptera: Culicidae) menace." Materials Today Communications.

- Nemikal V., Rath P. K. (2021) "Pandemic COVID-19's Impact on Education sector in Goa" Journal of Exclusion Studies.
- Narvekar A. A. (2021) "Development of glycerol-based carbon having enhanced surface area and capacitance obtained by KOH induced thermochemical activation" Materials Chemistry and Physics.
- Gauns Dessai, P. P., (2021) "Synthesis and characterization of  $\text{Ni}_{0.7-x}\text{Mn}_x\text{Zn}_{0.3}\text{Fe}_2(\text{C}_4\text{H}_2\text{O}_4)_3 \cdot 6\text{N}_2\text{H}_4$  ( $x = 0.1-0.6$ ): A precursor for the synthesis of nickel-manganese-zinc ferrites" Materials Chemistry and Physics.
- Lingadkar, P. (2021) "Psychological Contract Breach and Job Outcomes in Indian IT Industry" Web of Science Indexed Journal.
- Lingadkar, P. (2021) Influence of Demographic variables on Relational Psychological Contract, Web of Science Indexed Journal.
- Lingadkar, P. "Psychological Contract of IT Sector Employees in India." Journal of Interdisciplinary Cycle Research.
- Dhar, M. (2021) "Impact of Commodities and Exchange rates on Stock Exchange Indices in India." Turkish Online Journal of Qualitative Inquiry.
- Singh, C., Kumar O. D., Rath R. C., Sukthankar, S. V. (2020) "An analysis of women entrepreneur empowerment on SMEs and its economic sustainability in India: special reference to Ranchi City in Jharkhand." Splint International Journal of Professionals.
- Gaded A. (2020) Migrants in Goa Amidst Pandemic: Identity & Human Rights Crisis, International Peer Reviewed Journal.
- Nemikal V., Rath P. K. (2020), "A Geographical study of female migrant Domestic workers in Margao Goa" Akshar Wangmay International Research Journal.
- Bakre, P. V., Kamat, D. P., Mandrekar, K. S., Tilve S. G., Ghosh N. N. (2020), CuO-NiO-TiO<sub>2</sub> bimetallic nanocomposites for catalytic applications, Molecular Catalysis.
- Majik, Mahesh S. (2020) "Next generation quorum sensing inhibitors: Accounts on structure activity relationship studies and biological activities" Bioorganic and Medicinal Chemistry, ISSN: 0968-0896, <https://www.journals.elsevier.com/bioorganic-and-medicinal-chemistry>
- Lawrence M. B., Joseph J., Usapkar T., Azavedo F. (2020) "Swelling and DC Conductivity Behaviour of Gelatin-Based Ferrogels." Journal of Inorganic and Organometallic Polymers and Materials, ISSN: 1574-1443.
- Nemikal V., Rath, P. K. (2020) "Socio-economic status of migrant women labour force in Goa: A literature-based analysis" International review of business and economics.
- Bakre P. V., Tilve S. G., Shirsat R. N. (2020) "Influence of N sources on the photocatalytic activity of N-doped TiO<sub>2</sub>" Arabian Journal of Chemistry.
- Gauns Dessai P., "Influence of addition of Al<sup>3+</sup> on the structural and solid state properties of nanosized Ni-Zn ferrites synthesized using malic acid as a novel fuel."
- Bakre, P. V., Tilve, S. G. (2020) "Photocatalytic activity of mixed-phase of TiO<sub>2</sub> synthesized by non-aqueous methodology." Indian Journal of Chemistry.
- Sukthankar S. V., Shravani C., Singh C. S., Rath, R. C. (2020) "A Strategic Study on Problems Faced by Women Entrepreneurs in Rural Goa: Emerging

Needs and Challenges.” Splint International Journal of Professionals, ISSN: 2349-6045

- Samant, P., (2020). “Insitu FTIR studies for the enhanced activity of Pt (HY) and Pt- Ru (HY) zeolite catalysts for electrooxidation of methanol in fuel cells,” Chemical Physics Letters.
- Sukthankar, S. V., Chonkar V., Rath R. C., Jain V. K. (2020). An Appraisal of Goa Urban Cooperative Bank: An Empirical Study, Splint International Journal of Professionals.
- Sukthankar, S., Naik, V. (2020). “Role of MSME Sector in India: An Empirical Study” Splint International Journal of Professionals.
- Sukthankar, S. V., Bhandariand, N. D., Nene S. “Causatum of Union Budget Announcement by Using Garch Model: An Evidence From NSE.”
- Gahloth A. (2020)” Dharti se rinanubandh rachati Savita singh ki Kavita” Mati
- Rodriguese F. M., Naik S., Y., (2020) “Impact of Human Resource Practices on Employee's Productivity: A study on manufacturing companies in Goa” Our Heritage.
- Salgaonkar, S., (2020). “Atmanirbhar Villages: Atmanirbhar Bharat Observations from Goa” Shodh Sanchar Bulletin.
- Rane, S., (2020) “Impact of COVID-19 Pandemic on Indian Banking Sector.”
- Gaonkar, S. (2020). “Rural occupational change and its impact on income law of the local Populance- Insight of Village Marcela.
- Velingkar, D., Kerkar, P., (2020) “Revival of sustainable Community Farming: A Case Study on Chorao Island Farmer's Club, Goa, India.”
- Kerkar, P., (2020) “Appliation of Geospatial-Technologies in coastal land use and land cover studies: A case study of select coastal villages of Bardez Taluka, Goa-India” Akshar Wangmay.

**Invited lectures given by the faculty: 29**

Within Goa: 20

Outside Goa: 9

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

**No. of teachers pursuing PhD: 5**

**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. Asha Gahloth	Kartutvavan Mahila Award	Daily Gomantak
Dr. Prakash Vazrikar	Sarafin Costa Praskrut Felisiu Cardoz Yaddastik Shikshak Puraskar	Konkani Bhasha Mandal

Dr. Dilecta D'Costa	Swa Shakti Sahayog Puraskar	Pradnya Shakti, Goa
Dr. Dilecta D'Costa	Memento for meritorious service during COVID-19	Microbiologists Society, India
Dr. Asha Gahloth	Hindi Sevi Samman	Gomantak Rashtrabhasha Vidyapith, Goa & Kedriya Hindi Nideshalay, MHRD, Govt. Of India

### 5A.15 Saraswat Vidyalaya Society's Sridora Caculo College of Commerce and Management Studies, Mapusa

**Year of Establishment:** 1991

1991- B.Com.

2000 - BBA

2009 - BCA

**College Address:** S. V's Sridora Caculo College of Commerce & Management Studies, Telang Nagar, Khorlim, Mapusa - Goa.

**Principal's Details:**

**Name:** Prof. Santosh B. Patkar

**Contact No:** 9421157379

**Email:** patkar\_santosh@rediffmail.com

**College website:** [www.caculocollege.in](http://www.caculocollege.in) / [www.saraswatbba.com](http://www.saraswatbba.com)

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round): Yes, 2.47 with B Grade, 2<sup>nd</sup> Cycle

**Courses offered, sanctioned and filled strength:**

Class	Div	Strength
F.Y.B.COM.	A	48
	B	49
	C	64
	D	64
S.Y.B.COM	A	50
	B	56
	C	59
	D	68
T.Y.B.COM.	A	68
	B	69

	C	68
	D	69

### **Bachelor of Business Administration (BBA)**

Class	Strength
F.Y.B.B.A.	56
S.Y.B.B.A.	52
T.Y.B.B.A.	54

### **Bachelor of Computer Application (BCA)**

Class	Strength
F.Y.B.C.A.	44
S.Y.B.C.A.	26
T.Y.B.C.A.	36

**Faculty strength:** 46

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

Sponsored Research Projects sanctioned, ongoing and completed during 2020 - 2021

#### 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
-	-	-	-	-	-	-

#### 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
-	-	-	-	-	-	-

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

Name of faculty member	Name of consultancy project	Name of the Sponsor	Duration of consultancy	Amount	Sanction Date
-	-	-	-	-	-

Conferences/Workshops Organized (Nos. only)

State Level: Nil

National Level: Nil

**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		04
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books				
Research papers In Edited Books				
Books				
	International	National	Local	
III. Research papers in Conference Proceedings				
Total	02	02		04

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa

Invited Lectures given by the faculty.

Abroad	Within India	Within Goa

Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
NIL	03

Details of research degree obtained:

Name of the Teacher	Department	Name of the thesis	University which awarded degree
Dr. Henrique D'souza	Philosophy	Abrahamic Religion towards a Trans Theological Approach	Goa University
Dr. Riddhi kholkar alias Reshma P. Verelekar	Commerce	A Study of Credit Risk Management Practices of Public and Private Banks in India	Goa University
Dr. P. S. Devi	Economics	A study on the Economic Impact of Migration to Goa	Goa University

No. of Teachers pursuing Ph. D: 8

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

Sports Achievements of Students: (Note: Specify only number)

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate	-	-	-	-	-	-	01	01
State	01	-	-	01	-	-	-	-
National	-	01	-	01	-	-	-	-
International	-	-	-	-	-	-	-	-



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

**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 event with date	Name of the Organiser	Place won 1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
Sankalp S. Naik	Junior Tennis Ball Cricket	Tennis Ball Cricket Championship 27 to 30 sep 2021	U.P & Agra Tennis Ball Cricket Association	2 <sup>nd</sup>
Manjunath Patil	Boxing	All Goa State Boxing Championship 7-9 oct 2021	Goa Boxing Association	1 <sup>st</sup>

**5A.16 Fr. Agnel College of Arts and Commerce, Pilar**

**Year of Establishment:** 1991

**College Address:** Fr. Agnel College of Arts & Commerce, Pilar-Goa

**Principal's Details:**

**Name** : Prof. Savio P. Falleiro

**Contact No** : 9422060384

**Email (Official)** : principal@fragnelcollege.edu.in

**Email (Personal)** : saviofalleiro@gmail.com

**College website** : www.fragnelcollege.edu.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round) Yes

Score	Grade	Accreditation Round
80-85%	B++	I
3.05	A	II

**Courses offered, sanctioned and filled strength:**

Courses Offered	Sanctioned (First Year Level)	Filled Strength (First Year Level)
Bachelor in Commerce	180	149
Bachelor in Arts	120	146
Bachelor in Computer Applications	40	45

Research Centre, If any: Commerce and Economics (under cluster option)

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

Commerce: 08

Economics: 03

Any new course(s) started: -

**Faculty strength:** 51 (including lecture basis)

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

- College figured among top 150 College in Arts & Commerce as per *India Today* 2019, 2020, 2021 Rankings.
- 07 MOUs with national level institutions.
- In-house Peer Reviewed ISSN numbered online research journal.
- 30 hours certificate programmes organized (04 programmes)
- Formulation of IT policies, Research & Publication Policies, College Library & Library policies, Grievance Redressal Policies, Policy of inclusive Education & College infrastructure & facilities policies

**Conferences/Workshops Organized (Nos. only)**

State Level: 12

National Level: 05

International Level: 01

**Details of International Conferences/Workshops organized**

Title of Conference/Workshop	Funding Agency	Amount Sanctioned	Date	No of Participants from abroad
India, Ukraine, Brazil & Greater Mekong Sub Region International Conference 2020 on the theme 'Global Challenges and Threats to National Economics Nowadays' and a	-	-	20-22 November 2020	97

symposium on 'Tourism and Hospitality Industry - Role in Socio-economic development'				
--	--	--	--	--

### Publications

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
Research papers in Journals	01	01	05	07
	Foreign Publisher	Indian Publisher	Local Publisher	
a. Research papers In Edited Books	---	---	---	---
b. Books	---	---	---	---
	International	National	Local	
Research papers in Conference Proceedings	---	02	---	02
Total	---	---	---	

### Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
---	02	---

Invited Lectures given by the faculty.

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

**No. of Teachers pursuing Ph. D: 11**

### 5A.17 Government College of Arts and Commerce, Pernem

Year of Establishment: 1993

College Address: Sant Sohirobanath Ambiye, Government College of Arts & Commerce, Virnoda, Pernem Goa 403 512

**Principal's Details:**

Name: Prof. Filipe Rodrigues e Melo

Contact No.: 9422061226

Email: gcacpg@yahoo.co.in

College website: www.govtcollegepernem.org

The NAAC accreditation status (weather accredited score and grade accreditation round): 'B' Grade, CGPA 2.74/4.00

**Courses offered, sanctioned and filled strength:**

	COURSE OFFERED			
	BA(FYBA)	BCOM(FYBCOM)	MCOM(Part-I)	MA (Part I)
Sanctioned	120	120	30	30
Filled Strength	110	101	30	10

Research Centre, If any Yes, Research Centre (Commerce) S.S.A.Govt. College of Arts & Commerce, Virnoda, Pernem – Goa.

No. of Candidates, subject wise, Registered for Ph. D under the research center 17, Research Centre (Commerce)

Any new course(s) started: MA (Marathi) and IGNOU Courses

Faculty strength: 34

Conferences/Workshops Organised: 03

National Level: 01

International Level (Only if there is participation of at least 10% of Scholars from abroad). 01

**Details of International Conference/Workshops organized:**

18th International Entrepreneurship Forum (IEF) Conference on Entrepreneurship as a Social Movement: Art, Technology, Design and Sustainable Entrepreneurial Transformation.

**Publications:**

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognised	ISSN	Total
I. Research papers in Journals	2	6	1	9
	Foreign Publisher	Indian Publisher	Local Publisher	Total
II. Books/ Edited Books	0	1	1	2

(b) Books	-	-	1	1
	International	Indian	Local	Total
III. Research papers in Conference Proceedings	-	-	3	3
Total	2	7	6	15

Paper presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
-	03	07

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
-	-	06

Teachers who obtained research degree during the year:

M. Phil	Ph. D
--	01

No. of Teachers pursuing Ph. D: 08

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
Lt. Sam Braganza	Best Research Paper	Kisan Vidhya Prasarak Sanstha's Shirpur Dist Dhule, Maharashtra

Sports Achievement of students:

Levels of Competition	Individual Event				Team Event			
	First	Secon	Thir	Tota	First	Secon	Thir	Tota

	Place	Place	Place	Place	Place	Place	Place	Place
Inter Collegiate	2	-	2	4	-	2	3	5
State	-	-	-	-	1	-	1	2
National	-	-	-	-	-	-	1	1
Total	2	-	2	4	1	2	5	8

Details of the top 5 Sports Achievements, if any, (included in the table 18) at National and international level only:

Name of the student/captain of team	Name of the event in which participated (Sports/Games)	Name of the Tournament / sports event with date	Name of the organiser	Place won 1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
Ms. Arpita Savant	Sepaktakraw	23 <sup>rd</sup> Junior Sepaktakraw National Championship	Telangana Sepaktakraw Association	3

#### 5A.18 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 : Prof. Manoj S. Kamat  
 Contact No : 9422415010  
 Email : shreemallikarjuncollege@gmail.com,  
 mskamat@gmail.com  
 College website :  
<https://www.shreemallikarjuncollege.ac.in>

**The NAAC accreditation Status** (whether accredited, score and Grade, accreditation round) Yes, 2.81, and 'B', 2014-2020

#### **Courses offered, sanctioned and filled strength:**

Course offered	Sanctioned	Filled strength
BA	360	297
B.Com	180	162
B.Sc.	240	145

**Research Centre, If any**

Cluster Research Centre in Geography, Government College, Khandola

Cluster Research Centre in Commerce, Government College, Pernem

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

4 candidates in Commerce and 8 Candidates in Geography

**Faculty strength** : 43

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

- As per India Today Ranking 2020, College received 143<sup>rd</sup> rank in Humanities and Social Sciences and 176<sup>th</sup> rank in Accounting & Commerce in India.
- According to EW Ranking-2020, College is ranked 37<sup>th</sup> all over India and 7<sup>th</sup> among colleges in Goa.
- Started Research Center under Cluster Research Programme in the Departments of Commerce & Geography
- Department of Geography signed MoU with South Asian Institute for Advanced Research & Development (SAIARD)
- Dept. of Commerce signed MOU with Bajaj Finserv pvt ltd.

**Conferences/Workshops Organized (Nos only):** 58

**Publications**

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
I. Research papers in Journals	NA	11		11
	NA	Indian Publisher		
II. Books/Edited Books	NA	NA	NA	
a. Research papers In Edited Books	Nos. only	Nos. only	00	00
	International	National	Local	
<b>Total</b>				

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
Nos. only (No. of Papers) 03	Nos. only (No. of Papers) 05	Nos. only (No. of Papers) 00

**Invited Lectures given by the faculty:**

Abroad	Within India	Within Goa
02	10	10

Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
No. only	Name, Subject, University which awarded Degree

**No. of Teachers pursuing Ph.D.:** 03

**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. F. M. Nadaf	Best Teacher Award	Directorate of Higher Education- Goa

**5A.19 Narayan Zantye College of Commerce, Bicholim**

**Year of Establishment** : June, 1994

**College Address** : Vathadev, Sarvan, Bicholim – Goa  
Post: Industrial Estate Pin.: - 403 529

**Email:** zantyeedu@rediffmail.com

**Principal's Details:**

**Name:** Dr. Rajendra Kumbharjuvenkar

**Contact No.:** Office: 2361377/2363769

**Mobile:** 8830864215/8805250848

**E-mail:** raj\_shriya@gmail.com

**College website:** www.zantyecollege.ac.in



The NAAC accreditation Status: Accredited by NAAC with 'B' Grade (CGPA Score 2.76 on a Four Point Scale)

Courses offered, sanctioned and filled strength:

i) B.COM. (Bachelor of Commerce)

Sanctioned strength:

F.Y.B.Com. - 180 + 10% students

S.Y.B.Com. - 180 students

T.Y.B.Com. - 180 students

Filled strength:

F.Y.B.Com. - 197 students

S.Y.B.Com. - 180 students

T.Y.B.Com. - 124 students

Total - 501 students

ii) M.COM. (Master of Commerce) – (Self financing)

Sanctioned strength:

M.Com. Part - I - 40 students

M.Com. Part – II - 40 students

Filled strength:

M.Com. Part – I - 16 students

M.Com. Part -II - 25 students

Total - 41\_ students

Research Centre, if any: Yes, Research Centre in Commerce

No. of Candidates, subject wise, registered for Ph.D. under the Research Centre:  
06 candidates are registered for Ph.D. Subject: Commerce

Faculty Strength:

01 Professor (Full Time Regular)

07 Associate Professors (Full Time Regular)

09 Assistant Professors (Full Time Regular)

01 Librarian (Permanent)

01 College Director of Physical Education & Sports (Permanent)

Conferences/Workshops Organized: (Nos. only)

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	02	---	---	02
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books				
Research Papers in Edited Books	---	03	---	03
	International	National	Local	
III. Research Papers in Conference Proceedings	---	--	01	01
Total	02	03	01	06

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
--- Nil-- -	1.	--Nil--

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
Nil	1. Dr. Bipin Bandekar Sub: Commerce, Goa University 2. Dr. Rajendra Kumbharjuvenkar Sub: Commerce, Goa University

**Sports Achievements of Students: (Note: Specify only number)**

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

## 5A.20 Vikas Parishad, Mandre College of Commerce, Economics and Management, Pernem

**Year of Establishment:** 2012

**College Address:** VP's Mandre College of Commerce, Economics and Management, Mandre -Goa. 403527

### **Principal's Details:**

**Name:** Prof. Tushar S. Anvekar

**Contact Phone No:** 9226417414 / 9834155539

**Email:**

tsanvekar@yahoo.co.in/mandrecollege@yahoo.co.in

**College website:** www.mandrecollege.ac.in

### **Courses offered, sanctioned and filled strength:**

B.COM. Sanctioned 180

Filled strength 104

**Faculty strength:** Nos. only

05 on Regular basis

07 on Lecture basis

Achievements of the College: Applied for UGC under Section 2(f) of the UGC Act 1956

MOU with Confederation of Indian Industry

### **Conferences/Workshops Organized (Nos. only) National Level:**

### **Publications**

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
I. Research papers in Journals	02	02	01	05
a. Books			02	
Total	02	02	03	07

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
		02

**Invited Lectures given by the faculty.**

Abroad	Within India	Within Goa
		02

**No. of Teachers pursuing Ph. D: 01****Sports Achievements of Students:**

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter collegiate	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Inter-University	-	-	-	-	-	-	-	-
National	-	-	-	-	-	-	-	-
International	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-

**5A.21 Swami Vivekanand Vidya Prasarak Mandal's College of Commerce, Bori, Ponda****Year of Establishment:** 2013**College Address:** Swami Vivekanand Vidyaprasarak Mandal's College of Commerce, Bori, Ponda -Goa 403401**Principal's Details:****Name:** Professor (CA) Subrahmanya Bhat**Contact No:** 8806531262/8263806243**Email:** svvmcollege@yahoo.com**College website:** www.svvmcollege.com**Courses offered, sanctioned and filled strength:** Course - BCOM (Honors)**Sanctioned strength** - 198,**Filled Strength** - 180 (FYBCOM-56, SYBCOM- 61, TYBCOM-63)

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

**Faculty strength:** 14

**Achievements of the College:**

- Recognised by UGC under Section 2(f) of the UGC Act 1956
- MOU with Sant Sohrobanath Ambiyee Government College of Arts & Commerce, Pernem (Research Center)
- MOU with the Institute of Company Secretaries of India (ICSI)
- MOU with St. Vincent Pallotti Degree college, Bangalore Karnataka

**Conferences/Workshops Organized (Nos. only)**

National 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	05	07	05	17
Books	—	—	02	02
Total	05	07	07	19

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
—	06	—

**Invited Lectures given by the faculty.**

Abroad	Within India	Within Goa
—	03	03

**No. of Teachers pursuing Ph. D:** 05

**Sports Achievements of Students:** NIL

## 5A.22 Rosary College of Commerce & Arts, Navelim, Salcete

<b>Year of Establishment</b>	: June 1990
<b>College Address</b>	: Navelim, Salcete, Goa
<b>Principal's Details</b>	:
<b>Name</b>	: Dr. Helic M. Barretto
<b>Contact No</b>	: 9422387629
<b>Email</b>	: principal@rosarycollege.org
<b>College website</b>	: www.rosarycollege.org

### The NAAC accreditation Status (whether accredited, score and Grade, accreditation round): 2021-22

Courses offered	Sanctioned strength	Filled strength		
		FY	SY	TY
B.Com.	270	277	281	279
B.A.	162	162	125	123
BCA	80+10%	88	71	54
BBA(Gen)	70	72	47	49
BBA(T&T)	40+5%	44	43	45
M.Com.	40	27	24	-

### Research Centre:

No. of Candidates Registered for Ph. D	Subject wise	Research Center
07	Commerce	Cluster System

### Faculty strength:

	No. of Lecturers
Acting Principal	01
Professor	01
Associate Professor	11
Assistant Professor	24
Part Time Lecturer	01
Contract Basis	08
Lecturer Basis	17
TOTAL	63

### Achievements of the College:

**Sponsored Research Projects only sanctioned/completed during June 2019 and May 2020. (Include only research projects of minimum Rs one lakh)**

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/ completed with date
----- NIL -----						

Sponsored Consultancy Work sanctioned during the reporting period  
(Include only consultancy projects with minimum Rs one lakh)

**Conferences/Workshops Organized (Nos. only)**

State Level : 21

National Level: 17

**Publications (Nos. only)**

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
Research papers in Journals	04	07	02	13
Books/Edited Books	-	-	-	-
Research papers In Edited Books	-	-	-	-
Books	-	-	-	-
	International	National	Local	
Research papers in Conference Proceedings	-	-	-	-
Total				

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
-	-	-

**Invited Lectures given by the faculty. Nos. only (No. of Lectures)**

Abroad	Within India	Within Goa
-	-	-

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
Nil	03

**No. of Teachers pursuing Ph. D: 18****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
Mohan Ramlu Undakoti	The Change Agent Award	Growth and Development Platform (GDP) Foundation, 6 <sup>th</sup> March, 2021

**Sports Achievements of Students: (Note: Specify only number)**

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate	<b>No Event was organized due to COVID-19</b>							
Inter-University								
National								
Total								

**Details of the top 5 Sports Achievements, if any, (included in the table 18) 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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
<b>No Event was organized due to COVID-19</b>				



**5A.23 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:** Prof. D.B. Arolkar  
**Contact No:** (0832) 2268683  
(0832) 2268488  
**Email:** dbarolkar@rediffmail.com  
**College website:** [www.dmscollege.ac.in](http://www.dmscollege.ac.in)

**The NAAC accreditation Status (whether accredited, score and Grade, accreditation round) :** Score : 3.15 out of 4.00

Grade: 'A' Accreditation round: 4<sup>th</sup> Cycle

**Courses offered, sanctioned and filled strength:**

Courses offered	Sanctioned strength	Filled strength		
		FY/Part - I	SY/Part - II	TY
B.A.	360	118	109	116
B.Sc.	360	106	91	97
B.Com.	780	263	263	286
B.B.A.	180	44	42	39
B.C.A.	180	36	24	48
M.Com. Part I & II	100	28	24	
M.Sc. (Pharm. Chem.) Part I & II	60	34	26	
M.Sc. (Organic Chemistry) Part I & II	60	37	30	
Ph.D. Commerce	04	04		
Ph.D. Chemistry	04	04		

**Research Centre:**

No. of Candidates Registered for Ph. D	Subject wise	Research Center
04	Chemistry	Cluster System
04	Commerce	Cluster System

**Any new course(s) started:** No

**Faculty strength:** 93 Nos.

(Note: Specify only the number of full time & regular appointments including teachers on FIP and fellowships. Appointments on Lecture basis, contract and temporary positions of less than eleven months should not be specified).

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

*The achievements of individual faculty and students are not to be included*

*Give only maximum of 5 achievements in order of its importance*

*The achievements may include accreditation by recognized agencies like NAAC, National and International collaborations through MOUs with reputed institutions, recognition as Research Centre, recognition by UGC and other Govt agencies as Centre of Advanced Study, Centre of Excellence, sanction of special grants, etc. (not to include RUSA grant as it is common to all)*

- a. In the 4th cycle of Assessment and Accreditation of the college, conducted by the National Assessment & Accreditation Council (NAAC), Bangalore, the College has been awarded 'A' Grade and a Score of 3.15 out of 4.00. At all India level only 64 out of around 40,000 colleges have been accredited in the 4th cycle and our college ranks 9th at the national level. This is also the highest score in the state of Goa awarded to any college in the 4th cycle.
- b. Mr. Ganesh Govekar, a NCC cadet of Navy wing has been selected to represent India at the International Youth Exchange program to be held at Singapore.
- c. Two cadets from the NCC Navy Wing, Ms. Riya Raut Dessai and Mr. Ganesh Govekar are selected for the Republic Day Parade 2022 to be held at New Delhi.
- d. Ms. Tanisha Mavjekar, a student of T.Y.B.Sc won the Chief Minister's Trophy for Best Singer in the State Level Singing Competition while Ms. Anita Bharadwaj of S.Y.B.Com won the second place in Women's Power Lifting Competition for the Chief Minister's Trophy.
- e. MoU with Goa State Bio diversity Board.
- f. MoU with Goa State Pollution Control Board.

g. MoU with Skillphul Business Toys Pvt. Ltd., Bengaluru, Karnataka.

**Sponsored Research Projects only sanctioned/Completed during September 2020 to July 2021. (Include only research projects of minimum Rs one lakh):**

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned / completed with date
1.	Dr. Naresh Shirodkar	Women on the Panchayati Raj Institutions: Key Issues and Challenges.	12/04/2021 – for 2 years	Directorate of Art and Culture, Government of Goa.	Rs.1,80,000/-	Sanctioned

*(Please make sure that all columns are filled with appropriate and correct information)*

Sponsored Consultancy Work sanctioned during the reporting period *(Include only consultancy projects with minimum Rs. one lakh)*. Name of faculty member, Name of consultancy project, Name of the Sponsor, Duration of consultancy, Amount, Sanction date. *(For example, Mr/Ms/Dr..XXXXX, 'Economic Growth of Goa', UGC, 2 years, Rs.0.76 Lakhs)*: NIL

**Conferences/Workshops Organized (Nos. only)**

State Level: Workshop : --  
 Conference : --  
 National Level: Workshop : --  
 Conference : --  
 Webinar : -- 01  
 International Level Webinar : -- 08

International Level (Only if there is participation of at least 10% of Scholars from abroad): NIL

Details of International Conferences/Workshops organized: NIL

*(Specify: The title of the Conference/Workshop, funding agency, amount sanctioned and date, number of participants from abroad).*

**Publications:**

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total

I. Research papers in Journals	<i>Nos.only</i> 16	<i>Nos.only</i> 02	<i>Nos.only</i> 18	18
	Foreign Publisher	Indian Publisher	Local Publisher	--
II. Books/Edited Books	<i>No.</i> --	<i>No.</i> --	<i>No.</i> --	--
(a) Research papers In Edited Books	<i>Nos.only</i>	<i>Nos.only</i>	<i>Nos.only</i>	02
(b) Books	<i>Nos.only</i>	<i>Nos.only</i>	<i>Nos.only</i>	--
	<i>International</i>	<i>National</i>	<i>Local</i>	
III. Research papers in Conference Proceedings	<i>Nos.only</i> 01	<i>Nos.only</i> --	<i>Nos.only</i> --	01
Total (I + II + III)				21

*(Include publications without overlap. Articles included in Cat 1 should not be repeated in Cat II and Cat III. similarly for other cases also)*

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
--	--	--

#### **Invited Lectures given by the faculty.**

Abroad	Within India	Within Goa
Nos. only (No. of Lectures) * 01	--	Nos. only (No. of Lectures) 06

*\*Details of invited lectures abroad (only if visited abroad) may be given as follows: Name of the teacher, Topic/theme of Lecture, Name of the country and the institution visited, Dates of visit, sponsoring / funding agency.*

#### **Teachers who obtained research degree during the year:**

M. Phil	Ph. D
---	1. Dr. Prabhat Desai, Quality Assurance, R. K. University, Rajkot, Gujarat.

**No. of Teachers pursuing Ph. D.:** 12 Nos.

#### **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
---	----	----

**Sports achievements of Students (Note: Specify only number) Sept. 2020 to July 2021:**

Level of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-Collegiate	-	-	-	-	-	-	-	-
State	-	-	-	-	-	1	-	1
Inter-University	-	-	-	-	-	-	-	-
National	-	-	-	-	-	-	4	4
International	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	1	4	5

*(Events organized by recognized institutions, associations and federations only)*

**Details of the top 5 Sports Achievements, if any, (Included in the table 18) 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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
Aditi Sawant	Hockey 5s championship	Goa state hockey Championship 7 <sup>th</sup> Feb. 2021	Goans Hockey	2 <sup>nd</sup> Place
Namrata Sawant	Tennis Ball Cricket	All India Tennis Ball Cricket Championship 9 <sup>th</sup> to 11 <sup>th</sup> Feb. 2021	Agra & U.P. Tennis Ball Cricket Association	3 <sup>rd</sup> Place
Narayan Shetye	Tennis Ball Cricket	31 <sup>st</sup> Senior National Tennis Ball Cricket Championship- 2021-21 20 <sup>th</sup> to 23 <sup>rd</sup> March 2021	TAMILNADU & KANYAKUMARI TENNIS	3 <sup>RD</sup> Place
Ritesh Parab	Tennis Ball Cricket	31 <sup>st</sup> Senior National Tennis Ball Cricket	TAMILNADU &	3 <sup>RD</sup> Place

		Championship- 2021-21 20 <sup>th</sup> to 23 <sup>rd</sup> March 2021	KANYAKUMA RI TENNIS	
Namrat a Sawant	Tennis Ball Cricket	9 <sup>th</sup> State Women's Tennis Ball Cricket Championship. 27 <sup>th</sup> December, 2020	SHIVAJI SPORTS AND CULTURAL CLUB	2 <sup>nd</sup> Place

*(Events organized by recognized institutions, associations and federations only. Provide 5 sports Achievements in the order of its importance.)*

Any other Special Achievements of faculty (Maximum of 4 major achievements from one College/institution) *(Include only National and International level achievements relating to academics which are very special in nature and not covered under sl nos. 8 to 18 above):* NIL

**Any other special achievements:**

- Leading Cadet Karan Prakash Ghivari was the only Cadet from Goa selected to attend "OVERSEAS NAVAL CRUISE" from 06<sup>th</sup> March to 19<sup>th</sup> April 2021.
- The Naval Unit of the college was declared CHAMPIONS FOR ATC 2020-21 and awarded Overall Best Contingent College Trophy.

**5A. 24 St. Joseph Vaz College, Cortalim**

Year of Establishment: 2017

College Address: Church Street, Cortalim, South Goa-403710

Principal's Details:

Name: Dr. Maria A. A. R. Fonseca

Contact No: 9422055377 / 2550814

Email: principal@stjosephvazcollege.in

College Website: www.stjosephvazcollege.in

Courses offered, sanctioned and filled strength:

Class	No. of Seats Sanctioned	No. of seats filled
F.Y. B.Sc.	60	13
S.Y. B.Sc.	60	17
T.Y. B.Sc.	20	33

Faculty strength: No. only: 14

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

- 2<sup>nd</sup> place in the intercollegiate event “PROXIMA202 1” “Unveil the Mystery” on 6<sup>th</sup> March, 2021 at Ganpat Parsekar College of Education, Harmol Goa.
- Secured the 3<sup>rd</sup> place at the intercollegiate online PowerPoint presentation competition organized by Department of Mathematics at Ganpat Parsekar College of Education, Harmol Goa on the occasion of National Mathematical day on 23<sup>rd</sup> December, 2020.

Conferences/Workshops Organized (No. only):

State Level: 01, College Level: 01

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
Nil	01	01

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
NIL	01	06

Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
Nil	Nil

## 5B. PROFESSIONAL COLLEGES/INSTITUTIONS

### 5B. 25 GSS's Don Bosco College, Panaji

Year of Establishment: 2001

College Address: MG Road, Near Municipal Market, Panjim Goa

Principal's Details:

Name: Dr Cedric Silveira

Contact No: 8830034811

Email: principal@donbosco.goa.ac.in

College website: donbosco.goa.ac.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round): NA

Courses Offered	Sanctioned Strength	Filled Strength
Bachelor in Computer Application (BCA)	80	50
Bachelor in Business Administration (BBA)	40+10% additional	46
Bachelor of Business Administration Travel & Tourism (BBA T&T)	40+10% additional	33
Bachelor of Arts in Mass Communication (BA MC)	40+10% additional	28
Bachelor of Arts in Social Work (BSW)	30	12
Bachelor of Physical Education (BPED)	50	47
Master of Social Work (MSW)	40	00

Courses offered, sanctioned and filled strength:

Research Centre, If any : NA

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

Any new course(s) started: NIL

Faculty strength: 25



(Note: Specify only the number of full time & regular appointments including teachers on FIP and fellowships. Appointments on Lecture basis, contract and temporary positions of less than eleven months should not be specified)

Achievements of the College: Only institutional achievements should be mentioned. The achievements of individual faculty and students are not to be included. Give only maximum of 5 achievements in order of its importance.

The achievements may include accreditation by recognized agencies like NAAC, National and International collaborations through MOUs with reputed institutions, recognition as Research Centre, recognition by UGC and other Govt agencies as Centre of Advanced Study, Centre of Excellence, sanction of special grants, etc. (not to include RUSA grant as it is common to all)

- The college got for 2f and we are in the 1<sup>st</sup> year of NAAC accreditation
- The BBA department had a national level webinar –we aligning business to the new normal
- The BA MC department had a national level webinar – Challenging times of Journalism in India
- The Social Work department had a national level webinar –Old age care and welfare
- In memory of Aalok Shirodkar a Raquet Tournament was held for inter collegiate lecturers.
- BBA department came 94<sup>th</sup> in India in the India Today Survey
- Social Work department came 45<sup>th</sup> in India in the India Today Survey

Sponsored Research Projects only sanctioned / Completed during June 2019 and May 2020. (Include only research projects of minimum Rs one lakh) NIL

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned / completed with date

(Please make sure that all columns are filled with appropriate and correct information)

Sponsored Consultancy Work sanctioned during the reporting period (Include only consultancy projects with minimum Rs one lakh) NIL

Name of faculty member, Name of consultancy project, Name of the Sponsor, Duration of consultancy, Amount, Sanction date. ( For example, Mr/Ms/Dr..XXXXX, 'Economic Growth of Goa', UGC, 2 years, Rs.0.76 Lakhs).

Conferences/Workshops / Webinar Organized (No.s only)

State Level: 1

National Level: 3

International Level (Only if there is participation of at least 10% of Scholars from abroad): Nil

Details of International Conferences/Workshops organized

(Specify: The title of the Conference/Workshop, funding agency, amount sanctioned and date, number of participants from abroad).

Publications

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	2	0	0	
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books	No.	No.	0	
Research papers In Edited Books	Nos. only	Nos. only	Nos. only	
Books	Nos. only	Nos. only	Nos. only	
	International	National	Local	
Research papers in Conference Proceedings	No.s only	Nos only	0	
Total				

(Include publications without overlap. Articles included in Cat 1 should not be repeated in Cat II and Cat III. Similarly for other cases also)

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
Nos. only (No. of Papers)	0	0

Invited Lectures given by the faculty.

Abroad	Within India	Within Goa
Nos. only (No. of Lectures) *	Nos. only (No. of Lectures)	6

\*Details of invited lectures abroad (only if visited abroad ) may be given as follows: Name of the teacher, Topic/theme of Lecture, Name of the country and the institution visited, Dates of visit, sponsoring / funding agency.

Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
No. only	Nil

No. of Teachers pursuing Ph. D: 2

Awards: NIL

Name of the faculty member	Title of the Award	Name of Agency/ Institution sponsoring the award (Only recognised and reputed agencies), Date of award

**Sports Achievements of Students: (Note: Specify only number) Nil**

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate								
State								
Inter-University								
National								
International								
Total								

(Events organized by recognized institutions, associations and federations only)

Details of the top 5 Sports Achievements, if any, (included in the table 18) at National and International Level only. Nil

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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>

(Events organized by recognized institutions, associations and federations only. Provide 5 sports Achievements in the order of its importance. )

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

(Include only National and International level achievements relating to academics which are very special in nature and not covered under sl no.s 8 to 18 above )

### 5B. 26 Goa College of Pharmacy, Panaji

Year of Establishment: 1963

College Address: Goa College of Pharmacy, 18<sup>th</sup> 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](http://www.gcp.goa.gov.in)

Courses offered and sanctioned strength:

Bachelor in Pharmacy:

Sanctioned strength: 63 (60 + 3 [Tuition fee waiver])

Filled strength : 67 + EWS-07 + TFW (Tuition Fee Waiver)-04+

G01(Govt. of India)-02 + Foreign Students-02 = 82. No. of students left after admission rounds = 02. Therefore, Total = 82

Master of Pharmacy: Quality Assurance	Sanctioned Strength	Filled strength
Pharmacology -	15+2 (EWS)	15+02
Pharmacognosy -	06+1 EWS	07
	12+1 EWS	10

Ph. D. in Pharmacy: Strength	Filled strength
	02 (2019-20)
	02 (2018-19)
	02 (2017-18)
	<u>10 (2015-17)</u>
	<u>16 Total</u>

Research Centre, if any: No. of Candidates, subjectwise, registered for Ph.D under the Research Center: Ph.D. in Pharmacy – 02 nos.

Faculty strength: 32

Achievements of the College:

1. Ranked 47th in the country by MHRD under National Institutional Ranking Framework (NIRF-2020).

Conferences/Workshops Organized International Level: 01

Details of International Conferences/Workshops organized: Nil

#### 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	03	01	24
	Foreign Publisher	Indian Publisher	Local Publisher	
	01	--	--	01
Total	12	---	---	
	<i>International</i>	<i>National</i>	<i>Local</i>	
Research papers in Conference Proceedings.	03	05	01	09
	24	08	02	34

Papers Presented in Conference/Seminars/Workshop:  
 Within India: 11                      within Goa: 03

Invited Lectures given by the faculty.  
 Within India: 06                      within Goa: 01  
 No. of Teachers pursuing Ph.D.: -10

Sports Achievements:

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

### 5B. 27 Goa College of Engineering, Farmagudi

Year of Establishment: 1967  
 College Address: Goa College of Engineering, "Bhauasaheb Bhandodkar Technical Education Complex", Farmagudi, Ponda- Goa,403401.

Principal's Details:

Name: Dr. Rajesh B Lohani  
 Contact No.: 91-832-2336301/309  
 Email: ppl@gec.ac.in  
 College Website: www.gec.ac.in

Courses Offered, Sanctioned & Filled Strength

Sr. No.	Courses Offered	Sanctioned	Filled
	<u>Bachelors of Engineering</u>		
1.	B.E. Civil Engineering	60	83
2.	B.E. Mechanical Engineering	60	81
3.	B.E. Electrical & Electronics Engineering	60	80
4.	B.E. Electronics & Telecommunication Engineering	60	72
5.	B.E. Computer Engineering	60	79
6.	B.E. Information Technology	60	74

Remarks	Additional 10% EWS, 5% AICTE, GOI, & PMSSS candidates for BE first year & 10% Direct B.E. Second year Admission
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	Courses Offered	Sanctioned	Filled
	<u>Master of Engineering</u>		
1.	M. E. Foundation Engineering	18	00
2.	M. E. Industrial Engineering (part time)	18	06
3.	M. E. (ETC) Electronics Communication & instrumentation Engineering	15	11
4.	M. E. (ETC) Microelectronics Engineering	15	00
5.	M.E. Power & Energy	18	07
6.	M. E. Computer Sci. Engineering.	18	09
7.	M.E. Information Technology Engineering	18	13
8.	M.E. Structural Engineering	18	18
9.	M. E. Industrial. Automation. & RF Engineering	18	00

Sr. No.	Courses Offered		Filled
Ph.D. Program			
1.	Ph.D - Civil Engineering.	Centralized admission process is carried out at Goa University	05
2.	Ph.D - Electronics & Telecommunication Engineering		00
3.	Ph.D - Electrical & Electronics Engineering		02
4.	Ph.D - Mechanical Engg		05

Note: Mining Engineering Department admission are closed since 2019.

Faculty strength:  
Regular 97+ Contract 34 = total faculty 131

### **Achievements of the College:**

#### Civil Department: -

- Publication of Book on CONCRETE TECHNOLOGY
- Signed one MOU with IPA to set up advanced plumbing lab with an investment of Rs. 2 crores by IPA.
- All signed MOU earlier in 2018-19 onwards are active.
- All signed companies are accommodating our student for Internships (58 Nos. this year) 4 students for Ph. D work.
- 20 Publications
- 3 International journal Publications
- All India competition1 prize-on innovation by Ms. Yogita Gavade
- All PG students are given advanced Internship for one full semester.
- Two Ph. D students have presented Pre-Synopsis
- Developed interaction with JK Cement R & D Labs
- Generated 7 lakhs as Revenue by Testing and consultancy

#### Conferences/ Workshop Organized:

State Level:	National level:
Computer -01	NIL
IT-01	NIL
NIL	Civil-02



## 5B.28 Nirmala Institute of Education, Altinho, Panaji

Year of Establishment: 1963  
College Address: Nirmala Institute of Education, Altinho, Panaji – Goa  
Principal's Details:  
Name: Dr. Delia Antao (Officiating Principal)  
Contact No: 9011545383  
Email: deliaantao@gmail.com  
College website: www.nirmalainstitute.org

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round)  
: To be assessed

Courses offered, sanctioned and filled strength:

Name of the Course	Sanctioned Strength	Filled Strength
Bachelor of Education	2 units of 50 each	
M.A. Wellness Counselling	40 students	
Post Graduate Diploma in Guidance and Counselling	30 students	

Faculty strength: 14                      College Librarian: 1

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

Conferences/Workshops Organized (Nos. only)

State Level:

National Level: 1 (Webinar)

International Level (*Only if there is participation of at least 10% of Scholars from abroad*):

Details of International Conferences/Workshops organized: Nil

Publications

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	1

I. Research papers in Journals	5			5
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books	-		1	1
Books	1		1	2
	International	National	Local	
III. Research papers in Conference Proceedings	-	1		1
Total	-			

#### 5B. 29 Goa College of Art, Altinho, Panaji

1.	Year of Establishment	1972
2.	College Address	Goa College of Art, Altinho, Panaji
3.	Principal's Details • Name • Contact No • Email • College Website	Smt. Sabita Prabhudesai 2226104 ppl-gcart.goa@gov.in www.goacollegeofart.com
4.	The NAAC accreditation status (whether accredited, score and grade, accreditation round)	NA
5.	Courses offered, Sanctioned and filled strength:	B.F.A. (Painting) ..... 23 students B.F.A. (Applied Art)..... 34 students E.W.S. .... 06 students <u>T.F.W. .... 03 students</u> Total ..... 66 Students  M.F.A. (Painting) ..... 10 students M.F.A. (Applied Art)... 10 students <u>E.W.S. .... 02 students</u>

	<p>Research Centre, if any:</p> <p>No. of candidate, subject wise, Registered for Ph.D under the Research Center:</p>	<p>Total ..... 22 Students</p> <p>NIL</p>
6.	Any new course(s) started	<p>1. M.F.A. (Painting)</p> <p>2. M.F.A. (Applied Art)</p>
7.	<p>Faculty strength: No. only (Specify Only the number of full time &amp; regular appointment including teachers on FIP and fellowships). Appointment on Lecture basis, Contract and temporary position of less than Eleven months should not be considered.</p>	<p>B.F.A. 19 Nos.</p> <p>M.F.A. 11 Nos.</p> <p>Enclosed Annexure-I</p>
8.	<p>Achievements of the college: (only Institutional achievements should be mentioned)</p> <p>(i) The achievements of individual faculty and students are not to be included.</p> <p>(ii) Give only maximum of 5 achievements in the order of its importance.</p> <p>(iii) The achievements may include accreditation by recognized agencies like NAAC, National and International collaborations through MOUs with reputed institutions, recognition as Research Centre, recognition by UGC and other Govt agencies as Centre of Advanced Study, Centre of Excellence, sanction of special grants, etc. (not to include RUSA grant as it is common to all)</p>	NIL

Sponsored Research Projects sanctioned and completed during June 2020 and May 2021 (Include only research projects of minimum Rs. one lakh).  
NIL

Sponsored Consultancy Work sanctioned during the reporting period (include only consultancy projects with minimum Rs one lakh) NIL

Conferences/Workshops Organized (Nos. only)

State Level: NIL

National Level: NIL

International Level (Only if there is participation of at least 10% of scholars from abroad): NIL

Details of international conferences/workshops organized. NIL

Publications: NIL

Papers presented in conferences/seminars/workshops: NIL

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

Awards/Honours: NIL

Sports Achievements: (Note: Specify only number of winners) NIL

(Events organized by recognized institutions, associations and federations only)

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

Special Sports Achievements (Participation in National Games, Asian Games, and such similar events organized by recognized association and federations) NIL

Any other special Achievements of faculty and students: NIL

#### LIST OF TEACHING STAFF FOR B.F.A. APPLIED ART/PAINTING

Sr No	Name of the Faculty	Designation
B.F.A. PAINTING DEPARTMENT		
1	Shri Omprakash Naik	Asst. Professor
2	Shri Kedar Dhondu	Asst. Professor
3	Shri Omkar Banaule	Asst. Professor
4	Shri Deepak Shirodkar	Asst. Professor
5	Ms Lorette Pinto	Asst. Professor
6	Shri Gopal Kudaskar	Asst. Professor

7	Shri Mahendra Chodankar	Visiting Faculty
8	Smt Pranali Gaunekar	Visiting Faculty
9	Shri Rajendra Mardolkar	Visiting Faculty
10	Ms. Manashri Pai Dukle	Visiting Faculty
<b>B.F.A. APPLIED ART DEPARTMENT</b>		
1	Smt Maria Ferreira	Asst. Professor
2	Shri Sameer Govekar	Asst. Professor
3	Shri Sagar Gaude	Asst. Professor
4	Ms Gauri Vengurlekar	Asst. Professor
5	Shri Dattaraj Naik	Asst. Professor
6	Shri Siddesh Gaunekar	Visiting Faculty
7	Shri Anthony D'Souza	Visiting Faculty
8	Smt. Swati Juwarkar	Visiting Faculty
9	Smt. Romilla Cotta Carvalho	Visiting Faculty

**LIST OF TEACHING STAFF FOR M.F.A. APPLIED ART/PAINTING**

Sr No	Name of the Faculty	Designation
<b>M.F.A. PAINTING DEPARTMENT</b>		
1	Smt. Harsha Mandurkar	Asst. Professor
2	Shri Kedar Dhondurkar	Asst. Professor
3	Shri Gopal Kudaskar	Asst. Professor
4	Shri Mahendra Chodankar	Visiting Faculty
5	Smt Pranali Gaunekar	Visiting Faculty
6	Ms. Manashri Pai Dukle	Visiting Faculty

M.F.A. APPLIED ART DEPARTMENT		
1	Shri Wilfred Goes	Asst. Professor
2	Smt Maria Ferreira	Asst. Professor
3	Shri Sameer Govekar	Asst. Professor
4	Shri Sagar Gaude	Asst. Professor

### 5B.30 V. V. M's Govind Ramnath Kare College of Law, Margao

Year of Establishment: 1979.

College Address: Vidya Vikas Mandal's G. R. Kare College of Law Shree Damodar Educational campus, P.O. Box No. 777, G.R. Kare Road, 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

The NAAC Accreditation Status:

Last accredited by NAAC with Grade "B" (CGPA of 2.63 on 4.0 point scale)

Courses offered and sanctioned strength:

Name of the course	Sanctioned	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
B.A.LL. B	300	66	60	29	26	30	211
LL. B (DEGREE)	180	47	46	28			121
LL.M	80	21	24				45
Ph. D	04						04

Faculty positions: 6 full time + 8 contract basis + 1 Director of physical education = 15

Achievement of the College:

Memorandum signed with

1. Sanjeevan Society for Youth Development

2. The All Goa Senior Citizen's Federation

3. M/s Lions Club of Margao Central

4. Devi Sharvani Education Society's V.M Salgaonkar College of Law
5. The Universidade de Fortaleza
6. Postgraduate Department of Psychology, Carmel College of Arts, Sciences and Commerce, Nuvem, Goa
7. Carmel College of Arts, Sciences and Commerce, Nuvem, Goa
8. Sakhi One Stop Centre, South Goa
9. University of Coimbra, Portugal
10. School of Legal Studies, British College of Applied Studies at Colombo, Sri Lanka.

Conference/Workshop Organized:

National Level: 01

International Level: 02

Details of International Conferences/Workshops organized:

The title of the Conference/Workshop	Funding agency	Amount sanctioned and date	Number of participants from abroad
International Conference on Criminal Justice and human Right: New Challenges in association with JUSGOV, University of minho, Braga-Portugal	College in association With JUSGOV	College	04

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	Total
Research papers in Journals			06	06
	International	National	Local	Total
Research papers in Journals	--	--	08	08
Total	--	--	14	NIL

Paper presented in Conference/Seminars/Workshop:  
within India: 08      within Goa: 05

Invited Lectures given by the faculty:  
within Goa: 08

No. of Teachers pursuing Ph.D: 06

Sports Achievements:

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter collegia	01			01				
<b>Total</b>	<b>01</b>			<b>01</b>				

### 5B. 31 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

Email id: dean-gdch.goa@nic.in

College Website: <http://gdch.goa.gov.in>

Courses offered & sanctioned strength: BDS – 50 seats & MDS – 18 seats

Faculty strength: 69

Conference/Workshop Organized: State Level - Nil    National Level - Nil

#### Publications:

Publications*	Cat - I	Cat - II	Cat - III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in journals	47	04	02	53
	International	National	Local	
II. Research papers in Conference Proceedings	03	23	---	26
<b>Total</b>				<b>79</b>



Paper presented in Conference/Seminars/Workshop:  
Within India: 51      Within Goa: Nil

Invited Lectures given by the faculty:  
Within India: 16      Within Goa: 14

Sports Achievements: None due to pandemic

Details of the top 5 Sports Achievements: Nil

### **5B. 32 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 Maktedar (Officiating Principal)

Contact No: 2432528/2232507

Email: prin.music @unigoa.ac.in

Courses offered, sanctioned and filled strength

Course	Sanctioned	Filled
Foundation Course in Hindustani Classical Music	50	49
Bachelor of Performing Arts	55	32
Master of Performing Arts	10	08

Research Centre, If any

No. of Candidates, subject wise, Registered for Ph.D. under the Research Center:  
02

Vocal -01 Tabla - 01

Faculty strength: 07

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

- Recognized as a research center by Goa University for Ph.D. for the academic year 2019-20
- Recognition of College under section 12(b) of the UGC Act, 1956 on 28<sup>th</sup> June 2019.

Conferences/Workshops Organized (No only)  
State Level: 03                      National Level – 01

No. of Teachers pursuing Ph.D: 02

### 5B.33 Institute of Nursing Education, Bambolim

Year of Establishment: 1993

College Address: Institute of Nursing Education, Bambolim-Goa, 403 202

Principal's Details:

Name: Prof. Dr. Wilson Nicolau Fernandes

Contact No: 9552386303

Email: principal-ine.goa@nic.in

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

Courses offered, sanctioned and filled strength:

Sr. No.	Courses offered	Sanctioned	Filled
1.	B. Sc Nursing program	110+8 seats	110+2 seats
2.	M. Sc Nursing program	25 seats	05 seats
3	Post Basic Diploma in Neonatal Nursing	25	NIL
4	Post Basic Diploma in Cardiothoracic Nursing	25	NIL

Any new course(s) started: No

Faculty strength: 30 Full time & 3 Contract staff

Conferences/Workshops Organized during June 2020 and May 2021: Nil

Publications: Nil

No. of Teachers pursuing Ph.D.: 02

No. of Teachers pursuing Ph. D.: 03

## 5B. 34 Goa Vidyaprasarak Mandal'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. Jojen Mathew  
Contact No : 9423813450  
Email : gvm.educol@gmail.com  
College website : www.gvmcollege.com

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round) Accredited by NAAC, Second round, CGPA of 2.51 at B+ Grade

### Courses offered, sanctioned and filled strength:

#### 1) Two-year B.Ed. programme

Sanctioned Strength: - FY B.Ed. – 100  
SY B.Ed. – 100

Filled Strength: FY- 98, SY- 99

#### 2) Two-year M.Ed. Programme

Sanctioned Strength: - FY B.Ed. – 50  
SY B.Ed. – 50

Filled Strength: FY- 36, SY: -30

Research Centre, If any : Ph.D. in Education

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

Two candidates registered for Ph.D. In Education

Any new course(s) started: NIL

Faculty strength: No. only

Full Time (Regular) – 12 (B.Ed.)

Contract basis (11 months) – 01 (B.Ed.) + 06 (M.Ed.)

### Conferences/Workshops Organized

National Level: - Eight -

Details of International Conferences/Workshops organized: Two

Topic of Conference: Education in the 21<sup>st</sup> century: A Blended Perspective.

Date of Conference: August 13<sup>th</sup> and 14<sup>th</sup>, 2020

Topic of Conference: International Conference on New Frontiers in Engineering, Science, Law, Management, Humanities and Social Sciences 2020. In collaboration with Eudoxia Research Center Date: 28<sup>th</sup> and 29<sup>th</sup> December 2020

No. of Teachers pursuing Ph. D: - 8

### **5B. 35 Bhartiya Sanskriti Prabodhini's Gomantak Ayurveda Mahavidyalaya and Research Centre, Shiroda**

Year of Establishment: 1993

College Address: B.S. P's Gomantak Ayurveda Mahavidyalaya & Research Centre, Vajem, Shiroda- Goa 403103.

Principal's Details:

Name: Dr. Anura P. Bale

Contact No: 9822589751

Email: baleanura@rediffmail.com

College website: www.gamrc.org

Courses offered, sanctioned and filled strength: B.A.M.S. -Bachelor of Ayurveda Medicine and Surgery (Ayurvedacharya), 60 +05 = 65 Seats.

AYUSH	- 09
DTE	- 38
MANAGEMENT	- 13
<u>EWS</u>	<u>- 05</u>
Total	= 65

Research Centre, If any - Yes

Any new course(s) started: YES (PG) 1) Kayachikitsa 2) Rasashastra & Bhaishajya Kalpana

Faculty strength: 39

Achievements of the College:

- Bharateeya Sanskriti Prabodhina's 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.

- Miss Gayatri Bhonsle participated for E-certificate of All Goa Poster competition on the occasion of International Youth Day 2020.
- Covid Vaccination Programme was held in our hospital Kamakshi Arogyadham.
- Miss Teertha Manerkar secured second place in Yoga video competition organized by India International Science Festival, Ministry of Health, Ministry of Ayush.
- Miss Praneta P. Usgaonkar, Miss Shreya Kakodkar secured second prize in Poster presentation in the fifth international webinar (“Sunetra 2021”) Topic: Retino Vascular Pathological of Systematic illness.
- Dr. Meenal Kaushik faculty of Bits Pilani Goa was invited as a guest lecturer on the occasion of International Women’s Day programme on 16<sup>th</sup> March 2021.
- Our college has organized Transitional curriculum for the FY BAMS students 2020-21 from 15<sup>th</sup> Feb. 2021 to 3<sup>rd</sup> March 2021.
- Pharmacovigilance Awareness Programme of ASU and H drugs on 23<sup>rd</sup> Jan. 2021.
- Swasthvruth and Yoga dept. organized a Mass Suryanamaskar practice on the occasion of Rathsaptami on 19<sup>th</sup> Feb. 2021.
- “Ayu Samvad” Ayurveda for covid-19 pandemic series of lectures organized by our college.

Sponsored Research Projects only sanctioned/ Completed during June 2020 and May 2021. (Include only research projects of minimum Rs one lakh)

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/ completed with date
01	Dr. Anura Bale, (Dr. Geeta Patki)	To evaluate PCOS with special reference to Ayurvedic parameters	14/04/2021	Bharateeya Sanskriti Prabodhini	2,00000/-	Ongoing

**Publications**

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
I. Research papers in Journals	07	04	1. 2231-2919 2. 1001-1749, 3. 2231-2919 4. 0975-7538 5. 2456-9119 6. 2231-2919 7. 2278-4357	11
	Foreign Publisher	Indian Publisher	Local Publisher	
I. Research papers in Conference Proceedings	—	01	—	01
Total	07	05	—	12

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
—	02	01

**Invited Lectures given by the faculty.**

Abroad	Within India	Within Goa
08	14	29

No. of Teachers pursuing Ph. D: 02

Awards: Nil

Sports Achievements of Students:

Details of the top 5 Sports Achievements, if any, (included in the table 18) at National and International Level only.

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

- Dr. Anura P. Bale, Principal was invited as a Resource Person at National Webinar organized by Ayush Darpan Foundation, Dehradun on 13th Sept. 2020 and Ayur Samvad on immunity boosting and post covid management in Ayurveda by Jignasa Goa on 18th Oct. 2020, International Webinar by Chem Bio Nexus and Royal Society of Chemistry, U.K. on paradigm shift to A.I. and Machine Learning on 4<sup>th</sup> & 5<sup>th</sup> Dec. 2021.
- Dr. Anura P. Bale, Principal was invited as a Resource Person at National Workshop at NIA Jaipur in Aug. 2020, Kriya Stree National Webinar by SGR Ayurveda Mahavidyalaya Solapur in March 2021, National Teachers Training Programme by RAV, CCIM, AIIA New Delhi in March 2021.
- Dr. Geeta Patki was invited as a Resource Person on 24/06/2020 for International webinar by KAGOF on glimpse of Atyartav and she is selected as member of Editorial Board on KIJAG Journal. She is also selected as expert for editorial Board on Yashayurved International e-journal at Yashvant Ayurved College Kodoli Kolhapur Maharashtra.
- Dr. Joy Pereira was invited at Goa 365 channel to demonstrate Yoga practice on occasion of International Day of Yoga held on 21<sup>st</sup> June 2020.

### **5B. 36 Shivgram Education Society's Shri Kamaxidevi Homoeopathic Medical College & Hospital, Shiroda**

Year of Establishment	: 1998-99 (Academic Session).
College Address	: "Shiv Shail", Karai, Shiroda – Goa. 403 103.
Principal's Details:	
Name	: Prof. (Dr.) Roshani R. Shirwaikar.
Contact No	: 9890719379.
Email	: <a href="mailto:drshubhashirwaikar@gmail.com">drshubhashirwaikar@gmail.com</a>
College website	: <a href="http://www.homoeopathycollegegoa.org">www.homoeopathycollegegoa.org</a>

Courses offered: Bachelor of Homoeopathic Medicine & Surgery (B.H.M.S).

Sanctioned	: 50
Filled strength	: 50
Faculty strength	: 24

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

- MOU with Switzerland Homoeopathic Medical College, Switzerland – past 13 years.

- Medical Certification of Cause of Death under the aegis of Statistics Department of Government of Goa and Forensic Department, Goa Medical College, Bambolim - Goa.
- Breast Cancer Awareness Programme.
- National Seminar in Materia Medica.
- Research Project on Iron deficiency Anaemia in middle school children.
- Research project on menstrual diseases in teen age group with efficiency of Homoeopathic Medicine.

Conferences/Workshops Organized (Nos. only)

State Level : 03, National Level: 01

Publications : NIL

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
NIL	02	01

Teachers who obtained research degree during the year : NIL

No. of Teachers pursuing Ph. D: NIL

### **5B. 37 Shree Rayeshwar Institute of Engineering & Information Technology, Shiroda**

Year of Establishment : 2001

College Address : Shivshail, Shiroda Goa 403103

Principal's Details

Name : Prof. (Dr.) Shailendra Aswale

Contact No : 9822161240

Email : principal.ritgoa@gmail.com

College website : www.ritgoa.ac.in



Courses offered, sanctioned and filled strength:

Sr. No.	Courses Offered	Sanctioned	Filled
1.	Electronics & Telecommunication Engineering	75+4*	11
2.	Computer Engineering	75+4*	35
3.	Information Technology	75+4*	12
4.	Mechanical Engineering	75+4*	23

\* Seats under AICTE Tuition Fee Waiver Scheme Supernumerary Quota

Any new course(s) started: B.E. in Mechanical Engineering

Faculty strength: 22

Achievements of the College:

1. Valuable Academic Collaborations with 20+ organizations
2. Signed MoUs with 21+ companies / Industries.
3. Outstanding Placement records: Placed 107+ students.
4. Ten Paper published in IEEE xplore digital library.
5. 200+ students received 500+ digital certificates during lockdown period.

#### Publications

Publications	Cat-I	Cat-II	Cat-III	Total
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	
I. Research papers in Journals	NIL	NIL	23	23
	Foreign Publisher	Indian Publisher	Local Publisher	
	International	National	Local	
II. Research papers in Conference Proceedings	13	NIL	NIL	13
Total	13	NIL	23	36

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
NIL	15	NIL

Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
NIL	DR. SHAILENDRA ASWALE Doctor of Philosophy in Computer Science & Engineering Shivaji University, Kolhapur Maharashtra.

No. of Teachers pursuing Ph. D: 03

Awards

Name of the faculty member	Title of the Award	Name of Agency/ Institution sponsoring the award (Only recognized and reputed agencies), Date of award

Sports Achievements of Students: (Note: Specify only number)

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

**5B. 38 P. E. S. College of Education, Farmagudi, Ponda**

Year of Establishment: 2004

College Address: P.E.S.'s College of Education, Farmagudi, Ponda- Goa

Principal's Details:

Name: Dr. Prakash R. Ahire

Contact No: 9850501251

Email: prakash.ahire11@gmail.com

College website: www.pescoe.com

Achievements of the College: Only institutional achievements should be mentioned.: National collaboration with MES'S Pillai College of Education and Research, Chembur.

### Publications

Publications	Cat-I	Cat-II	Cat-III	
	Scopus, Web of Science, ICI indexed journals	UGC Recognized	ISSN	Total
I.Research papers in Journals	-	02	03	
Total				

Papers presented in Conferences/Seminars/Workshops: Nil

Abroad	Within India	Within Goa
-	05	-

Invited Lectures given by the faculty. : Nil

Abroad	Within India	Within Goa
Nos. only (No. of Lectures) *	13	Nos. only (No. of Lectures)

No. of Teachers pursuing Ph.D.: 03

### 5B. 39 Vrundavan Institute of Nursing Education, Colvale

Name of the college : Vrundavan Institute of Nursing Education  
Year of Establishment : 2007  
College Address : Near Binani Glass Fibre Pvt. Ltd, MushirWado, Colvale, Bardez- Goa Pin code: 4035 13

Principal's Details:

Name : Prof. S. Rajeswari  
ContactNo : +918754720832, 07448202838

E – mail : vinegoa@yahoo.co.in, rajiwanthika@gmail.com  
College website : www.vrundavaninstituteofnursing.com

Courses offered, sanctioned and filled strength: Basic B. Sc Nursing  
50 seats (Sanctioned strength) + 05 EWS  
55 students (filled strength)

Faculty strength: 31 (20+ 11)

Achievements of the College:

- Ms. Shivani Shamrao Rane 1<sup>st</sup>Year B. Sc Nursing student won 1<sup>st</sup> prize in online poster drawing competition held by Goa State AIDS Control Society, Panaji, Goa

Conferences/Workshops Organized:  
State Level: 01

#### **5B. 40 Institute of Psychiatry and Human Behaviour, Bambolim**

**Year of Establishment:** 1980  
**College Address:** Bambolim, Goa  
**Principal's Details:**  
**Name:** Dr. Shivanand M. Bandekar  
**Contact No:** 9420920890  
**Email:** dir-iphb.goa@nic.in

**College Website:** www.iphb.goa.gov.in **The NAAC accreditation status (whether accredited, score and grade, accreditation round) :-** Not Applicable

#### **Courses offered, sanctioned and filled strength:**

<b>Course Offered</b>	<b>Sanctioned</b>	<b>Filled Strength</b>
M.Phil in Psychiatric Social Work	8	8
Post Basic Diploma in Psychiatric Nursing	9	3

**Any new course(s) started:** 2 new courses i.e., M. Phil in Psychiatric Social Work & Post Basic Diploma in Psychiatric Nursing was started from

02/12/2019 (MD course in Psychiatry is offered through GMC).

**Faculty strength:** 12 (Twelve)

**Achievements of the College:**

- Training of 44 Medical officers of Directorate of health service in the field of psychiatry.
- Three students have successfully passed the final examination of M. Phil in Psychiatric Social Work in March 2022.
- Mental Health Awareness Program was conducted in 6 village panchayats across Goa i.e. Aggasim, Goa Velha, Curca, Carambolim, Mandur and Curti Khandepar by the faculty and students of M. Phil in Psychiatric Social Work.
- One day orientation cum training program was conducted for the counselor on the topic “Home visit to the covid-19 affected families” by faculty of Psychiatric Social work and Psychiatric Nursing.
- On 12/10/2021. Dr. Ashish Srivastava, Assistant Professor Psychiatry, Shri Sudesh Gaude, Assistant Professor in Psychiatric Social Work and Shri Vithoba Mhalkar, Assistant Professor, Psychiatric Nursing participated in Panel Discussion on Mental Health organized by Doordarshan Panaji. The program was telecasted on Panaji Doordarshan at 6.00 pm, the same was uploaded on You tube channel of DD Goa. Link for the same is <https://youtu.be/-B4OHERxdA>
- Faculty of M. Phil in Psychiatric Social Work and Diploma in Psychiatric Nursing served as resource person in training program of the doctors on “Disclosing news of death to family members and helping health care professionals to deal with emotional reactions”. The program was organized by Directorate of Health Services, Panaji on 28/10/2021.
- Posters on various aspects of mental health and illness were displayed at the OPD Of IPHB for patients and relatives awareness by the students of Post Basic Diploma in Psychiatric / Mental Health Nursing. Street Plays on Mental Health was conducted by students of Post Basic Diploma in Psychiatric Nursing at IPHB on 13/10/2021 at Corlim PHC and IPHB.
- Shri. Sudesh Nanda Gaude, Assistant Professor in Psychiatric Social Work appointed as State Nodal Officer Accessible Election at office of the Chief Electoral Officer, Goa w.e.f 24<sup>th</sup> June 2021 till 24/3/2022.
- Three awareness talk on Doordarshan on the topic Swayampurna Goa, Accessible Election, Divyangjan Special Campaign by Shri. Sudesh Gaude, Assistant Professor in Psychiatric Social Work. Youtube link as follow:
  1. <https://youtu.be/vwNUAMgxRrM>
  2. <https://youtu.be/WB5jVxCQT3k>
  3. [https://youtu.be/6P\\_eurE1B04](https://youtu.be/6P_eurE1B04)
- As a part of Mental Health Week celebration, Quiz Competition (QUIZOMANIA) was organized for the staff and students of IPHB on 12/10/2021. Shri Vithoba Mhalkar, Assistant Professor, Psychiatric Nursing was Quizmaster of this Quizomania.

### Winners of the completion are as below

1st Place	Dr. Anil Rane Dr. Kartik Vangal
2nd Place	Dr. Gaurav Haldankar Dr. Ashutosh Singh Shri. Prajyot Gaonkar Shri. Pratik Gauns
3rd place	Dr. Ashish Srivastava Dr. Wenona Fernandes

- Shri. Sudesh Gaude, Assistant Professor in Psychiatric social Work appointed as “Swayampurna Mitra” for Curti Khandepar village panchayats under Atmanirbhar Bharat Swayampurna Goa, Scheme of Government of Goa.
- Book written by Shri. Sudesh Gaude, Assistant Professor in Psychiatric social Work on the topic “Guide for Booth level officers on Appropriate Behaviour towards Divyangjan and Accessible Elections” published by Office of the Chief Electoral Office, Goa, Government of Goa.
- Shri. Sudesh Gaude, Assistant Professor in Psychiatric social Work selected as a member of syllabus construction and review committee for medical and psychiatric social work specialization at Department of social work, Tilak Maharashtra Vidhyapeeth, Pune.
- On 13/10/2021 a poster competition was organized for the students of Psychiatry, Psychiatric Social Work and Psychiatric Nursing. Dr. Bharati Chavan, Associate Professor, Psychiatric Social Work was coordinator for this Poster Competition.

### Results of the competition are as below

1st Place	Priyanka Amonkar
2nd Place	Karuna Kerkar
3rd place	Dr. Sumati Arikera Vrushali Gaikwad

- Shri. Vithoba Mhalkar, Assistant Professor in Psychiatric Nursing was invited by GIPARD for resources building seminar for health professional in November 2021.
- Shri. Vithoba Mhalkar, Assistant Professor in Psychiatric Nursing was invited as resource person for one day workshop for counselor and psychiatric social worker by LDC, DHS on 02/12/2021.
- Dr. Bharati Chavan, Associate Professor in Psychiatric Social Work invited as Resource Person for the training of jailers on the topic Social Work and Criminology. The training was conducted by GIPARD.
- Shri. Sudesh Nanda Gaude, Assistant Professor in Psychiatric Social Work Delivered a talk on Drug Abuse and Prevention on 13/07/2021 at Human

Resource Development Centre, Goa University which is a part of Nasha Mukta Bharat Abhiyan.

**Sponsored Consultancy Work sanctioned during reporting period (include only consultancy, project with minimum Rs one lakh):** None

**Conferences/Workshops Organized:** Two  
**State Level:** - 2

- “STRIVING FOR A BALANCE BETWEEN PERSONAL AND PROFESSIONAL LIFE...” workshop for the Enthusiastic staff of SUNSHINE HOSPITAL, MARGAO in November 2020 by Shri. Vithoba Mhalkar, Assistant Professor in Psychiatric Nursing.
- One day workshop for psychologists, counselors and psychiatric social workers from all over Goa on “ENHANCING EMOTIONAL INTELLIGENCE: CREATING A WORK LIFE BALANCE” at Institute of Health and Family Welfare, Mapusa Goa on 02/12/2021 by Shri. Vithoba Mhalkar, Assistant Professor in Psychiatric Nursing.

#### **Publications**

<b>Publications*</b>	<b>Cat-I</b>	<b>Cat-II</b>	<b>Cat-III</b>	<b>Total</b>
1. Research papers in journals	-	-	-	-

#### **Papers presented in conferences/Seminars/Workshops:**

<b>Abroad</b>	<b>Within India</b>	<b>Within Goa</b>
-	-	-

#### **Invited Lectures given by the faculty:**

<b>Faculty</b>	<b>Abroad</b>	<b>Within India</b>	<b>Within Goa</b>
<b>Shri. Vithoba Mhalkar</b> Assistant Professor in Psychiatric Nursing	-	08	03
<b>Dr. Bharati Chavan</b> Associate Professor in Psychiatric Social Work	-	-	03
<b>Shri. Sudesh Nanda Gaude</b> Assistant Professor in Psychiatric Social Work	-	-	13
<b>Total</b>	-	<b>08</b>	<b>19</b>

**Shri. Vithoba Mhalkar**, Assistant Professor in Psychiatric Nursing Faculty of Nursing –

- Parul University organized a National Webinar on “Emotional Vaccination: The Booster Against the Pandemic” on 9<sup>th</sup> May 2020
- Invited as resource person for the National e-seminar on the occasion of WORLD MENTAL HEALTH DAY (10/10/2020) to have a session on MENTAL RESILIENCE at KINS, KIIT Bhubhaneshwar
- MCON, MANIPAL ACADEMY OF HIGHER EDUCATION MANIPAL FOR A SESSION ON “good study habits and reverence” ON 01/10/2020.
- MCON, MANIPAL UNIVERSITY, MANIPAL for conducting a webinar on “making evidence-based practice happen in real practice: challenges and opportunities”.
- Part of national webinar as resource person on “Mental health challenges for health care personnel during covid-19 pandemic” along with ma’am Champa Sharma at SMCON, Sikkim Manipal University, Gangtok being attended by 200 plus participants in 11/12/2020.
- Resource Person for the National Webinar on “Understanding emotions, intelligence and emotional intelligence” organized by METAS ADVENTIST SON, SURAT GUJRAT on 28/01/2021.
- National webinar on topic” UNDERSTANDING EMOTIONS: SETTING LIFE IN MOTION” 29/04/2021 MCON, MANIPAL
- Webinar on stress management among students during covid times on 18/08/2020. About 13 higher secondaries from Goa participated in it.

**5B. 41 P. E. S's Rajaram and Tarabai Bandekar College of Pharmacy,  
Farmagudi, Ponda**

Year of Establishment: 2007

College Address: P.E.S's Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda Goa 403401

Principal's Details:

Name: Dr. S. N. Mamle Desai  
Contact No: 8390773995  
Email: smamledesai@rediffmail.com  
College website: www.pespharma.com

Courses offered, sanctioned and filled strength: B. Pharm, Sanctioned strength is 75 plus 4 seats under AICTE Tuition Fee Waiver Scheme, plus 02 from PMSS, Total filled strength=77 (4 years Course)



M.Pharm in Pharmaceutical Chemistry- sanctioned strength is 15 seats, filled strength 13

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

Faculty strength: 22

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

Conferences/Workshops Organized (Nos. only)

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	12			12
	Foreign Publisher	Indian Publisher	Local Publisher	
II.Books/Edited Books		01		01
a. Books		02		02
	International	National	Local	
III.Research papers in Conference Proceedings	04	04		08
Total	16	07		23

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
		04

Invited Lectures given by the faculty.01

Abroad	Within India	Within Goa
		01

No. of Teachers pursuing Ph.D: 06

**Awards: 01**

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. Celina Nazareth	First Place in Oral Presentation at WIP Inter Cons & IPA at Goa	Current Research & Innovations in Healthcare Systems

**Sports Achievements of Students:**

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

**5B. 42 Don Bosco College of Engineering, Fatorda, Margao**

Year of Establishment: 2011

College Address: Fatorda, Margao, Goa, 403 602

Principal's Details:

Name: Dr. Neena S. P. Panandikar

Contact No: 9823625216

Email: principal@dbcegoa.ac.in

College website: www.dbcegoa.ac.in

Courses offered, sanctioned and filled strength:

Sem I

Sr. No.	Courses Offered	Sanctioned	Strength
1	Mechanical Engineering, I+II	120+6	95
2	Electronics & Telecommunication Engineering	60+3	42

3	Computer Engineering	60+3	60
4	Civil Engineering	60+3	38

### Sem III

Sr. No.	Courses Offered	Sanctioned no:	Strength
1	Mechanical Engineering	120+6+12	138
2	Electronics & Telecommunication Engineering	60+3+6	69
3	Computer Engineering	60+3+6	66
4	Civil Engineering	60+3+6	68

### Sem V

Sr. No.	Courses Offered	Sanctioned no:	Strength
1	Mechanical Engineering	60+3+12	72
2	Electronics & Telecommunication Engineering	60+3+12	53
3	Computer Engineering	60+3+12	68
4	Civil Engineering	60+3+12	72

### Sem VII

Sr. No.	Courses Offered	Sanctioned	Strength
1	Mechanical Engineering	60+3+12	60
2	Electronics & Telecommunication Engineering	60+3+12	56
3	Computer Engineering	60+3+12	59
4	Civil Engineering	60+3+12	61

### Faculty strength: No. only

Sr. No.	Courses	Strength	
		Regular	Contract
1	Mechanical Engineering	14	03
2	Electronics & Telecommunication Engineering	14	02
3	Computer Engineering	10	04
4	Civil Engineering	13	01
5	Science & Humanities	06	06

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

1. MoU with Turbocam India Pvt. Ltd. Goa
2. MoU with Astra metal systems Pvt ltd, Goa

3. MoU with Godrej & Boyce Mfg. Com Ltd, Goa
4. MoU with Abhishek Alloys Pvt. Ltd, Belagavi
5. MoU with Polyhedron Systems Pvt. Ltd, Belagavi
6. MoU with Expert Engineering Solutions, Belagavi
7. MoU with Persistent System Ltd., Verna
8. MoU with Cloud Counsellage, Mumbai
9. MoU with Earnestek, Margao
10. MoU with Xerwiz Wlobal, Margao
11. MoU with Internship Station, Margao
12. MoU with Alcolab India LLP Alcon – Anil Counto Enterprise
13. MoU with Nanu Estates Pvt. Limited
14. MoU with Prism Johnson Limited (Readymix Division)
15. MoU with Ultratech Cement Limited
16. AICTE CII Survey 2019 – Silver Ranking

Sponsored Research Projects only sanctioned / Completed during June 2016 and May 2017. (Include only research projects of minimum Rs one lakh):

Sr. No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs in Lakhs)	Specify whether sanctioned/ completed with date
1.	Prof. Chetan Gaonkar	Design, Analysis and fabrication of same end inlet-outlet Muffler	28/05/2020	DST, Goa	1,20000/-	Completed 20 <sup>th</sup> June 2020
2.	Prof. Ishan Kossambe	Experimental and Theoretical Investigation of solar still for water Distillation	25/06/2020	DST, Goa	1,25000/-	Completed 15 <sup>th</sup> April 2020
3.	Prof. Gaurish Samant	Design & development of system for the extraction of water from air using vapor compression system.	18/07/2020	DST, Goa	32,500 first installment	Completed 10 <sup>th</sup> March 2020
4.	Prof. Suraj Marathe	Analysis & Optimization of Critical parameters of an Automated Hydraulic Die-casting Machine	28/05/2020	DST, Goa	1,11,500	Completed 20 <sup>th</sup> June 2020
5.	Dr. Gaurang S. Patkar, Amey Tilve	Sentiment Analysis of Online Articles	01/05/2018 3 years	DRDO	13,70,000	Sanctioned

Conferences/Workshops Organized (Nos only):

State Level : 28

National Level : 02

International Level : 01

Details of International Conferences/Workshops organized:

(Specify: The title of the Conference/Workshop, funding agency, amount sanctioned and date, number of participants from abroad).

Sr. No	Title of the Conference/Workshop	Funding agency	Amount sanctioned and date	Number of participants from abroad

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	04	07	15
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books	No.	No.	No.	
a. Research papers In Edited Books	01	Nil	Nil	01
b. Books	Nil	Nil	Nil	Nil
	International	National	Local	
III. Research papers in Conference Proceedings	26	04	01	31
Total	31	08	08	47

Papers presented in Conferences/Seminars/Workshops:

Abroad	Within India	Within Goa
Nos. only (No. of Papers) NIL	Nos. only (No. Papers) 22	Nos. only (No. of Papers) NIL

Invited Lectures given by the faculty:

Abroad	Within India	Within Goa
No. only (No. of Lectures) NIL	No. only (No. of Lectures) 03	No. only (No. of Lectures) 17

Teachers who obtained research degree during the year:

M. Phil.	Ph.D.
No. only NIL	Name, Subject, University which awarded Degree  02 nos  1) Dr. Gaurang S. Patkar, Automated Grading of Oil Palm Fruits using Soft Computing, VIT University, Vellore  2) Dr. Vivek Jog, Intelligent Multilevel Authentication and Authorisation Protocol (IMA2P) with Modified Hashing Technique for IoT., School of Computing Vel. Tech Rangarajan Dr. Sagunthala R&D, Institute of Science & Technology, Chennai

No. of Teachers pursuing Ph.D.: 19

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

Sports Achievements of Students: (Note: Specify only number)

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

Details of the top 5 Sports Achievements, if any, (numbered in the table 18) 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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
1. Khedekar Pranav Ravindra	Weightlifting	Inter University	Mumbai University	NIL

2. Chipkar Rajat Nagraj				
3. Rane Kaviraj Krishna				
1. Bind Neehal Indrajeet	Cricket	Inter University	Gwalior University	Nil
1. Simron Wendell Rodrigues	Handball	Inter University	Gwalior University	Nil

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

- Prof. Ramnath V. Prabhu Bam secured topper of 5% in NPTEL in “Noise Management and Control”.
- Dr. Kala R. Nayak secured topper of 1% in NPTEL in Introduction to Biostatistics”.
- Mrs. Mayalin Noronha secured topper of 5% in NPTEL in “Ethics in Engineering Practice”.
- Dr. Shwetha Prasanna, Asst. Prof. Swaroopa Sail & Asst. Prof. Akshata Kudchadker secured Elite Medal in the 12-week NPTEL online exam in the subject Integrated Waste Management for smart city. Asst. Prof. Madhuraj Naik and Asst. Prof. Kaushik V. Pai Fondekar secured Elite Silver Medal in the 4-week NPTEL online exam in the subject Reinforced Concrete Road Bridges.

#### **5B. 43 Goa College of Hospitality and Culinary Education, Cidade de Goa, Vaingnim**

Year of Establishment: 2011

College Address: Cidade de Goa, Vainguinim Beach, Goa 403004.

Principal’s Details:

Name: Zarine Lobo

Contact No: 9850902471

Email: principal@gchce.com

College website: www.goahospitalitycollege.com

Courses offered: BBA degree in Hospitality and Culinary Management

Sanctioned: 33 Filled strength: 32

Research Centre, if any No. of Candidates, subject wise, Registered for Ph.D. under the Research Center

Faculty strength: 3

No. of Teachers pursuing Ph. D: 1

#### 5B. 44 Agnel Institute of Technology and Design, Assagao, Bardez

Year of Establishment: 2012

College Address: Agnel Technical Education Complex, Assagao, Bardez, Goa

Principal's Details:

Name: Dr. V. Mariappan

Contact No: 9975540649

Email: vm@aitdgoa.edu.in

College website: www.aitdgoa.edu.in

Courses offered, sanctioned and filled strength:

Year	Courses	Sanctioned	Filled
2020-21	MECHANICAL ENGG.	63	33
	COMPUTER ENGG.	63	67
	ELECTRONICS & COMMUNICATION ENGG.	63	33

Faculty strength: 43

Conferences/Workshops Organized (Nos. only)

National Level: 02

Publications

Publications	Scopus, Web of ICI indexed journals	UGC Recognized	ISSN	Total
I. Research papers in Journals	05	02	12	19
III. Research papers in Conference Proceedings	02	NIL	NIL	02
Total	07	02	12	21

Papers presented in Conferences/Seminars/Workshops:



Within India -02, Within Goa-Nil

Invited Lectures given by the faculty.  
Within Goa-02

No. of Teachers pursuing Ph. D: 04

Sports Achievements of Students: (Note: Specify only number)

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter collegiate	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Total	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

#### **5B. 45 Vidya Prabodhini College of Commerce Education, Computer and Management, Porvorim**

Year of Establishment: 2012

College Address: Prabodhan Education Society's Vidya Prabodhini  
College of Commerce, Education, Computer &  
Management Vidya Nagar, Parvari, Taluka-Bardez, Goa –  
403521

Principal's Details:

Name: Dr. Bhushan V. Bhave

Contact No.: 0832-2413600 9421160780/9673123355,

Email: vidyaprabodhinigoa@gmail.com

info@vidyaprabodhnicollege.edu.in

College website: www.vidyaprabodhnicollege.edu.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round): YES, B+ Grade with 2.73 score, First Cycle, Date: 26/09/2018.

Courses Offered, sanctioned and filled strength:

Course	Sanctioned Strength	Filled Strength
B. COM		
F.Y.B. Com	120	117
S.Y.B. Com	120	119
T.Y.B. Com	120	135

B.A.B.Ed.		
F.Y.B.A.B.Ed.	100	100
S.Y.B.A.B.Ed.	100	100
T.Y.B.A.B.Ed.	100	99
FourthYear B.A.B.Ed.	100	95

Research Centre, If any - NA

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

Any new course(s) started: No

Faculty Strength: 28

(Note: Specify only the number of full time & regular appointments including teachers of FIP and fellowships). Appointments on Lecture basis, contract and temporary positions of less than eleven months should not be specified.

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

The achievements of individual faculty and students are not to be included.

Give only maximum of 5 achievements in the order of its importance.

The achievements may include accreditation by recognized agencies like NAAC, National and International Collaborations through MOUs with reputed institutions, recognition as Research Centre, recognition by UGC and other Govt agencies as Centre of Advanced Study, Centre of Excellence, recognition for special grants, etc. (not to include RUSA grant as it is common to all): -- Nil – Sponsored Research Projects sanctioned/Completed during June 2020 and May 2021 (Include only research projects of minimum of Rs. One lakh)

No.	Name of Investigator/s	Project Title	Date of Sanction and duration	Funding Agency	Amount (Rs. in Lakhs)	Specify whether sanctioned/ Completed
	NIL					

(Please make sure that all columns are filled with appropriate and correct information)

Sponsored Consultancy Work sanctioned during the reporting period (Include only consultancy projects with minimum Rs. One lakh) - NIL

Name of faculty member, Name of consultancy project, Name of the Sponsor, Duration of Consultancy, Amount, Sanction date. (For example, Mr/Ms. XXXXXX, "Economic Growth of Goa", UGC, 2 years, 0.76 Lakhs).

Conferences/Workshops Organized (Nos. only)

State Level: NIL

National Level: NIL

Details of International Conferences/Workshops organized - NIL

(Specify: The title of the Conference/Workshop, funding agency, amount sanctioned and date, number of participants from abroad).

**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	01	07	09
	Foreign Publisher	Indian Publisher	Local Publisher	
II. Books/Edited Books	--	--	--	--
(a) Research papers in Edited Books	--	--	--	--
(b) Books	--	--	--	--
	International	National	Local	
III. Research papers in Conference Proceedings	--	--	--	--
Total	01	01	07	09

(Include publication without overlap. Articles included in Cat I should not be repeated in Cat II and Cat III. Similarly, for other cases also)

**Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
02	08	01

**Invited lectures given by the faculty.**

Abroad	Within India	Within Goa
--	11	06

\* Details of invited lectures abroad (only if visited abroad) may be given as follows: Name of the teacher, topic/theme of lecture, Name of the Country and the institution visited, Dates of visit, sponsoring /funding agency.

Teachers who obtained research degree during the paper:

M.Phil.	Ph.D.
NIL	02

No. of Teachers pursuing Ph.D.: 08

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
NIL	NIL	NIL
NIL	NIL	NIL

Sports Achievements of students: (Note: Specify only number)

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter collegiate	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
State								
Inter-University								
National						01		01
International								
Total	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

(Events organized by recognized institutions, associations and federations only)

#### 5B.46 V. M. Salgaocar Institute of International Hospitality Education

Year of Establishment: 2014  
 College Address: Manora, Raia, Salcete, Goa

Principal's Details:

Name: Prof. Irfan S. Mirza, Director/Principal  
 Contact No: 7720023201  
 Email: irfan.mirza@vmsiie.edu.in  
 College website: www.vmsiie.edu.in

**Courses offered, sanctioned and filled strength:**

B.Sc. International Hospitality Management		
Course	Sanctioned Strength	Filled Strength

F.Y B.Sc IHM	120	60
S.Y. B.Sc IHM	120	85
T.Y. B.Sc IHM	120	63

**Any new course(s) started:** M.Sc. International Hospitality and Tourism Management from September, 2020.

**Faculty strength: No. only**

Nature of Appointment	No of Faculty
Regular	11
Visiting Faculty	12
Guest & Industry experts	8

**Achievements of the College:**

- 5-star rating Award by Food Safety and Standards Authority of India (FSSAI) for "Eat Right Campus".
- Our institute is recognized as a Social Entrepreneurship, Swachhta & Rural Engagement Cell (SIS REC) Institution under MHRD.
- Certificate of Appreciation was awarded by Raia Panchayat for the various CSR activities of the institute for Raia village.

**Our institute has MOU with -**

- MOU with Cesar Ritz Colleges Switzerland, to cooperate to provide international education and practical training for VMSIHE students
- MOU with Turismo de Portugal for study - exchange program in Wines and Gastronomy for a period of 4 weeks at the host campus.
- Member of Skal International Goa

**Teachers who obtained research degree during the year:** Dr. Deepti Jog-Ph.D.

**Knowledge Enhancement**

Workshop/Seminars/Webinars

- Webinar titled "Masterclass on Goan Cuisine" was organised for staff and students. Resource person for the webinar were Chef Edia Cotta and Chef Sandip Madkaikar.
- Webinar on Eco-Tourism was organised for staff and students. Resource Person Dr. Derek Monteiro (Ph.D. Environmental Tourism).

- Training in Catering (Level2) & COVID-Food Safety Supervisor was attended by Asst. Prof. Ms. Gauri Patil. It was organized by Indianeers Food Safety Management, Madhya Pradesh.
- Ms. Gauri Patil, Asst. Prof. and Ms. Alethea Baracho, Counsellor, participated in the ADMAA, webinar Series organized by Amity University, Noida, titled “Impact of Covid-19 on Higher Education in Emerging Countries”
- The Vigilance Awareness Week 2020 was celebrated to coincide with the birth anniversary of Sardar Vallabhbhai Patel (31stOctober). The theme for 2020 Vigilance Awareness Week is “Vigilant India, Prosperous India (Satark Bharat, Samridh Bharat)”. Faculty members took part in this initiative.

#### Culinary Conversations

- The first episode of the ‘Culinary Conversations’ series was the interaction with premier Indian Super League Club, FC Goa’s football superstars Ivan Gonzalez and Lenny Rodrigues.
- The 2<sup>nd</sup> online episode of ‘Culinary Conversation’ was with Vince Costa, a documentary film maker, musician, entrepreneur, and photographer. He is the founder of Red mackerel and Creative Goa

#### Infrastructure upgradation

- New auditorium with 400 people occupancy is ready.
- One additional computer lab.
- Pizza oven has been built wherein specialized fire reflecting bricks and fire reflecting clay.

### 5B. 47 Ramanata Crisna Pai Raikar School of Agriculture, Savoi-Verem

Year of Establishment: 2016

College Address: Madhala wada, Savoi – Verem, Ponda – Goa.

Principal’s Details:

Name: Shrirang V. Jambhale (In-charge)

Contact No: 7588920490

Email: rcpragrischool@gmail.com

**College website:** [www.rcpragrischool.com](http://www.rcpragrischool.com)

**Courses offered:** Diploma & Advance Diploma (Agriculture)

**Sanctioned strength:** 30

**Filled strength:** 13

**Faculty strength:** 05

**Achievements of the College:**

The institute has MoUs as follows:

-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.

**5B. 48 J. D. Institute of Fashion Technology, Panaji**

**Year of Establishment:** Affiliated 2019, and established in the year 1988

**College Address** : JD Institute of Fashion Technology, Mushtifund Saunsta, Near Mahalaxmi Temple, Dr Dada Vaidya Road, Panjim Goa – 403001

**Principal's Details:**

Name : Babu Rajendra Prasad R

Contact No : 9845653000

Email : principal.goa@jdindia.com

principal@jdinstitute.edu.in

College website : <https://www.jdinstitute.edu.in/>

**Courses offered, sanctioned, and filled strength:**

Course Offered	Sanctioned Strength	Filled Strength
BSc Fashion & Apparel Design	40	09
BSc Interior Design	40	18

Any new course(s) started: Nil

Any other Special Achievements of faculty

Research Centre, If any: Nil

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

**Faculty strength: 11**

Achievements of the College: Nil

Sponsored Research Projects only Sanctioned/Completed: Nil

**Conferences/Workshops Organized (Nos. only): 01**  
(Webinar)

Details of International Conferences/Workshops/ Webinars organized: Nil

**Publications:**

Publications	NAAS Rated Journals			Total
Research papers in Journals	2			2
Research abstracts in Conference Proceedings	International	National	Local	
	1	2	--	3

**Papers presented in Conferences/Seminars/Workshops:**

Conference/Seminars/Workshops	International	National	Local	Total
Conference	--	1	--	1
E- Conference	1	1	--	2



Invited Lectures are given by the faculty: Nil

Teachers who obtained research degrees during the year: Nil

**No. of Teachers pursuing Ph.D.: 01**

**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. Shweta Mariyappanavar	Women Scientist Award	Udayana University Kampus Bukit Jimbaran, Bail, Indonesia & Scientific & Educational Research Society, Meerut (UP). Dated: 9 <sup>th</sup> & 10 October, 2020

Sports Achievements of Students: Nil

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

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

- Fashion volunteers for the events management at the grand finale of Miss, Mrs, Mr India 2021, organized by taj events & productions held in Goa during 17th & 18th December 2020.
- JD students participate in the India Skill Competition, qualified and secured First and Runner Up Prizes at State Level.
- Fashion volunteers during the finale of all India beauty pageant “First Miss India 2021” scheduled at Hotel Novatel South Goa from 28th to 30th October 2021.

- Educational Partner - Aura Miss. Mrs. Mr. India 2021 & Aura Fashion Week in Goa held from 14<sup>th</sup> to 17<sup>th</sup> November 2021.

#### **5B. 49 V. M. Salgaocar College of Law, Miramar**

**Year of Establishment** : 1972

**College Address** : V.M Salgaocar College of Law, Miramar, Panjim, Goa- 403001, India. Telephone No: + 91-832-2462225 / Fax: 91-832-421571.

**Principal's Details:**

Name : Dr. K. S. RAO  
 Contact No : 9420596600  
 Email : principal@vmsslw.edu.in  
**College website** : www.vmslaw.edu.in

The NAAC accreditation Status (whether accredited, score and Grade, accreditation round): -Yes, 2.56 on Seven Point Scale & B+ Grade, III round)

**Courses offered, sanctioned and filled strength:** LL. B (Degree), B.A.LL. B, LL.M & Ph.D.

**Research Centre, If any:** Ph.D.

**No. of Candidates, subject wise, Registered for Ph. D under the Research Center:** 01 (LAW)

**Faculty strength:** 26

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

**ORDER OF ACHIEVEMENTS**

- MOU with GRO- Global Resolution Organization (USA) of 10/11/2018 Purpose: Organization International Students Competition on Mediation called Lex Infinitum.
- MOU with Asian School of Cyber Law, Purpose: Jointly conducting the course titled Diploma in Cyber Law.
- MOU with Saraswat Vidyalaya's Sridora Caculo College of Commerce and Management Studies, Khorlim Mapusa Goa in Association with V.M. Salgaocar College of Law.

Purpose:  
 Sharing of resources and Infrastructure

Organisation of joint activities in research, co-curricular and extra-curricular activities.

Activities:

Consumer Protection activities

Legal Aid Activities

Commercial Law

Computer and Information Technology

- MOU with G R Kare College of Law, Margao Goa of 17/10/2019.

Purpose:

To promote collaborative research

To facilitate exchange of Faculty

To collaborate for research and to undertake related activities

- MOU with Prabodhan Education Society's Vidya Prabodhini College of Commerce, Education, Computer and Management, Alto Parvari Goa in Association with V.M. Salgaocar College of Law.

Purpose:

Sharing of resources and Infrastructure

Academic Development of students and Teachers, institute and Society

Organisation of joint activities like seminars and workshops on IPR

Activities:

Consultancy and extension activities

- MOU with Fusion Institute of Legal Studies and Training Noida.

### **Conferences/Workshops Organized (Nos. only)**

National Level: 1 – National Seminar on concept of Development, Marginalised Group and Human Rights by National Human Rights Commission in collaboration with the Goa University held on 7<sup>th</sup> February 2020.

International Level (Only if there is participation of at least 10% of Scholars from abroad):

### **Papers presented in Conferences/Seminars/Workshops:**

Abroad	Within India	Within Goa
07	02	01

### **Invited Lectures given by the faculty**

Abroad	Within India	Within Goa
06	16	17

**Teachers who obtained research degree during the year:**

M. Phil.	Ph.D.
No. only	Name, Subject, University which awarded Degree 1. Dr. Priya Onsker, "Law and the Procedure relating to Child Adoption and Guardianship with special reference to Adoption Agencies in State of Goa- Acritical Study, Goa University. 2. Dr. Sonal Sardessai- "The Protection of Women from Domestic Violence Act and its Ramifications in the State Of Goa: A socio Legal Studies, By Goa University.

**No. of Teachers pursuing Ph. D: 06**

**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
Legal Aid and Justice to Society	KNOWLEDGE STEEZ LEGAL AID AWARD 2019	In the year 2019-2020 VMSC Legal Aid Society received the KNOWLEDGE STEEZ LEGAL AID AWARD 2019, presented by Knowledge Steez, New Delhi for VMSC Legal Aid Society for its commitment in community engagement from January 2019 to November 2020. The award was presented on 19th January, at Malviya Smriti Bhavan, New Delhi, at the 4th National Conference on Human Rights and Gender Justice.

**Sports Achievements of Students: (Note: Specify only number)**

Levels of Competition	Individual Event				Team Event			
	First Place	Second Place	Third Place	Total	First Place	Second Place	Third Place	Total
Inter-collegiate	Taekwondo 1. Kareena Shorodkar (gold),	Powerlifting 1. Mahabeswar Toraskar (silver).	1. Mahabeswar Toraskar (bronze). 2. Judo Akshay Agarwad	04			1. Badminton Women's team won runners-up. Anushka Kuvelkar, Tanvi Naik, Dianne D'Souza, and Joann D'Costa.	03

			ekar (bronze).				2. Weightlifting Men's team won runners-up. Mahableshwar Toraskar (gold), Ashish Parsekar (gold), Susheel Surve (silver) Sanket Mahambrey (bronze) and Shubham Gadekar (bronze). 3. Swimming Women's team won runners-up. Niam Leitao : Breast stroke (silver) and back stroke (bronze).
State	1			1	Nil	-	
Inter-University			1	1	Nil	-	
National	-	-	2	2	Nil	-	
International	-	-	-	nil	Nil	-	
Total	-	-	-	nil	nil	-	

Details of the top 5 Sports Achievements, if any, (included in the table 18) 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 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>
1. Shivani Benaule 2. Amit Birje	Tennikoit Blind Cricket Cricket	(Inter university championship west zone and qualifies for all India inter university cricket championship) (Paras Mal championship trophy 1st edition Rajasthan cricket association for the blind affiliated to cricket association for blind in India.)	1. Gurjat Tennikoit Association On 27 <sup>th</sup> Feb 2020. 2. Rajasthan Blind Cricket Associaton on 20 <sup>th</sup> February 2020.	2nd 2nd 1st

Any other Special Achievements of faculty

Study of Civil Laws, by School of Law University of Lisbon and V.M. Salgaocar College of Law Dr. M. R. K. Prasad (Principal), V.M. Salgaocar College of Law, Dr. Ranjana Ferrao (Director) Civil Law Program and Dr. Elgar Noronha

Faculty from Faculty of Law, University of Lisbon

Dr. Dario Moura Vicente Chairman of Cooperacao Juridica of Faculty of Law, University of Lisbon

Dr. Fausto Quadros

Dr. Sofia Casmiro

Dr. Daniel Morais.

### **5B. 50 National Institute of Hydrography, Vasco-da-Gama**

Year of Establishment: 29 Nov 1978

College Address: National Institute of Hydrography c/o Headquarters,  
Goa Naval Area, Vasco-da-Gama, Goa – 403802

Principal's Details:

Name: Commodore Sajeev K Nair

Contact No: 08322582800/ 8668619602

Email: info-nih.goa@nic.in

College website: [www.indiannavy.nic.in/nih](http://www.indiannavy.nic.in/nih)

**The NAAC accreditation Status (whether accredited, score and Grade, accreditation round):** NA (Government Organisation)

**Courses offered, sanctioned and filled strength:**

<b>Course offered</b>	<b>Sanctioned Strength</b>	<b>Strength (2020-21)</b>
Post Graduate Certificate in Hydrography	30	08
Post Graduate Diploma in Hydrography		01
Master of Science in Hydrography		10

**Faculty strength:** 08 (Officer Instructors)

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

Amendment to the Ordinance governing the degree of Master of Science, Post Graduate Diploma and Post Graduate Certificate in Hydrography (OC-52) was undertaken with Goa University and the part amendment in Ordinance was successfully implemented w.e.f 15 Apr 2021 onwards.

The Long Hydrography and Basic Hydrography courses (which are affiliated to Goa University for award of M.Sc./ PG Diploma/ PG Certificate in Hydrography) have been accorded Certificate of Recognition valid a period of six (06) years upto Mar 2026 by the International Hydrographic Organisation (IHO)/ International Board on Standards of Competence of Hydrographic Surveyors and Nautical Cartographers (IBSC) for Category 'A' (Long Hydrography Course) and Category 'B' (Basic Hydrography Course) programmes.

The National Institute of Hydrography, therefore, continues to be the only Institute in India to conduct courses in the field of Hydrography with International Recognition as per the latest standards of competence, details of same are listed below: -

- (a) Long Hydrography Course – Awarded Certificate of Recognition against the Standards of Competence for Category “A” Hydrographic Surveyors, S-5A, Edition 1.0.2.
- (b) Basic Hydrography Course – Awarded Certificate of Recognition against the Standards of Competence for Category “B” Hydrographic Surveyors, S-5B, Edition 1.01

**Sports Achievements of Students: (Note: Specify only number)**

(Events organized by recognized institutions, associations and federations only)

**Note:** - Being a Defence Institute the staff and trainees participate in sports activities such as cross country, swimming and other sports at various levels conducted by the Indian Navy.

## **5C. RECOGNISED INSTITUTIONS**

### **5C. 51 Xavier Centre of Historical Research, Alto Porvorim**

Name of the Director: Dr. Anthony da Silva, S. J.  
Year of Establishment: 1977  
Email Address: info@xchr.in      xchr.library@gmail.com  
Website: www.xchr.in  
Courses/Degree for which the Institution is recognised: Indo-  
Portuguese Research Library and Ph.D. in History  
Academic Staff  
Dr. Anthony Da Silva (Director)  
Fr. Anderson Fernandes (Administrator)  
Mrs. Arti Fernandes (Librarian)

### **5C.52 ICMR-National Institute of Malaria Research, Field Unit, Campal, Panaji**

Name of the Director: Dr. Amit Sharma  
Year of Establishment: 1977  
Website: <https://nimr.org.in/>  
Faculty/Scientist strength: 29

### **5C.53 Directorate of Archives & Archaeology, Panaji**

Name of the Director: Blossam Medeira  
Year of Establishment: 1995  
Website: <http://www.daa.goa.gov.in>  
E-mail: dir-arch.goa.nic.in

### **5C.54 CSIR-National Institute of Oceanography, Dona Paula**

Name of the Director: Dr. Sunil Kumar Singh  
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



**5C.55 Earth System Science Organisation-National Centre for Polar & Ocean Research, Headland Sada, Vasco-da-Gama**

Year of Establishment: 1998  
Name of the Director: Dr. M. Ravichandran  
Courses/Degree for which the Institution is recognised: Ph. D. degree  
Website: [www.ncaor.gov.in](http://www.ncaor.gov.in).  
Faculty/Scientist strength:11(Regular) 42(Contract)

**5C.56 Thomas Stephens Konknni Kendr, Porvorim**

Year of Establishment: 1982  
Director - Fr. Jose Silveira SJ.  
Courses/ Degrees for which it is recognised - Research and Language teaching courses  
Faculty Strength - 04

Fr. Jose Silveira SJ  
Director, Tskk  
Mob: 7767020080  
Website: [www.tskk.org](http://www.tskk.org)

**5C.57 Fisheries Survey of India, Government of India, Mormugao**

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](mailto:fsimormugaobase@gmail.com)  
Website: [www.fsi.gov.in](http://www.fsi.gov.in)  
Faculty/Scientist strength: 3

**5C.58 ICAR-Central Coastal Agricultural Research Institute, Ela, Goa Velha**

Name of the Director: Dr Narendra Pratapsingh  
Year of Establishment: 1989  
Courses/Degree for which the Institution is recognised: Ph.D.  
Website: [www.icargoa.res.in](http://www.icargoa.res.in)

**PART 6**  
**Ph.D. AWARDEES**

**PART 6: Ph.D. AWARDEES .....****Number of Ph.D. Degrees Awarded.**

Sr. No.	Faculties/Schools	Ph.D. Degree Awarded
1	Faculty of Languages and Literature	08
2	Faculty of Social Sciences	06
3	School of Physical & Applied Sciences	06
4	Faculty of Life Sciences & Environment	10
5	School of Chemical Sciences	06
6	School of Earth, Ocean & Atmospheric Sciences	16
7	Goa Business School	16
8	Faculty of Pharmacy	02
9	Faculty of Law	06

**Faculty Wise List**

<b>FACULTY OF LANGUAGES &amp; LITERATURE</b>					
Sr. No.	Candidate name	Title	Subject	Guide	Date of Viva voce
1	Dr. Ranjeet Kumar Tiwari	21st sadi ki Hindi Kavita: Bhumandalikaran yev Samajik Prathirod ke Swar	Hindi	Prof. Vrushali Mandrekar	10 <sup>th</sup> Sept. 2020
2	Dr. Leonora Pereira	Identitarian Spaces of the Goan Diasporic Communities	English	Prof. Nina Caldeira	28 <sup>th</sup> Aug. 2020
3	Dr. Shahin Sultana	Approaches to Academic writing at the Tertiary Level in Bangladesh	English	Dr. Andre Rafael Fernandes	28 <sup>th</sup> October 2020
4	Dr. Marja-Liisa Wallenius	A Tale of two countries: A Comparative study of partition literature of India and Finland	English	Dr. K. Sripad Bhat	8 <sup>th</sup> Jan. 2021

5	Dr. Frederico Noel John Noronha	From Text to Print: Case Study of Goa Understanding Literacy Production of Fiction and Non-Fiction works in Twentieth Century Goa	English	Dr. Andre Rafael Fernandes	27 <sup>th</sup> January 2021
6	Dr. Akshata Ashok Bhatt	Green Cultural Studies: Theoretical, Perspectives, Textural Perceptions and Practical, Application	English	Prof. Nina Caldeira	30 <sup>th</sup> April 2021
7	Dr. Deniz Vaz	Sashti Kristanvachi Boli: Sudhir-Gawda modinchya Sandharbant Bhashashastriya Abhyas	Konkani	Adv. Uday Bhembre	20 <sup>th</sup> Nov. 2020
8	Dr. Sundaram Sharma	Reetikaleen Bhakti Sahitya Ka Anusheelab	Hindi	Prof. Vrushali Mandrekar	17 <sup>th</sup> Feb. 2021

<b>FACULTY OF SOCIAL SCIENCES</b>					
<b>Sr No.</b>	<b>Candidate name</b>	<b>Title</b>	<b>Subject</b>	<b>Guide</b>	<b>Date of Viva voce</b>
1	Dr. Henrique Antonio D'Souza	Abrahamic Religions: Towards A Trans-Theological Approach	Philosophy	Prof. Sanjyot D. Pai Vernekar	25 <sup>th</sup> June 2020
2	Dr. Aida A. P. Dourado	Study of kudds in Mumbai Home to Goan Male Migrants	Women's Studies	Dr. Shaila Desouza	19 <sup>th</sup> Nov. 2020
3	Dr. Mozinha Fernandes	Christian Gawda Women, Culture and Imaging Goa	Women's Studies	Dr. Shaila Desouza	13 <sup>th</sup> Nov. 2020
4	Dr. Priyanka Vithobha Velip	Shifting Cultivation in Goa Livelihood & Rights of Women of the Velip Tribe	Women's Studies	Dr. Shaila Desouza	25 <sup>th</sup> Nov. 2020

5	Dr. Sara Mahima George	Creation of Small States in India: The Administrative and Development Perspective	Political Science	Prof. Rahul Tripathi	16 <sup>th</sup> Nov. 2020
6	Dr. Dattesh Damodar Parulekar	Muscular Humanitarianism in the post-Cold War Era: Decoding the Discourse and Politics of Coercive Humanitarian Interventions in the 1990s	Latin American Studies	Prof. A. Gangopadhyay	15 <sup>th</sup> Feb. 2021

#### SCHOOL OF PHYSICAL AND APPLIED SCIENCES

Sr. No.	Candidate name	Title	Subject	Guide	Date of Viva voce
1	Dr. Thayapurath Suresh	Characterization of Optical Properties of Mandovi and Zuari Estuarine Waters	Physics	Prof. J. A. E. De Sa (Retd)	3 <sup>rd</sup> September 2020
2	Dr. M. Jeyakanthan	Study of Optical electrical and magnetic properties of CoWO <sub>4</sub> /PbWO <sub>4</sub> nanocomposites	Physics	Prof. Uma Subramanian	12 <sup>th</sup> November 2020
3	Dr. Kapil Yeshwant Salkar	Study of structural, electrical, magnetic and optical properties of Dilute magnetic semiconductor nanoparticles	Physics	Dr. B. Tangsali	21 <sup>st</sup> January 2021
4	Dr. Marlon Darius Swqueira	Estimation of Glucose using Fixed Wavelength Light Sources	Electronics	Dr. G. M. Naik	5 <sup>th</sup> February 2021
5	Dr. Panem Charanarur	Date Fusion using Mimo System	Electronics	Prof. Rajendra S. Gad	15 <sup>th</sup> February 2021
6	Dr. Jervin Zen Lobo	Symmetry Analysis of some Functional Differential Equations	Mathematics	Dr. Y. S. Valaulikar	21 <sup>st</sup> April 2021

<b>FACULTY OF LIFE SCIENCES AND ENVIRONMENT</b>					
<b>Sr. No.</b>	<b>Candidate name</b>	<b>Title</b>	<b>Subject</b>	<b>Guide</b>	<b>Date of Viva voce</b>
1	Dr. Preethi B. Poduval	Characterization of Bacteriophage Specific for Polysaccharide Degrading Bacteria	Biotechnology	Prof. Sanjeev Ghadi	21 <sup>st</sup> July 2020
2	Dr. Divya Chandrakant Vaigankar	Biosynthesis and Characterization of Selenium and Tellurium Nanoparticles by Marine Bacteria	Microbiology	Prof. Santosh Kumar Dubey	12 <sup>th</sup> January 2021
3	Dr. Gandhali M. Dhume	Fungal diversity and characterization of cold adapted cellulose/Protease produced by the most potential isolate from the Himalayan glacier region	Microbiology	Dr. Shiv Mohan Singh	12 <sup>th</sup> January, 2021
4	Dr. Genevieve Lazarina Fenandes	Functional diversity of microorganisms in the oxygen minimum zones (OMZ) of the North Indian Ocean	Microbiology	Dr. Belle Famodara Shenoy	18 <sup>th</sup> February, 2021
5	Dr. Ashwini P. Pawar	Pesticide induced genotoxicity and Oxidative stress related studies in Whitelag shrimp <i>Litopenaeus vannamei</i> (Boone, 1931)	Zoology	Prof. S. K. Shyama	18 <sup>th</sup> March, 2021
6	Dr. Joleen Savianne Almeida	A study on Isolation, Characterisation and Efficacy of naturally Occuring	Zoology	Dr. Ashwani Kumar	9 <sup>th</sup> April, 2021
7	Dr. Wendy Francisca Xavier Martins	Studies on Arbuscular Mycorrhizal (AM) Fungi associated with different varieties of rice ( <i>Oryza sativa</i> ) grown in Khazan lands of Goa	Botany	Prof. B. F. Rodrigues	2 <sup>nd</sup> November, 2020

8	Dr. Maria Cineola Fernandes	Anatomical Biochemical and Phylogenetic studies of <i>Strobilanthes Blume</i> species from northern western Ghats of India	Botany	Dr. S. Krishnan	19 <sup>th</sup> March, 2021
9	Dr. Abhipsa Mohapatra	Inter and intraspecific diversity studies using Cystoliths and Molecular tools in the genus <i>Ficus</i> L. (moraceae) in Goa and adjoining regions	Botany	Prof. M. K. Janarthanam	30 <sup>th</sup> March, 2021
10	Dr. Rutuja R. Kolte	Taxonomic and Distributional studies on herbaceous endemics of Laterite rocky outcrops of Goa and South Konkan	Botany	Prof. M. K. Janarthanam	22 <sup>nd</sup> April, 2021

<b>SCHOOL OF CHEMICAL SCIENCES</b>					
<b>Sr. No.</b>	<b>Candidate name</b>	<b>Title</b>	<b>Subject</b>	<b>Guide</b>	<b>Date of Viva voce</b>
1	Dr. John Ross V. Albuquerque	Charge models to reproduce topography of Molecular Electrostatic Potential	Chemistry	Dr. R. N. Shirsat	14 <sup>th</sup> October 2020
2	Dr. Apurva Narvekar	Electrochemical and Adsorption studies of glycerol based carbons and its composites with FE-MnOX and OMS-2.	Chemistry	Prof. J. B. Fernandes	16 <sup>th</sup> December 2020
3	Dr. Vishal Madhukar Pawar	Polymeric Track Detectors or Neuron and Other Dosimetric Applications	Chemistry	Prof. V. S. Nadkarni	27 <sup>th</sup> January 2021
4	Dr. Prajyoti P. Gauns Dessai	Synthesis, Characterization and Study of Solid-State Properties of Mn/Al doped Nickel Zinc Ferrite and Their Applications	Chemistry	Prof. V. M. S. Vernekar	26 <sup>th</sup> February 2021

5	Dr. Madhavi D. Shete	Synthesis, Catalytic and Electrochemical Applications of Fe <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> and Graphene Nanocomposites	Chemistry	Dr. J. B. Fernandes	24 <sup>th</sup> February 2021
6	Dr. Rahul D. Kerkar	Catalytic Redox Reactions of Nitric Oxide and Carbon Monoxide over Mixed Metal Oxide Nanoparticles	Chemistry	Prof. A. V. Salkar	19 <sup>th</sup> March 2021

<b>SCHOOL OF EARTH, OCEAN AND ATMOSPHERIC SCIENCES</b>					
<b>Sr. No.</b>	<b>Candidate name</b>	<b>Title</b>	<b>Subject</b>	<b>Guide</b>	<b>Date of Viva voce</b>
1	Dr. Nita Trimbak Rane	Studies on Geochemistry of Sediment cores with reference to past mining in Goa, West-Coast of India	Marine Science	Prof. Vishnu Murty Matta	22 <sup>nd</sup> July 2020
2	Dr. Kalyan De	Ecological studies of Coral Reef Ecosystem at Malvan, West Coast of India	Marine Science	Dr. Baban Ingole	10 <sup>th</sup> August 2020
3	Dr. Linsy P.	Burial and Regeneration of Phosphorus in the Northern and the Central Indian Ocean: Linkage to Iron Geochemistry	Marine Science	Dr. B. Nagender Nath	16 <sup>th</sup> September 2020
4	Dr. Ankeeta Ashok Amonkar	Volcanogenic and hydrothermal evidence from the central Indian Ocean Basin since 60 Ma	Marine Science	Dr. Sridhar D. Iyer	18 <sup>th</sup> September 2020
5	Dr. Darwin Devidas Ramteke	Chemical speciation of metals in estuarine sediments and their accumulation in estuarine benthic organism	Marine Science	Dr. P. Chakraborty	6 <sup>th</sup> October 2020



6	Dr. J. Vijaylaxmi	Studies on the inter-tidal rocky shore crabs (Decapoda: Crustacea: Brachyura) from Goa, West Coast of India”	Marine Science	Prof. C. U. Rivonker	4 <sup>th</sup> December 2020
7	Dr. Kausar Fatima M. Bepari	Cycling of dimethylsulphide and associated Compounds in the Coastal and estuarine waters of Goa.” Ma	Marine Science	Dr. Damodar Shenoy	18 <sup>th</sup> Decmber 2020
8	Dr. Pabitra Singha	Seismicity and Velocity Structure of the Andaman Sea using Passive Seismic Experiment	Marine Science	Dr. Pawan Dewangan	5 <sup>th</sup> November 2020
9	Dr. Cynthia Vishnu Gaonkar	Trace metals in estuaries and atmospheric particulates, Goa-West Coast of India	Marine Science	Prof. Vishnu Murthy Matta	18 <sup>th</sup> January 2021
10	Dr. Chinnu Sachidanandan	Long term trends of currents and Hydrography along the equatorial Indian Ocean	Marine Science	Dr. P. M. Muraleedharan	10 <sup>th</sup> March 2021
11	Dr. Raghav Rajaram Gadgil	Structure, Petrology, and Geochemistry of the Coastal Dyke Swarm in Goa: Tectono-magmatic Evolution of the Western Indian Continental Margin	Earth Science	Dr. A. A. A. Viegas	25 <sup>th</sup> February 2021
12	Dr. Laxman Abhiman Gardade	Studies on Identification of Organic matter sources through lipid biomarkers	Marine Science	Dr. Lidita D. S. Khandeparkar	31 <sup>st</sup> March 2021
13	Dr. Purshottam Anil Verlekar	Sedimentological Study of Lokapur sequence of kaladgi Basin, Karnataka, India	Earth Science	Dr. K. Mahender	22 <sup>nd</sup> February 2021
14	Dr. Naseera K.	Repairing of microalage on industrial effluents for evaluating their biofuel Potential	Marine Science	Dr. N. Ramaiah	25 <sup>th</sup> March 2021

15	Dr. Samiksha S. Prabhudessai	Spatio-temporal variation of dinoflagellates along estuarine regions of Goa, West Coast Goa, India	Marine Science	Prof. C. U. Rivonker	9 <sup>th</sup> April 2021
16	Dr. Ranjith E.	Studies on the dynamics of marine bacterial ectoenzymes in selected ecosystem	Marine Science	Dr. Lidita D. S. Khandeparkar	16 <sup>th</sup> April 2021

<b>GOA BUSINESS SCHOOL</b>					
<b>Sr. No.</b>	<b>Candidate name</b>	<b>Title</b>	<b>Subject</b>	<b>Guide</b>	<b>Date of Viva voce</b>
1	Dr. Naik Amrut Fati	Performance of Urban Credit Co-operatives in Goa: An Empirical Study	Commerce	Dr. M. R. Patil	26 <sup>th</sup> June 2020
2	Dr. Ashish Manohar Joshi	Analysis of service quality gaps and customer satisfaction on customer loyalty and financial performance of public, private and multi state co-operative banks in India	Commerce	Dr. K. G. Sankaranarayanan	30 <sup>th</sup> June 2020
3	Dr. Lingadkar Paresh Raghuvir	Psychological contract and its effect on employee outcomes in it companies in India	Commerce	Dr. K. G. Sankaranarayanan	24 <sup>th</sup> July 2020
4	Dr. Kaustubh Kamat	Influence of Information Sources on Consumer Behavior of Travelers: Empirical Study on Travelers Visiting Goa.	Commerce	Prof. K. B. Subhash	27 <sup>th</sup> July 2020
5	Dr. Ujvala M. Hanjunker	Transformational Leadership Behaviour in Select IT Companies in India	Commerce	Dr. K. G. Sankaranarayanan	7 <sup>th</sup> September 2020

6	Dr. Anjali R. Virkar	Tourist Satisfaction with road transport Services at the Destination	Management	Dr. Prita D. Mallya	24 <sup>th</sup> September 2020
7	Dr. Vaz Ana Maria Josepina	Professionalism, Its Determinants and the Mediation Role of Job Satisfaction: Application of Social Cognitive Theory in Nursing	Management	Dr. R. Nirmala	2 <sup>nd</sup> November 2020
8	Dr. Deepti Jog	Impact of Place Attachment and Destination Emotion on Stakeholder Responsible Behaviour and Moderating Role of Stakeholders Type	Management	Prof. Nandakumar Mekoth	13 <sup>th</sup> November 2020
9	Dr. Albino Simple Tom	Relationship Among Personality Traits, Gambling Motivation and Gambling Severity	Management	Prof. Nandakumar Mekoth	1 <sup>st</sup> December 2020
10	Dr. Joe Kurian	Differences in student Engagement and Coping Among Ability Groups	Management	Prof. Nandakumar Mekoth	15 <sup>th</sup> January 2021
11	Dr. Pravin Mahabaleshwar Bhende	Quality of Work Life of Employees in Banking Sector	Commerce	Prof. Y. V. Reddy	18 <sup>th</sup> January 2021
12	Dr. Reshma D. Prabhu Verlekar	A Study of Credit Risk Management Practices of Public and Private Banks in India	Commerce	Dr. Manoj S. Kamat	5 <sup>th</sup> March 2021
13	Dr. Semel Jatin Sardesai	Impact of Event Quality on quality of life (QOL) of Residents and the Mediating role of event experience	Management	Prof. Purva Hegde Desai	31 <sup>st</sup> March 2021
14	Dr. Helic Mario Barretto	Analysis of the Socio-Economic Contribution of Beach Shacks in Goa - An empirical Study with reference to stakeholders	Commerce	Dr. R. Anthony Sathish Benadict	25 <sup>th</sup> February 2021

15	Dr. Dhabolkar Pinkesh Dharm	Performance of Evaluation of Index Funds in India	Commerce	Prof. Y. V. Reddy	19 <sup>th</sup> March 2021
16	Dr. Kedar Mukund Phadke	An Empirical Investigation of the IPO underpricing Phenomena in India	Commerce	Prof. Manoj S. kamat	11 <sup>th</sup> February 2021

#### FACULTY OF PHARMACY

Sr. No.	Candidate name	Title	Subject	Guide	Date of Viva voce
1	Dr. Rajesh Suresh Parab	Study of Polymers and Advances in Coating Chemistry	Goa College of Pharmacy	Dr. Gopal Krishna Rao	16 <sup>th</sup> October 2020
2	Dr. Rajashree R. Jirage	Green Synthesis, Characterisation and Biological Evaluation of some Anti cancerous Nano particles from Herbs	Goa College of Pharmacy	Dr. Arun B. Joshi	5 <sup>th</sup> November 2020

#### FACULTY OF LAW

Sr. No.	Candidate name	Title	Subject	Guide	Date of Viva voce
1	Dr. Sonam Sachin Sardessai	Prison system in the State of Goa- A Socio-Legal & Empirical Study of Safety, Security and Discipline in the Prison in Goa	Law	Dr. G. Shaber Ali	31 <sup>st</sup> August 2020
2	Dr. Maria Goretti Simoes Morais	Critical Analysis of the Laws Relating to Protection of Women from Sexual Offences: An Empirical Study in the State of Goa	Law	Dr. G. Shaber Ali	16 <sup>th</sup> October 2020

3	Dr. Shruti Mayur Nadkarni	Implementation of the Goa Children's Act 2003 with Special Reference to Protection of the Girl child in the State of Goa: A critical Study.	Law	Dr. G. Shaber Ali	4 <sup>th</sup> September 2020
4	Dr. Srinet Narendra Kothwale	Law and Policies in relation to Hazardous Waste Management in India: A Critical Study.	Law	Prof. M. R. K. Prasad	18 <sup>th</sup> November 2020
5	Dr. Vijay Madhu Gawas	Constitutional Safeguards and Welfare measures relating to scheduled Tribes: A critical study with reference to the State of Goa	Law	Dr. K. Srinivasa Rao	17 <sup>th</sup> December 2020
6	Dr. Sonam Sachin Sardessai	Prison System in the State of Goa - A socio-legal & Empirical Study of Safety, Security and Discipline in the Prison in Goa	Law	Dr. G. Shaber Ali	31 <sup>st</sup> August 2020