

# **GOA UNIVERSITY**

# POST-GRADUATE STUDIES AND RESEARCH PROGRAMMES

PROSPECTUS 2024-2025

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D.	School of Earth, Ocean and Atmospheric Sciences
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ii.	Marine Sciences
iii	Marine Microbiology
iv	Environmental Science
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i.	Commerce
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#### PREFACE

**Goa University** was established under the Goa University Act of 1984 (Act No. 7 of 1984) and commenced operations on 1<sup>st</sup> June, 1985. The University provides higher education in the Indian state of Goa. It is located on Taleigao Plateau overlooking Zuari estuary on a picturesque campus spread over 402 acres with state-of-the-art infrastructure such as faculty blocks, administrative building, library, sports facilities, student hostels, bank, post-office, staff quarters, etc. Campus-Wide Internet connectivity with strong bandwidth is available for all 24 hours a day.

The University took over the enhanced role of Centre of Post-Graduate Instruction and Research (CPIR) which was set after the liberation of Goa by India in December 1961, by the University of Bombay (now Mumbai), in June 1962. Since 1985 Goa University offers graduate and post-graduate studies and research Programmes.

Goa University is currently accredited by the National Assessment and Accreditation Council (NAAC) with B++ Grade in the 4<sup>th</sup> Cycle valid upto 26<sup>th</sup> December, 2027. The <u>National Institutional Ranking Framework</u> (<u>NIRF</u>) (an organ of Ministry of Human Resources and Development, Govt. of India) has currently ranked the University at Rank-band 101-150 and consistently participated in the 7<sup>th</sup> edition of NIRF ranking. <u>QS</u> <u>University rankings - a World University rankings agency</u> - has been ranked Goa University at 551-600 rank band in QS Asia Ranking 2023. While in Southern Asia, Goa University is ranked at 145 by QS Asia ranking. Goa University have been rated as "Very High" in 2023 in the Research output while it is listed among Top 73 % Universities in the QS Asia University rankings. The University is ranked 211 in Faculty to Student Ratio in 2023 in Asia. <u>'India Today'</u> ranked Goa University at 25<sup>th</sup> level among the General (Government) Universities in India while the <u>'The Week'</u> magazine ranked at 40<sup>th</sup> rank . Goa University is ranked at 35<sup>th</sup> by <u>'OUTLOLOOK ICARE Best University Ranking 2023</u>' among the Government Universities.

Over the past 37 years, the University has steadily expanded its reach, both in terms of the number of affiliated colleges - professional and general education numbering to 65, as well as the diversity of courses offered. These colleges offer various courses leading to a Degree at graduate, post-graduate level. Some of them are also recognized as research centres to offer Ph.D. Programmes. Over 30000 youth from all talukas of Goa are studying in affiliated colleges and over 2000 are enrolled for post-graduate Programmes at the University campus. The percentage of women (over 60%) outnumber men (about 40%).

The University, on its campus, has <u>ten Schools</u> which were formed by amalgamation of traditional Departments to allow the organic evolution of new courses in 2019-20. These Schools offers various Programmes leading to Undergraduate Degree (5), Master's Degree (41) and Ph.D. Degree (35) in various disciplines. The University has made a significant impact at the national level in various areas of specialization and draws students in select disciplines from across the country. Geographically, Goa is located in an ecologically sensitive region along the Western Ghats and the Arabian Sea. Goa University has appropriately

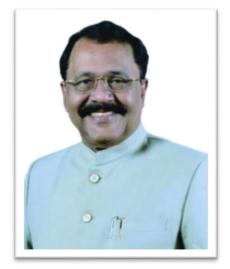
emerged as an important resource centre for research in the field of flora and fauna endemic to this region, as well as the marine environment. The Ministry of Earth Sciences has recognized Goa University's significant contribution in this domain, as a consequence of which a Centre of Excellence was established in Marine Microbiology. The Schools at the University have developed excellent research facilities and the large funding for research is received from Central Government agencies such as University Grants Commission, Department of Science & Technology, Ministry of Earth Sciences, Ministry of Environmental Sciences and Climate Change, Department of Biotechnology, etc. For a relatively small university, Goa University attracts generous funding of research projects from national funding agencies which reflects upon the high quality of research undertaken by the faculty at the University.

The strength of the Goa University lies in the number of research publications and signigifcant incearse in hindex /i10 index. Goa University has so far published over 6000 research publications (including PhD theses) and the full-text of these are available at the unique <u>Publications Repository</u>. There are very few state universities in India who have made such an effort in consolidating the information by creating institutional repository. There is a multi-fold increase in the visibility of the university with its publications on the repository. Current h-index as per the Web of Knowledge database from just 1998 journal publications out of 6000 is 76.

In addition to the conventional graduate and postgraduate Programmes, Goa University has also taken initiatives to provide innovative Programmes. Some noteworthy initiatives are the National Resource Centre in Marine Science under the Ministry of Human Resource Development (MHRD) for the professional development of higher education using the MOOCs platform SWAYAM, the State Resource Centre for Women funded by Ministry of Women and Child Development, Govt. of India as well as Dept. of Women and Child, Govt. of Goa, the Study India Programme with Nihon University of Japan, etc. Goa University launched the Visiting Research Professors Programme (VRPP) from the year 2013-14 to bring luminaries in the field of liberal arts & literature, social and natural sciences, and other fields. The visiting professors interact with students, deliver lectures, offer courses, and work on collaborative research projects, or stimulate the creation of art installations and music performances with faculty and students. These visiting professors are found to generate a creative environment in learning and contemporary knowledge production practices with their intellectual and aesthetic endeavours. The Programme is being supported by Directorate of Art and Culture, & Directorate of Higher Education, Government of Goa and open to the general public too. In addition, few of the chairs are funded by Private parties. University has switched over from earlier CBCS to NEP-2020 structure for PG from AY 2022-23 and for UG from AY 2023-24.

# **GOA UNIVERSITY**

# CHANCELLOR



Shri P. S. Sreedharan Pillai Hon'ble Governor of Goa

# **VICE-CHANCELLOR**



# Sr. Prof. Harilal B. Menon

### **DEANS OF SCHOOLS**

School of Biological Sciences and Biotechnology



Sr. Prof. B. F Rodrigues

D.D. Kosambi School of Social Sciences & Behavioural Studies



Prof. Ganesha Somayaji

#### **Goa Business School**



Prof. Jyoti Pawar

Manohar Parrikar School of Law,



Sr. Prof. Rajendra S. Gad

School of Sanskrit, Philosophy & Indic Studies



Prof. Koshy Tharakan

School of Chemical Sciences



Prof. Vidhyadatta M. Shet Verenkar

#### School of Earth, Ocean and Atmospheric Sciences



Sr. Prof. Sanjeev C. Ghadi

#### School of International & Area Studies



Prof. Ganesha Somayaji

School of Physical and Applied Sciences



Prof. Ramesh V. Pai

Shenoi Goembab School of Languages & Literature



Prof. Anuradha Wagle

### **DEANS OF FACULTY**

#### Faculty of Engineering



Dr. M.S. Krupashankara





Prof. Jai Prakash Tiwari

#### Faculty of Planning, Architecture & Design



Sr. Prof. Harilal B. Menon

#### Faculty of Performing, Fine Art & Music



Sr. Prof. Harilal B. Menon

#### Faculty of Pharmacy



Professor Sanjay Pai P.N.

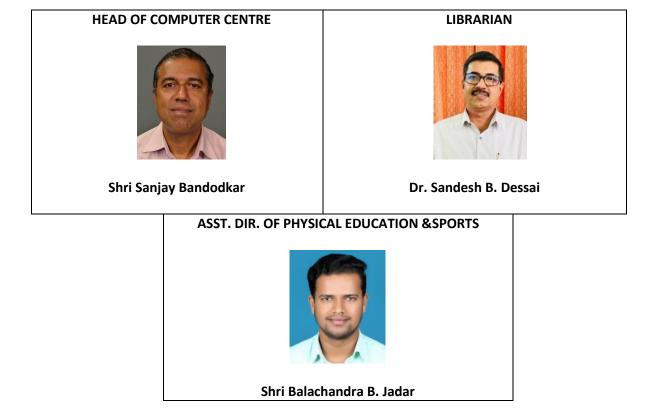
### Faculty of Agriculture, Veterinary, Fisheries a nd Allied Sciences



Dr. Suresh Ramnath Kunkalikar

# **ADMINISTRATION**

REGISTRAR Free Str. Prof. V. S. Nadkarni	FINANCE OFFICER
CONTROLLER OF EXAMINATIONS	DEPUTY REGISTRAR-FINANCE
DEPUTY REGISTRAR (DIRECTORATES)	UNIVERSITY ENGINEER (Addl. Charge)
DEPUTY REGISTRAR (ACADEMIC DIVISION)	DEPUTY REGISTRAR (GENERAL ADMINISTRATION)



ASSISTANT REGISTRARS								
PURCHASE & STORE AND LEGAL CELL	EXAMINATION-POST GRADUATE							
Smt. Sandhya S. S. Neurekar	Shri Amey V. Verenkar							
ACADEMIC-COLLEGES	REGISTRAR'S OFFICE							
Ms. Qubilah Dsouza	Smt. Teja S. Shirodkar							
FINANCE-I	EXAMINATION-UNDER GRADUATE							
Shri Milind Shivolkar	Smt. Anne J. Gonsalves e Carneiro							
FINANCE-II	ADMINISTRATION - NON-TEACHING							
Smt. Maria Fatima Noronha	Smt. Sunanda U. Sawant							

EXAMINATION – PROFESSIONAL	ACADEMIC – GENERAL		
Shri Kunal Naik			
	Smt. Rekha Verekar		
DIRECTORATES & (ADDITIONAL CHARGE- PUBLIC RELATIONS)	ACADEMIC-ADMISSION		
Shri Shashikant Morajkar	Shri Sanket Gaude		
VC's SEC	RETARIAT		
Smt. Sheil	a L. Pinheiro		
Sint. Shen			

### **UNIVERSITY DIRECTORATES**

Sr. No	Directorates	Functions	Dire	ector
1	Directorate of Digital Learning and Initiatives (DDLI)	DEITI, MOOC, SWAYAM, Digital Archives	Prof. Kaustubh R.S. Priolkar	
2	Directorate of Extra Mural Studies and Extension Services (DEMS&ES)	To design and implement non formal educational Programmes	Prof. Anuradha Wagle	
3	Directorate for Equal Opportunities (D-EO)	To implement Schemes for Minority students	Dr. Maria Norma Menezes e Rebello	
4	Directorate of Internships, Incubation, and Industry Partnership (DI3P)	Internships, Incubation and Industry Partnership	Prof. Sandeep Garg	
5	Directorate of International Cooperation and Exchange (DICE) & Directorate of Foreign Students (DFS)	Foreign Students, MoUs (Domestic and Foreign), SIP, etc.& Foreign Students activities	Dr. Harip Khanapuri	
6	Directorate of Internal Quality Assurance (DIQA)	Coodinating IQAC activities, NIRF, NAAC, Quality initiatives on Academic & Research matter.	Prof. Sunder N. Dhuri	
7	Directorate of Research & Development and Resource Mobilisation (D-RDRM)	Coordinating Research & Development Programmes	Sr. Prof. Sanjeev C. Ghadi	
8	Directorate of Rashtriya Uchattar Shiksha Abhiyaan (D-RUSA)	RUSA activities	Prof. Vidhyadatta M. Shet Verenkar	

9	Directorate of Student Placement and Alumni Relations (D-SPAR)	Placement Activity and Alumni matters	Dr. Rupesh E. Patre	
10	Directorate of Students Welfare & Cultural Affairs (DSW)	Students activities	Dr. Anthony A. A. Viegas	
11	Directorate of Unnat Bharat Abhiyaan (DUBA)	Unnat Bharat Abhiyan activities	Prof. Jyoti D. Pawar	
12	Directorate of Visiting Research Professors Programme (DVRPP)	VRPP selection and implementation	Sr. Prof. Savita S. Kerkar	

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	LIST OF VISITING RESEARCH PROFESSOR P	
SR. NO.	NAME OF CHAIR	NAME OF VISITING FACULTY
1	D.D. Kosambi Chair in Interdisciplinary Studies	Prof. Ramkrishna Ramasawamy
		Prof. Jonardon Ganeri
		Prof. Dhruv Raina
2	Dayanand Bandodkar Chair in Political Economy	Prof. Manuel Gonzalo
3	Kavivarya Bakibaab Borkar Chair in	Prof. Vrinda Nabar
	Comparative Literature	Prof. Anvita Abbi
		Prof. Ganesh Devi
		Shri Damodar Mauzo
		Sachidanandan K.
4	Mario Miranda Chair in Art and Fine Art	Shri Arjit Sen Gupta
		Prof. Subodh Kerkar
5	Anthony Gonsalves Chair in Western Music	Ms. Sonia Shirsat
6	Nana Shirgaokar Chair in Indian Music	Dr. Anish Pradhan
		Ms. Parwati Dutta
		Ms. Leela Samson
7	Sant Sohirobanath Ambiye Chair	Shri Achyut S. Godbole
		Dr. Anil Avchat
		Dr. Aruna Ramchandra Dhere
		Prof. Mahesh Elkunchwar
		Dr. Anand Nadkarni
		Shri Neeraja Patil
		Ms. Pragya Daya Pawar
8	Joaquim Heliodoro da Cunha Rivara Chair in	Prof. Hugo Canelas Cardoso
	Indo-Portuguese Studies (Funded by Camoes)	Prof. Susana Sardo
		Prof. Amelia Polonia
		Prof. Walter Rossa
9	Dalai Lama Chair in Nalanda Studies (funded	As recommended by the HH Dalai Lam
5	by Dalai Lama)	Trust
10	V.M. Salgaoncar Chair in Wildlife Studies	Dr. Anish Andheria
	(Funded by V.M. Salgaocar Trust)	

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### **EDITORIAL COMMITTEE**



#### Prof. Vishnu Murty Matta



Prof. Jivan S. Parab



Dr. Anjali Chaubey



Dr. Mozinha Fernandes



Prof. Sunder N. Dhuri



Dr. Pournima S. Shenvi Dhume



Dr. Priya M. D'Costa



Shri Ashwin V. Lawande

#### **ACADEMIC CALENDAR**

<u>Click here</u> to refer University website for more details.

#### FEE STRUCTURE

<u>Click here</u> to refer University website for more details.

www.unigoa.ac.in/uploads/confg\_docs/20240531.054831~Notific\_Tuit\_fee\_2024-25.pdf

#### ELIGIBILITY CRITERIA FOR ADMISSION TO POST GRADUATE/ Ph. D PROGRAMMES

#### POST GRADUATE PROGRAMMES

- 1. The candidate must pass the Bachelor's examination in the relevant subject as per the conditions laid down in the Ordinance OA-20.
- 2. Admission is based on the merit list prepared on the basis of rank obtained in the Goa University Admissions Ranking Test (GU-ART) in relevant subject OR on the basis of relevant admission criteria.

#### Ph.D PROGRAMMES

- 1. The candidate must pass the Master's examination in the relevant subject.
- 2. Admissions for Ph. D Programmes are held twice in a year.
- Interviews will be conducted to allot seats to the JRF/M.Phil/NET/SET/GATE/GPAT etc. candidates and thereafter for those who qualify the Goa University – Ph.D Entrance Test (GU-PET) to allot the residual seats.
- 4. Candidates who have qualified JRF/M.Phil/NET/SET/GATE/GPAT will be exempted only from the GU-PET.

Further details regarding the eligibility criteria (including interdisciplinary subjects) is available on the <u>University website</u>.

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SR.NO.	TYPES OF CERTIFICATES	SECTIONS/SCHOOLS
1.	Eligibility Certificate	Academic-Colleges
2.	Migration Certificate	8669609019, <u>arcolg@unigoa.ac.in</u>
3.	Transference Certificate	Respective School Office
4.	Duplicate Marksheet	
5.	Provisional Degree Certificate	<ul> <li>Examination-PG/ Examination-UG</li> <li>8669609033/35, <u>arexampg@unigoa.ac.in /</u> <u>arexamug@unigoa.ac.in</u></li> </ul>
6.	Convocation Degree Certificate	Examination-UG Section 8669609009, <u>convo.query@unigoa.ac.in</u>
7.	No Dues Certificate	Library 8669609012, <u>librarian@unigoa.ac.in</u>
8.	Bonafide Certificate	Respective School Office
9.	<u>Revaluation</u>	
	a. Under Graduate Programmes	Examination-UG 8669609035, <u>arexamug@unigoa.ac.in</u>
	b. Post Graduate Programmes	Examination-PG 8669609033, <u>arexampg@unigoa.ac.in</u>
	c. Professional Programmes	Examination-Professional 8669609034, <u>arexamprof@unigoa.ac.in</u>

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### **Sanctioned Seats**

S. No.	Programmes i Goembab School of Languages and L	Total Seats available iterature	SC	ST	OBC	PwD	Other Indian Universit ies	Wards of Ex- Service men	Unres erved	Economi cally Weaker Section (EWS)
a.		63	1	8	17	3	2	1	25	6
	M.A. English	19	1	° 2	5	1	2	-	6	2
b.	M.A. French	-			-			-	_	
с.	B.A. French	19	1	3	5	1	-	-	7	2
d.	M.A. Hindi	50	1	6	14	2	2	1	19	5
e.	M.A. Konkani	63	1	8	17	3	2	1	25	6
f.	M.A. Marathi	38	1	5	10	2	2	1	13	4
g.	M.A. Portuguese	19	1	2	5	1	2	-	6	2
h.	B.A. Portuguese	19	1	3	5	1	-	-	7	2
D.D Ko	osambi School of Social Sciences & Be	havioral Stu	dies						•	
a.	M.A. History	69	1	8	19	3	2	1	28	7
b.	M.A. Political Science	38	1	5	10	2	2	-	14	4
с.	M.A. Sociology	25	1	3	7	1	2	-	8	3
d.	M.A. Women's Studies	19	1	2	5	1	2	-	6	2
e.	Master of Social Work	30	1	4	8	1	2	-	11	3
Schoo	l of Biological Sciences and Biotechno	logy		1						
a.	M.Sc. Botany	38	1	5	10	2	2	-	14	4
b.	M.Sc. Marine Biotechnology	30	As pe	r Cent	ral Gov	t. NCCEB	Examination	1		
с.	M.Sc. Biotechnology	25	1	3	7	1	2	-	8	3
d.	M.Sc. Microbiology	25	1	3	7	1	2	-	8	3
e.	M.Sc. Zoology	38	1	5	10	2	2	1	13	4
f.	Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques (PGDCG&MLT)	25	1	3	7	1	2	-	8	3
Schoo	l of Physical & Applied Sciences								1	
a.	M.Sc. Electronics	19	1	2	5	1	2	-	6	2
b.	M.Sc. Mathematics	38	1	5	10	2	2	-	14	4
с.	M.Sc. Physics	50	1	6	14	2	2	1	19	5
d.	B.Voc in Electronics, Instrumentation and Computer Networking	15	1	2	4	1	-	-	5	2
Schoo	l of Sanskrit, Philosophy & Indic Studi	es							_	
a.	M.A. Philosophy	19	1	2	5	1	2	-	6	2
b.	M.A. Sanskrit Studies	15	-	2	4	1	1	-	6	1
Mano	har Parrikar School of Law, Governand	e & Public	Policy						_	
a.	M.A in Public Administration	25	1	3	7	1	2	-	8	3
b.	Master of Laws	25	1	3	7	1	2	-	8	3
Schoo	l of International & Area Studies									
a.	M.A. International Studies	19	1	2	5	1	2	-	6	2
Schoo	l of Chemical Sciences									
a.	M.Sc. Chemistry	100	2	12	27	5	2	1	41	10
i	Organic Chemistry	25	1	3	6	2	-	-	11	2
ii	Inorganic Chemistry	25	-	3	7	1	1	-	10	3
iii	Physical Chemistry	25	1	3	7	1	-	1	10	2
iv	Analytical Chemistry	25	-	3	7	1	1	-	10	3
b.	M.Sc. Biochemistry	25	1	3	7	1	2	-	8	3
Goa Business School										
a.	M.A. Economics	55	1	7	15	2	2	1	21	6
b.	M.Com	75	2	9	20	3	2	1	31	7
с.	M.B.A. (Financial Services)	75	2	9	20	3	2	1	31	7
с. d.		75	2	9	20	3	2	1	31	7
	M.B.A.				-			-		
e.	M.B.A. (Executive)	38	1	5	10	3	2	-	13	4

f.	M.B.A (Integrated) (HTT)	38	1	5	10	2	3	-	13	4
g.	Master of Computer Applications	60	1	7	16	3	2	1	24	6
h.	M.Sc. Artificial Intelligence	20	1	2	5	1	2	-	7	2
i.	M.Sc. Data Science	20	1	2	5	1	2	-	7	2
j.	M.Sc. Data Science (Integrated)	30	1	4	8	1	2	-	11	3
k.	M.Sc. Economics (Integrated)	20	1	2	5	1	-	-	9	2
١.	M.B.A. (Integrated)	20	1	2	5	1	-	-	9	2
m.	Master of Library and Information Science (M.L.I.Sc )	31	1	4	8	1	2	-	12	3
Schoo	ol of Earth, Ocean & Atmospheric Scier	nces								
a.	M.Sc. Applied Geology	31	1	4	8	1	2	-	12	3
b.	M.Sc. Marine Science	31	1	4	8	1	2	-	12	3
c.	M.Sc. Marine Microbiology	25	1	3	7	1	2	-	8	3
d.	M.Sc. Environmental Science	16	1	2	4	-	1	-	6	2
e.	M.A. Environmental Science	15	-	2	4	1	1	-	6	1

The University may decide to change the number of seats depending on demand and available infrastructure.

#### **RESERVATION UNDER VARIOUS CATEGORIES**

Reservation of seats for admission to the various Programmes of study shall be on the basis of the Reservation Policy of the Goa State Government. Candidates applying for admission under the Reserved Categories shall be required to submit a valid Certificate to that effect issued by the Officer of the rank of the Deputy Collector or any other authorized Officer as notified by the Government of Goa.

- 2% of seats in each of the Post Graduate Programmes of study, subject to a minimum of one seat, shall be reserved for candidates belonging to SC Category of Goa State.
- 2. 12% of seats in each of the Post Graduate Programmes of study, subject to a minimum of one seat, shall be reserved for candidates belonging to ST Category of Goa State.
- 27% of total seats, subject to a minimum of two seats, for admission to various Programmes of study, shall be reserved for candidates belonging to the Other Backward Classes Non-Creamy Layer (OBC-NCL) of the State of Goa as per the directives of the State Government.
- **4.** 5% of total seats, subject to minimum one seat for admission to the various Programmes of study shall be reserved for Person with Disability (PwD) candidates as per State Government directives.
- 10% of seats, subject to a maximum of two seats and a minimum of one seat in each Programme of study, shall be made available for candidates of other Indian Universities.
- 10% of total seats shall be reserved for Economically Weaker Section of Un-Reserved Category (EWS) as per the directives of the State Government.
- 7. 1% of total seats shall be reserved for Children of Ex-servicemen.

8. 15% of seats, over and above the allotted number of seats, shall be reserved as supernumerary seats for the overseas candidates, who are eligible for admission and are recommended by the Govt. of India under Scholarship from Govt. of India or under exchange Programme (ICCR Programme). These seats shall be filled in accordance with the UGC Guidelines. Out of the 15% supernumerary seats, one seat in each program will be reserved for Kashmiri Migrants (KM) as per directives of the UGC.

#### Notes:

- i. Percentage of seats mentioned above is subject to change depending upon directives of the State Government.
- ii. For National Admission Programmes the reservation percentage is as per Central Government Rules.

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a) If a student chooses to withdraw from the Programme of study in which s/he is enrolled,

Sr. No.	Point of time when notice of withdrawal of admission is served to the College/University	% of refund of Aggregate fees*
1.	15 days or more before the formally notified last date of admission.	100%
2.	Less than 15 days before the formally notified last date of admission.	90%
3.	15 days or less after the formally notified last date of admission.	80%
4.	More than 15 days but less than 30 days after formally notified last date of admission.	50%
5.	More than 30 days after formally notified last date of admission.	0%

the following five-tier system shall be followed for the refund of fees remitted by her/him.

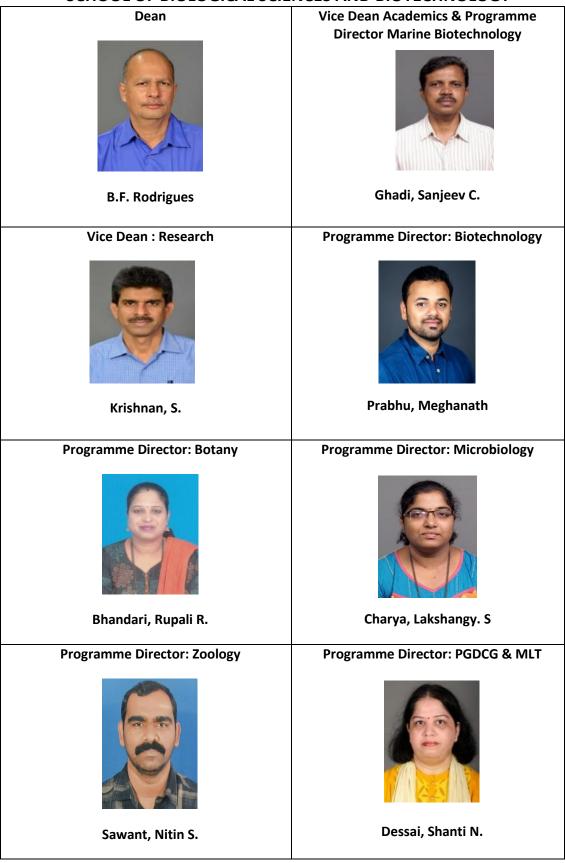
\* (Inclusive of tuition fees and other fees but exclusive of Caution Deposit)

- a) Caution Deposit shall be refunded in full.
- b) In case of (1) in the table above, 5% of the fees paid by the student, subject to a maximum of Rs. 5,000/- shall be deducted as processing charges from the refundable amount.
- c) Fees shall be refunded to an eligible student within fifteen days from the date of receiving a written application from her/him in this regard.
- d) The fees of students who have already been admitted to a Programme of the University and have paid the fees and are subsequently admitted to another Programme shall have to pay the fees for the final admission and claim the refund of fees paid earlier, in which case no administrative charges shall be deducted from fees paid earlier by the student.
- e) However, if the fees payable for the both the Programmes are the same, the fees paid earlier shall be transferred to the final Programme where admission is sought.
- f) All other cases of the refund of the fees will be decided on case-to-case basis on its merit.

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# <u>SCHOOLS</u>

#### SCHOOL OF BIOLOGICAL SCIENCES AND BIOTECHNOLOGY



The School of Biological Sciences and Biotechnology comprises of five disciplines:

- 1. Biotechnology
- 2. Botany
- 3. Microbiology
- 4. Zoology
- 5. Clinical Genetics & Medical Laboratory Techniques

#### 1. BIOTECHNOLOGY DISCIPLINE

#### a) Programmes offered and student intake:

Discipline Programmes Offered		Intake
Established: 1988 Code: MBT	M. Sc. Marine Biotechnology	30
Established: 2003 Code: GBT	M. Sc. Biotechnology	25
Established: 1990 Code: BOT	M.Sc. Botany	38
Established: 1974 (CPIR) Code: MIC	M.Sc. Microbiology	25
Established: 1990 Code: ZOO	M.Sc. Zoology	38
Established: 1998 Code:	Post Graduate Diploma in Clinical Genetics & Medical Laboratory Techniques	25
	Ph. D. in Biotechnology, Botany, Microbiology, Zoology	

#### b) Introduction: Biotechnology

Since its inception in 1988, the M.Sc. Marine Biotechnology Programme has been funded by the Discipline of Biotechnology (Ministry of Science &Technology, Govt. of India, New Delhi), placing Goa University in an enviable position among the top DBT center for M.Sc. Biotechnology, on par with Universities such as Jawaharlal Nehru University, New Delhi, M.S. University, Baroda, Banaras Hindu University and the University of Pune, in terms of receiving continuous funding from the DBT for this M.Sc. Programme. Students taken in for the Programme are nationally selected through the GAT-B exam conducted by the National Testing Agency. Given its reputation and standard in producing world-class human resources in Biotechnology in India, the Discipline was among the few centers that have been identified for continued funding during the fifteen Finance Commissions. The students selected for the program receive a stipend of Rs. 5,000/-p.m. for the duration of the Programme.

The Discipline is one of the pioneers in Marine Biotechnology teaching and research in the country and since the year 2008 has had the added distinction of being DST-FIST sponsored. It had been granted a sum of Rs. 30 lakhs by the DBT, exclusively for the replacement of obsolete equipment.

The Discipline also conducts an M.Sc. Programme in Biotechnology for producing skilled manpower for the state of Goa. The students are selected through the GUART test conducted by Goa University.

The Discipline has excellent strengths that have been developed in the following thrust areas: Marine Viruses, the study of agarases, xylanases, lipases, cellulases, alginate lyases, amylases and proteases of special characteristics of commercial importance from marine microorganisms; biodiversity & ecology of hypersaline Actinomycetes and sulphate reducing bacteria; study of marine macroalgae for nutraceutical properties, isolation of lectins and biofuel, isolation of bioactive substances from plant extracts and marine sources; bioremediation of heavy metals by salt pan bacteria and their nanoparticles. Genomics and Proteomics of Marine bacteria.

#### c) Major facilities available in the Discipline:

PCR facility, UV- Vis Spectrophotometers, DNA/Protein Fluorometer, Walk-in-Cold Room facility, Cell disruption systems, Class II Biosafety Cabinet, Real-Time thermal cycler, Lyophilizer, Tissue Culture facility, Deep freezers (-20 & -80° C), Fluorescence/Phase Contrast Microscope, Pilot-scale Fermenters, Ultrapure water system, Library, Computer Lab for Bioinformatics, High-speed Refrigerated Centrifuges, Ultracentrifuges, AKTA Protein purification system, ELISA Reader

#### d) DST/FIST/Any other:

The M. Sc Marine Biotechnology HRD program is supported by the Discipline of Biotechnology, Ministry of Science and Technology, New Delhi.

#### e) Placement Sources for the Students:

After completion of the M.Sc. program, most of the students pursue their PhD in National/ International research institutes. Several students are selected for the Biotechnology Industrial Training Program for on-the-job training. The students also find placement in pharmaceutical industries/ R & D laboratories and are employed as project trainees in several national laboratories.

#### f) Introduction: Botany

The Discipline offers postgraduate studies and research in Botany with thrust area in Plant Diversity (Algae, Fungi, Bryophytes, Pteridophytes and Higher Plants), Plant Molecular Biology & Genetic Engineering, Plant Tissue Culture, Mycorrhizal Research, Plant Developmental Biology, Plant Histochemistry, Rice grain biology, Bio-prospecting of medicinal plants and Plant Physiology. Discipline has active R & D collaborations with industries on wine technology, mushroom cultivation and categorical support from local industries and eco-resorts for hands on training and internship for bio-entrepreneurship and ecotourism courses and for consultancy on re-vegetation of mine wastelands. Novel AM fungal species have been identified and published from the State of Goa. Besides, the discipline houses an AM fungal culture collection. Several new genera and species have been published through biodiversity studies, a family has been added to the Indian flora, substantial work on endemic plants of Western Ghats and group specific taxonomic revisions have been carried out for higher plants.

Faculty members are part of several international, national and State level committees, reviewers of proposals and papers, and on editorial boards of several journals.

#### Significant achievements of the discipline

- State and national award-winning faculty and research scholars.
- With 526 research publications.
- Several Alumni are globally well placed in respectable positions.
  - Acknowledged as an important center for Plant Science and Biodiversity studies in the Western Ghats and Western India.
  - Excellent *ex situ* reference collection of Western Ghats plant herbarium and in-house fungus cultures.
- Substantial contributions to policy formulations at State and national level.
- Leading discipline in creation of ecological and environmental awareness.
  - Supported for seven years by the Planning Commission of India for documenting plant and fungal biodiversity of the Western Ghats.

#### g) Major facilities available in the Discipline:

The Discipline is equipped with Student and Research microscopes with photographic facilities, fluorescence microscope, SEM, HPLC, UV-VIS spectrophotometer, FTIR, Chlorofluorometer, Lyophilizer, Rotary shakers, PCR, RT-PCR, Gel documentation system, Tissue culture laboratory, Laminar flow chambers, Digital and film cameras, Fungus culture collection center, Herbarium, Polyhouse, Botanical Garden for teaching and research. Botany discipline also subscribes front line national and foreign Journals in Botany. An exclusive computer laboratory with printing and scanning facilities, computers in each laboratory and class room all networked and connected to INTERNET.

#### h) DST/FIST/Any other:

Discipline was supported by DST- FIST two times and also supported by UGC SAP (DRS III).

#### i) Placement Sources for the Students:

Students of this Discipline are placed in various teaching institutes within Goa, National laboratories, Universities abroad and Industries.

#### j) Introduction: Microbiology

The Discipline of Microbiology, Goa University, was started in 1974 under the Centre of Post-Graduate Instruction & Research, affiliated to the University of Bombay. It became a full-fledged Discipline of the then newly founded Goa University in 1985.

The Discipline was initiated with a Post-Graduate Programme in Microbiology. A second Masters Programme in Marine Microbiology was started in June 2012, having been awarded the Programme by the University Grants Commission, Government of India, under the Innovative Programme for 'Teaching and Research in Interdisciplinary and Emerging Areas'. The Discipline introduced a Master's Programme in Biochemistry in June 2014.

The Discipline carries out research in thrust areas such as Molecular Microbiology, Marine Microbiology, Microbial Ecology, Environmental Microbiology, Genetic Engineering, Extremophilic Microorganisms and Microbial Bio prospecting for enzymes, antimicrobial metabolites and PHA, with the support of grants from UGC, DOD, DST, DBT, TERI.

#### a) Major Facilities Available in the Discipline:

High Pressure Liquid Chromatography; Lyophilisation Unit; Atomic Absorption Spectrophotometer; High speed and Cooling Centrifuges; Gel Electrophoretic units for protein/DNA, Fluorescent, Phase contrast and General Microscopy; Fluorescence and UV-Vis Spectrophotometer; Thermal Cycler; Gas Chromatography; UV Transilluminator; Millipore Ultra Filtration Unit; Water bath; Incubatorshakers; Spectrofluorometer; Rheometer; Fermenter; Oxygen Analyser; Gel Documentation Systems; SDS-PAGE & IEF System; Nanodrop spectrophotometer, PCR, Evaporator, Freezer (-20° C), Biosafety Cabinet; Anaerobic jars, Cold room.

#### b) DST/FIST/Any other:

The funding agencies include: UGC, DOD, DST, DBT, MoES, TERI.

The Discipline has received funding from DBT under the FIST Programme for strengthening of teaching and research in Microbiology. The Discipline was recognized by the MoES as a Centre of Excellence in Marine Microbiology in 2007. UGC supported an Advanced PG Diploma in Marine Microbiology and Technology as well as an innovative M.Sc. Marine Microbiology Programme.

#### c) Placement Sources for the Students:

Research Institutes (Disciplines of National/State Government, CSIR-National Institute of Oceanography, CCARI-Indian Council of Agricultural Research, National Centre for Polar and Ocean Research, Birla Institute of Technology and Sciences), colleges, food/pharmaceutical and aquaculture industries, diagnostic laboratories, etc.

#### k) Introduction: Zoology

#### DST-FIST/UGC-Special Assistance Programme (SAP) Sponsored Discipline

The Discipline offers Masters Programme in Zoology with an intent to develop aptitude for learning about Zoology and significance of fauna ranging from single cell to multicellular systems. Keeping in mind the Discipline thrust area "Life processes, Aquaculture and Biodiversity, the current Post graduation curriculum has been restructured. The new M. Sc. Zoology curriculum strikes a precise balance between the classical courses and modern biological courses and has been made to introduce and emphasize the skill based Programmes along with an Internship. Apart from the classical topics on Animal Sciences namely, Taxonomy and Systematics; Biodiversity; Anatomy of Non chordates and Chordates, this syllabus also covers topics on various aspects of Life Processes such as Animal Physiology, Endocrinology, Developmental Biology and Molecular Biology. The restructured M. Sc. Zoology Programme also focuses on various application-based or skilled-based courses such as Fishery Sciences and Fish Farm Management, Food Processing, Environmental Physiology, Neurophysiology, Stem Cell Biology, Herpetology, Wildlife Biology and Ethology. The courses like Immunology, Cell Biology, Animal Genetics, Biological Techniques, Biostatistics and Vector Biology also represent this restructured syllabus. This Programme through the dissertation will also help the students to understand the basic principles of nature and will also provide scope for hands-on experience to experiment with nature /animals and thereby enable them to develop aptitude for research in various allied fields of animal sciences. This curriculum will also enable them to overcome several day-to-day problems faced by our society by providing them with some practical and effective solutions.

Faculty members are engaged in research on Nano-toxicology, Neurophysiology, Animal Physiology, Animal Cell Culture, Ornithology, Herpetology, Biodiversity, Ethology and Ecology Conservation Biology, Animal Biotechnology, Molecular Biology, Environmental Physiology, Toxicology, Genotoxicology, Fishery Science and Aquaculture. The **Ph.D. in Zoology** Programme offered is oriented towards these research specializations of faculty members.

The Zoology Discipline also offers a **Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques**. Science graduates with either Zoology, Microbiology, Biotechnology, Chemistry/Biochemistry are eligible to apply for this program. Candidates should compulsorily obtain a minimum of 55% marks in the PGDMLT GU-ART conducted by Goa University. This Post graduate diploma consists of two semesters with four courses in Semesters I and II each followed by compulsory one-month hands-on training in each of the laboratories viz. Biochemistry, Blood Bank and Central Laboratory, Pathology and Microbiology in Goa Medical College/ Govt. Hospital. This Programme is offered in collaboration with Goa Medical College.

#### I) Major facilities available in the Discipline:

#### Laboratories:

The laboratories are designed to make it convenient for the students to work comfortably in the different research areas. The M. Sc. and PGCGDMLT laboratories facilitate the students to carry out their practical courses and dissertation work. The students get hands-on experience while working with instruments in the laboratory. The students perform different experiments in various subjects as per scheduled curriculum for developing research interest and skills. The various laboratories are M. Sc. Laboratory, PGCGDMLT Laboratory, Research Laboratory, Instrumentation Room, Optical Instrumentation Laboratory and Animal Tissue Culture Laboratory which cater to the research needs of students of the discipline.

The Research laboratory is also designed to promote an encouraging research environment and atmosphere for the Ph. D. as well as post-Doc Fellows to carry out their research work without any

distraction or disturbance and to promote research discussion. The Instrumentation and optical instrumentation laboratories are well established with sophisticated equipment to carry out the research activity for the researchers as well as faculty.

The Animal Tissue culture laboratory is designed in a way that facilitates the research in invertebrate and vertebrate cell culture like stem cells, neuronal cells, gills cells, mantle cells, siphon cells, macrophages, haemocytes etc. The establishment of primary cell cultures, cell lines, their characterization as well as development of cryopreservation methods are the outputs of this laboratory facility.

Instruments: The major instruments available in the Discipline are Spectro fluorophotometer, UV-Vis Spectrophotometer, Microplate reader Osmometer, RT-PCR, PCR, Ultracentrifuge, Cooling Centrifuge, Osmometer, Nanodrop spectrophotometer, Fluorescence Microscopes, Inverted Microscopes, Stereomicroscope, GC-MS, HPLC and Gel Doc system.

#### **Museum Facility:**

The museum maintains a wide variety of specimen collection belonging to different invertebrates to vertebrate phyla. The animal specimens from the museum are used by the students for detailed taxonomic studies. Major specimen collections in the museum incorporate representations of almost all phyla. Few Microscopic organisms along with various cytological and histological collections of permanent slides are also maintained and utilized as and when required for teaching- learning and research purposes. Specimens deposited by any persons from the road kill are also entered in the museum collection for their storage upon verification. Besides this we also have a good collection of skeletal structures and anatomical models of various vertebrates. Substantial collection of entomological specimens of Butterflies and Insects through dry preservation techniques is also a special attraction of our museum. Most of these collections represent the specimens that were collected by our own M. Sc. Students during their teaching/learning process and to promote research in the area of biodiversity and entomology. Constraints of the space availability does not allow us to display a full collection at a time but otherwise we do have a workbench to do the needful display as and when one wants to refer to our museum collection.

Computer laboratory: Computer laboratory is designed in a way to provide facility for M Sc. and Ph.D. students for referencing. The Goa University has access to some of the paid journals and sites so the students can take full advantage of it by accessing it. Students can also prepare their assignments and take the printouts whenever needed. This facility is also extended for their dissertation manuscript typing.

#### **Animal House facility:**

An animal house facility is available to be utilized for meeting the teaching and research demands

involving animal experimentation.

The Animal House Facility is registered with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Ministry of Environment and Forests, Govt. of India (Reg. No: 2014/GO/Re/S/20/CPCSEA) and has an established Institutional Animal Ethics Committee (IAEC) that advises the students, teachers/researchers on facilities, policies and practices concerning the care and use of animals. All the experiments involving animals are approved by the IAEC which is constituted by CPCSEA. The IAEC meetings are held regularly to obtain ethical clearance for use of animals in academics and research. The facility maintains all relevant records to ensure compliance to the approvals granted by the committee and progress under each approved protocol is put up for review by IAEC regularly in each meeting. Structural Facility consists of a Quarantine Room, Mice/Rat Study Facility, Herpetofauna Facility, Aquaria rooms, Preparation room, Store area, washing area, large tanks for maintaining fishes and an Experimental laboratory. A visiting qualified veterinarian and regular caretaker staff are always at hand to monitor and maintain the animals that are brought to this facility to carry out research and keep it in accordance with the standards established by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA). The CPCSEA has approved this facility for small animal Research for Education and research purposes. This Animal House facility is extended for PG students and faculty of various disciplines in Goa University so also the facility intends to extend its support to various undergraduate colleges affiliated to Goa University. Animal house facility was established at the Zoology Discipline of Goa University with the sole aim of promoting laboratory animal research. Here students will also learn the ethical treatment of animals.

#### m) DST/FIST/Any other:

The Discipline received support from DST- FIST (two times) and UGC-SAP grants.

#### n) Placement Sources for the Students:

Placement of students is marked by a good number of PGs being placed as lecturers/ teachers in Degree colleges, Higher Secondaries and the Schools. A sizable number find placements as RAs, Research Fellows, Project Assistants or Documentation assistants in National Institutes such as NIO, ICAR Complex, Zonal establishment of Fisheries Survey of India etc. PGDCG & MLTs find placements in Pathology Labs in Govt. and private sectors in the country and abroad.

#### o) Any other information:

Discipline organizes various subject related student-centric activities/competitions and cultural events like photography, poster making, group discussions, sports events etc.

## p) List of Faculty & their Specializations:

SENIOR PROFESSORS	
<b>Kerkar, Savita S.</b> (Ph.D. Biotechnology, Goa University) Marine Microbiology, Hypersaline Ecosystem	
Krishnan, S. (Ph.D. Botany, University of Madras)	
Plant Histochemistry, Phytochemistry and Bioprospecting, Plant Developmental Biology, Plant Biotechnology and Molecular Biology	
Rodrigues, Bernard F. (Ph.D. Botany, Goa University)	
Cytogenetics and Plant Breeding, Mycorrhizae, Reclamation of mine wastelands. Documentation of Medicinal Plants, Plant Tissue culture	
PROFESSORS	
Garg, Sandeep (Ph.D. Microbiology, University of Delhi)	
Industrial & Medical Microbiology, Microbial Technology, Marine microbiology, Industrial Fermentation, biofertilizers, Agriculture microbiology, Immunology, Ectomycorrhizal fungi, Biopolymers,	
<b>Ghadi, Sanjeev C.,</b> Ph.D. (Biotechnology) (Goa University) Molecular Biology, Biodegradation.	
ASSISTANT PROFESSORS	-
Asolkar, Trupti (Ph.D. Microbiology, Goa University)	
Molecular Biology, Biocontrol agents, Plant-Microbe Interactions	KI
Bhandari, Rupali R. (Ph.D. (Botany, Goa University)	
Algal Physiology, Biochemistry and Biotechnology. Plant Stress Physiology.	
Charya, Lakshangy S. (Ph.D. (Microbiology) (Goa University)	0
General and Environmental Microbiology, Bioremediation, Ectomycorrhizal fungi.	
D'Costa Avelyno H. (Ph.D. Zoology, Goa University)	
Ecotoxicology, Toxicology	S

Animal Physiology, Animal Cell CultureImage: Cell ScienceDesai Shirodkar, Minal (Ph.D. Zoology, Goa University)Image: Cell ScienceAvian EcologyImage: Cell ScienceJalmi, Siddhi K. (Ph.D. Botany, JNU)Agricultural Biotechnology, Plant development and Environmental Stress, Plant-Microbe Interaction, Cell Signaling.Kundaikar, Gandhita V. (M.Sc. Zoology, Goa University)Image: Cell ScienceAquaculture, Nutrigenomics, Fisheries ScienceImage: Cell ScienceMapari, Dviti D. (M.Sc. Biotechnology, Goa University)Image: Cell ScienceNaik, Aditi V. (Ph.D. Botany, Goa University)Image: Cell Science ScienceNaik, Milind M. (Ph.D. Microbiology, Goa University)Image: Cell Science Science Science ScienceNaik, Milind M. (Ph.D. Microbiology, Goa University)Image: Cell Science Scie	Dessai, Shanti N. (Ph.D. Zoology, Goa University)	
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	Salgaonkar, Bhakti B. (Ph.D. Microbiology, BITS Pilani, Goa)	$\wedge$

Samant, Sanika (Ph.D. Biotechnology, Goa University)	
Bioremediation and Bio-prospecting and nanomaterial studies.	
Sawant, Nitin S. (Ph.D. Zoology, Goa University)	
Ecology, Conservation Biology, Wildlife Biology, Biodiversity	
Shaikh, Shamshad Bi. (Ph. D. Zoology, Goa University)	
Nanotoxicology, Animal Biotechnology, Animal Physiology	
Pereira, Preeti Antonetta (Ph.D. Zoology, Pondicherry University)	
Taxonomy, Spongology, Biodiversity monitoring and Assessment, Marine invertebrate Zoology	
Tiwari, Dharmendra (UGC Ph.D. Biotechnology, JNU)	
UGCFRP Biosensor development, Biomaterials, Nanomaterials for biological applications, Fluorescent protein engineering and Light microscopy.	
Velip, Lata G. (Ph.D. Microbiology, Andhra University)	
Microbial carbon pump & Climate change impact, Biogeochemistry, Microbial Ecology, Marine microbiology, Science outreach - science for society.	

**q)** Structure of different Programmes: Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC,</u> <u>Research Facilities Study India Programme. (unigoa.ac.in)</u>

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# SCHOOL OF CHEMICAL SCIENCES

Dea	an	Vice-Dean: Acade	mic
Shet Verenkar, V	/idhyadatta M.	Dhuri, Sunder N	
Vice-Dean: Research		Programme Director: C	homistry
Vice-Deall: Research			,
Shinkre, B	idhan A.	Patre, Rupesh	Ε.
	Programme D	irector: Biochemistry	

Torney, Prachi S.

The School of Chemical Sciences comprises of the following five Programmes: 1) Chemistry i) Analytical Chemistry ii) Inorganic Chemistry iii) Organic Chemistry iv) Physical Chemistry 2) Biochemistry

#### a) Programmes offered and number of student intake:

Discipline	Programmes Offered	Intake
(Established Year: 2019) Formerly Department of Chemistry, Established: 1966 (CPIR) Codes: CHC	M.Sc. Chemistry	
Codes: CHA	Analytical Chemistry	25
Codes: CHI	Inorganic Chemistry	25
Codes: CHO	Organic Chemistry	25
Codes: CHP	Physical Chemistry	25
Established: 2014, Code: CHB	M.Sc. Biochemistry	25
	Ph.D. in Chemistry, Biochemistry.	

#### b) Introduction:

#### i) Introduction: Chemistry

The School offers two year M.Sc. (80 credits) program in Organic, Physical, Inorganic, Analytical Chemistry which includes a 16 credit dissertation course. The research work leading to Ph.D. Degree in the above subjects encompasses various domains of chemical research with emphasis on synthesis of natural products, developments of reagents for organic synthesis, synthesis and application of polymers and nanocomposites, synthesis of pure and mixed metal oxide nanoparticles quantum dots and study of their solid-state properties as well as applications such as gas sensors, supercapacitors and catalysts. The research extends further into computational and theoretical chemistry, bioinorganic, biomimetic and bioinspired chemistry, structural chemistry, homogenous catalysis, coordination polymers and metal organic frameworks, design of heme and non-heme ligands, development of catalysts/ electrocatalysts and their use in kinetics evaluation for various fundamental processes related to energy and environment.

#### ii) Introduction: Biochemistry

The School offers two year M.Sc. (80 credits) program in Biochemistry which includes a 16 credit dissertation course. The SCS also offers Ph.D. in Biochemistry in research topics such as Probiotics, Endophytic research, Bioprospecting, Bio-analytical Chemistry, Environmental Microbiology,

Biochemistry, Bioremediation, Biodegradation, Mineralisation studies, Nanobioremediation Biosensing, Biocatalysis and Food Waste Management. The similar topics are also available for students under Biochemistry dissertation.

#### b) Major facilities available in the School:

Instrumental Facilities: NMR spectrophotometer (400 MHz), BRUKER AXS D8 QUEST ECO Single Crystal XRD, Liquid Chromatography Mass Spectrometer (LC-MS), Atomic Force Microscope (AFM), Vibrating Sample Magnetometer (VSM), Automated Gas Sorption Analyzer (BET), Thermal Analyzers (TG/DTA/DSC), Electrochemical Workstation, Gel permeation chromatograph, Infra Red, IR, UV-Vis., Raman & Photo-Luminescence (PL) Spectrometers, Cryostat for UV-Vis studies, Atomic Emission Spectrometer (AES), CHNS Analyzer, High-performance liquid chromatograph (HPLC), Flash chromatograph, Gas Chromatograph (GC), Ball Mill, LCQR meter, Keithley Electrometers, Automated high temperature A.C. Susceptibility and Resistivity set ups etc.

#### c) DST/FIST/Any other:

School of Chemical Sciences: Formerly Discipline of Chemistry is supported by DST-FIST and UGC-SAP (DSA – I) programs. School of Chemical Science faculty has funded projects from DST, CSIR, UGC, BRNS, AERB etc.

#### d) Placement/progression Sources for the Students:

Students after completing their M.Sc. in Chemistry/Biochemistry are absorbed in different types of Industries including the ones having R & D program, academic institutions, and Government jobs in Discipline such as FDA, GSPCB, Forensic Science Lab, Hospitals, Patho labs etc. Students also join for higher studies (Ph.D.) or professional courses (B.Ed.) after completion of M.Sc. The Ph.D. Degree holders find the positions in Industries as Managers and in R & D as research scientists, in academic institutions as Asst. Professors, and in foreign Universities as Post-Doctoral Fellows.

e) School of Chemical Sciences has a vibrant Alumni Association formed in February 2006 with the name "Chemistry Discipline Faculty and Alumni Association (CDFAA)" which is involved in conducting various Programmes in association with the School of Chemical Sciences, Goa University besides helping financially "Economically Backward Needy Meritorious Students" pursuing their post-graduation in Chemistry/Biochemistry at the School of Chemical Sciences, Goa University. CDFAA organizes annually a reunion of M.Sc. students, 25 years after their post-graduation. It also annually organizes intercollegiate research project competition on the topic 'Fascinating world of chemical sciences' and awards the best researcher prize every year to the University and College teachers for their excellent performance in research (in chemistry) during that year. CDFAA felicitates our alumni who clear CSIR-NET-JRF examination during its annual GB meet. SCS organizes state/national/international level symposium, conferences, workshops /meetings in collaboration with CDFAA. SCS faculty has national and international collaborations in research activities.

f) List of Faculty and their Specialisations:

SENIOR PROFESSOR	
Nadkarni, Vishnu S. (Ph.D. Bombay University) (on lien as Registrar, Goa University) Synthetic Organic Chemistry and Polymer Chemistry.	
PROFESSORS	
Dhuri, Sunder N. (Ph.D. Goa University)	
Coordination and Bioinorganic Chemistry.	
Shet Verenkar, Vidhyadatta M. (Ph.D. Goa University)	( Alla
Solid State Chemistry and Gas Sensors.	
Shirsat, Rajendra N. (Ph.D. University of Pune)	100
Theoretical and Computational Chemistry.	
ASSOCIATE PROFESSORS	
Patre, Rupesh E. (Ph.D. Goa University)	
Synthetic Organic Chemistry, Natural Products, Flow Chemistry, Green Chemistry, Analytical Chemistry, Process development.	
Porob, Digamber G. (Ph.D. IISc., Bangalore)	
Luminescent Materials, Crystallography, Materials Sustainability, Size Controlled Materials.	

Shinkre, Bidhan A. (Ph.D. NCL-Pune)	
Synthetic Organic Chemistry, Asymmetric synthesis, Medicinal Chemistry: Anti- cancer and Anti-bacterial agents- Structure Activity Relationship studies (SAR), Heterocycles, Green and sustainable processes.	
ASSISTANT PROFESSORS	
Barretto, Delicia A. (Ph.D. Karnatak University)	
Probiotics, Endophytic research, Bioprospecting, Biochemistry	
Bugde, Sandesh T. (Ph.D. Goa University)	
Synthetic Organic Chemistry, Asymmetric Organocatalysis	
Chari, Vishnu R. (M.Sc. Goa University)	
Computational Chemistry: Electronic structure calculations, Electrochemistry.	
Deshpande, Kanchanmala B. (Ph.D. BITS Pilani, Goa)	0
Bio-analytical Chemistry, Sensing and remediation of toxic analytes	
Dhavskar, Kiran T. (Ph.D. Goa University)	
Anion receptor chemistry, Analytical Chemistry, Imaging studies and method development, Sensing, separation, and remediation of toxic analytes, Generation and development of green methodologies, techniques and materials.	
Girkar, Siddhali V. (M.Sc. Goa University) (on study leave for Ph.D.)	
Organic Chemistry	
Kadam, Hari K. (Ph.D. Goa University)	
Synthetic Organic Chemistry, (Heterocyclic Chemistry, Organic Methodologies, Cross coupling reactions) Green Chemistry, Medicinal Chemistry, Continuous Flow Chemistry, Analytical Chemistry, Method Development, (HPLC, GC).	
Karmalkar, Deepika, Ph.D. (Ewha Womans University, Korea)	
Bioinorganic Chemistry, Metal-Oxygen Intermediates, Water Oxidation Catalysts, Nitric Oxide Chemistry	

Microbiology, Biochemistry, Nanotechnology.          Kundaiker, Savita A. (Ph.D. Goa University)       Polyoxometalate Chemistry, Coordination compounds, Analytical Chemistry, Catalysis.         Kunkalekar, Rohan K. (Ph.D. Goa University)       Catalysis, Solid State Chemistry, Nano-Material synthesis.         Kunkalkar Rupesh A. (Ph.D. IIT Bombay)       Synthetic Organic Chemistry.         Mandrekar, Vinod K. (Ph.D. Goa University)       Polymer Chemistry, Synthetic Organic Chemistry, Natural Products Chemistry and Catalysis.         Morajkar, Pranay P. (Ph.D. University of Lille 1- Science and Technology France)       Reaction Kinetics, Kinetic Modelling, Laser diagnostics.         Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)       Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry, Materials for Energy Applications.	
Polyoxometalate Chemistry, Coordination compounds, Analytical Chemistry, Catalysis.       Image: Chemistry, Coordination compounds, Analytical Chemistry, Catalysis.         Kunkalekar, Rohan K. (Ph.D. Goa University)       Catalysis, Solid State Chemistry, Nano-Material synthesis.         Kunkalkar Rupesh A. (Ph.D. IIT Bombay)       Synthetic Organic Chemistry.         Mandrekar, Vinod K. (Ph.D. IIT Bombay)       Synthetic Organic Chemistry.         Mandrekar, Vinod K. (Ph.D. Goa University)       Polymer Chemistry, Synthetic Organic Chemistry, Natural Products Chemistry and Catalysis.         Morajkar, Pranay P. (Ph.D. University of Lille 1- Science and Technology France)       Reaction Kinetics, Kinetic Modelling, Laser diagnostics.         Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)       Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry,	
Catalysis.       Kunkalekar, Rohan K. (Ph.D. Goa University)         Catalysis, Solid State Chemistry, Nano-Material synthesis.       Kunkalkar Rupesh A. (Ph.D. IIT Bombay)         Synthetic Organic Chemistry.       Kunkalkar, Vinod K. (Ph.D. IIT Bombay)         Synthetic Organic Chemistry.       Mandrekar, Vinod K. (Ph.D. Goa University)         Polymer Chemistry, Synthetic Organic Chemistry, Natural Products Chemistry and Catalysis.       Morajkar, Pranay P. (Ph.D. University of Lille 1- Science and Technology France)         Reaction Kinetics, Kinetic Modelling, Laser diagnostics.       Reaction Kinetics, Kinetic Modelling, Laser diagnostics.         Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)       Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry, Value Colloidal Chemis	
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Kunkalkar Rupesh A. (Ph.D. IIT Bombay)         Synthetic Organic Chemistry.         Mandrekar, Vinod K. (Ph.D. Goa University)         Polymer Chemistry, Synthetic Organic Chemistry, Natural Products Chemistry and Catalysis.         Morajkar, Pranay P. (Ph.D. University of Lille 1- Science and Technology France)         Reaction Kinetics, Kinetic Modelling, Laser diagnostics.         Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)         Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry, I	
Synthetic Organic Chemistry.       Image: Chemistry of the content of t	
Mandrekar, Vinod K. (Ph.D. Goa University)         Polymer Chemistry, Synthetic Organic Chemistry, Natural Products Chemistry and Catalysis.         Morajkar, Pranay P. (Ph.D. University of Lille 1- Science and Technology France)         Reaction Kinetics, Kinetic Modelling, Laser diagnostics.         Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)         Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry,	
Polymer Chemistry, Synthetic Organic Chemistry, Natural Products Chemistry and Catalysis.       Image: Chemistry of Chemistry, Natural Products Chemistry and Catalysis.         Morajkar, Pranay P. (Ph.D. University of Lille 1- Science and Technology France)       Reaction Kinetics, Kinetic Modelling, Laser diagnostics.         Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)       Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry,	
Catalysis. Morajkar, Pranay P. (Ph.D. University of Lille 1- Science and Technology France) Reaction Kinetics, Kinetic Modelling, Laser diagnostics. Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel) Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry,	
Reaction Kinetics, Kinetic Modelling, Laser diagnostics.          Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)         Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry,	
Nagvenkar, Anjali P. (Ph.D. Bar-Ilan University, Israel)         Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry,	
Electrochemistry, Semiconductor Colloidal Nanocrystals, Colloidal Chemistry,	
Naik, Diptesh G. (Ph.D. Goa University)	
Monomer/ Polymer synthesis, Material Chemistry, Radiation dosimetry, Polymeric materials, Radiation detectors.	1 man
Naik, Shrikant R. (Ph.D. Goa University)	
Material Chemistry, Solid State Chemistry, Nanomaterials, Mixed-metal Oxides.	

Narvekar, Kedar U. (Ph.D. Goa University)Structural ChemistryTorney, Prachi S. (Ph.D. Goa University)Organic Synthesis and Methodologies, Heterocyclic and Medicinal Chemistry,<br/>Domino Reactions, Photocatalysis, Analytical Method Development, Biochemistry.Volvoikar, Prajesh S. (Ph.D. Goa University)Synthetic Organic Chemistry, (Heterocyclic Chemistry, Organic Methodologies,<br/>Cross coupling reactions, Cross dehydrogenative coupling) Medicinal Chemistry,<br/>Process development and optimization, Analytical Chemistry, Method Development<br/>(HPLC, GC).

# g) Structure of Programmes:

Website Link: <u>Goa University</u>, <u>Goa's premier University</u>, <u>Post Graduation</u>, <u>PH.D</u>, <u>B.SC</u>, <u>M.SC</u>, <u>Research Facilities Study India Programme. (unigoa.ac.in)</u>

# D. D. KOSAMBI SCHOOL OF SOCIAL SCIENCES AND BEHAVIOURAL STUDIES

Dean	Vice-Dean, Academics
Somayaji, Ganesha	Parobo, Parag D.
Vice- Dean, Research	Programme Director –History
Coelho, Joanna P.	Kankonkar, Vinod O.
Programme Director -Political Science	Programme Director –Sociology
Desai, Prakash	Haldankar, Arvind N
Programme Director-Women's Studies	Programme Director-Social Work
Lolayekar, Aparna	Prabhu, Prachi

The Faculty of Social Sciences comprises of four Programmes:

- 1. History
- 2. Political Science
- 3. Sociology
- 4. Women's Studies
- 5. Social Work
- a) Programmes offered and student intake:

Discipline	Programmes Offered	Intake
Established: 1967 (CPIR) Code: HIS	M. A. History	69
Established: 1973 (CPIR) Code: POL	M. A. Political Science	38
Established: 1974 (CPIR) Code: SOC	M. A. Sociology	25
Established: 2013 Code: WST	M.A. Women's Studies	19
Established: 2022 Code:SWK	Master of Social Work (MSW)	19
	Ph. D. in History, Political Science Sociology, Social Work and Women's Studies	

#### b) Introduction: History

Maritime history and Indo-Portuguese history are the thrust areas of the Programme. However, the Programme also offers courses in general aspects of ancient, medieval and modern Indian history, apart from the history of Goa. In this way, an attempt is made to provide varied options to the students so that they obtain knowledge in varied subjects, thereby enabling them to compete with the students of other universities. The Programme offers varied courses on such areas as maritime history, history of Portuguese colonialism, ancient and medieval Goa, ancient, medieval and modern India, urbanization, oral history, museology, environmental history of India, history and theory, research methodology, tourism studies, Marathas, West Asia, and Africa. Apart from classroom teaching, the Programme also conducts field trips by taking students to the Goa Archives, Museums, and environmentally significant regions of Goa. The Programme organises seminars every year and encourages the research scholars and post graduate students to attend the same, thereby enhancing their knowledge base. The Programme also organises lectures by visiting research scholars and professors.

#### c) Major Facilities Available in the Programmes:

The students of History prgramme have access to the large collection of books and journals of the Goa University Library. The Goa University library comprises Pissurlencar collections and Nuno Gonsalves collections, which comprise valuable primary and secondary sources, which can be used by the students.

The proogramme has set up a computer lab with Internet connection maintained by the Computer Centre of Goa University. Students of the Programme can also use the common computer facility for the School.

The classrooms of the Programme are equipped with LCD facility which enables the faculty and the students to use audio and video resources available in the web-based channels such as vyas, youtube, swayam etc. In one class room there is a television set, which can be connected to laptop by using the HDMI cable. Apart from these facilities, the classroom has uninterrupted power supply through Inverters. The classrooms are also fully air conditioned.

#### d) Introduction: Political Science

The Political Science Programme seeks to empower students with the knowledge of both the theory and practices of politics by relating it to the local, national and the global landscape over the two years Masters Programme. It seeks to constantly innovate teaching and learning methodologies to equip the students for a better future career. The Programme has made significant contributions in the area of Decentralized Governance, South Asia, Democratic Politics and Goa's Politics. The teaching program and curriculum is regularly updated and reflects the core competencies of the faculty members.

#### a) Major Facilities available in the Programmes:

The Programme has a Resource Room consisting of periodicals and books donated by the alumni and faculty members. It also has well equipped class rooms with audio-video and ICT facility for conducting classes, small workshops and meetings.

#### b) Placement Sources for the Students:

Affiliated colleges, Media Outlets, Government Discipline and Non-Governmental Organizations. Governor of Goa and Chancellor of Goa University, Chief Electoral Officer, Goa and Goa Institute of Public Administration and Rural Development.

#### e) Introduction: Sociology

The teaching Programme in Sociology blends classical foundations with contemporary developments and debates. Substantively, moving beyond its disciplinary confines, the Programme seeks to promote teaching and research on contemporary Goa. At the Master's level, the Programme promotes fieldwork-based assignments and dissertations. Towards this end, it holds an annual Research Methodology Training camp. Students are encouraged to participate and present papers in conferences and seminars.

#### f) Introduction: Library Science

The Library and Information Science Programme aims to train students in latest developments in Library Science.

#### g) Major facilities available in the Programmes:

The Programme has a computer laboratory consisting of 15 computers installed with latest library science software for study. Further the Programme utilises the University Library for hands on practice/experience for all practical and learning purpose. The Programme uses modern electronic gadgets for teaching and learning.

# h) Placement Sources for the Students:

The students of the Programme are employed in different sectors such as education, research, government and non-governmental organizations.

# i) List of Faculty & their Specialisations:

PROFESSORS	
<b>Desouza, Shaila</b> (Ph.D., TISS, Mumbai) (On Leave) Gender: Development, Health, Welfare, Empowerment, Feminist Theory.	
Kamat, Pratima. P. (Ph. D. History, University of Bombay) Indo-Portuguese History and Maritime Studies, Gender Studies, History of Goa.	0
Rao, Nagendra (Ph. D. History, Goa University) Ancient India and Economic History of Western Coastal India.	
Somayaji, Ganesha (Ph. D. Sociology, Goa University) Social Theory, Sociology of Food, Language and Society.	
<b>Tripathi, Rahul</b> (Ph. D. Political Science, JNU) South Asian Politics, International Political Economy, Human Rights.	

ASSOCIATE PROFESSORS	
Coelho, Joanna P. (Ph. D. Sociology, Goa University)	
The Indian Diaspora, Sociology of Language, Political Sociology.	
Haldankar, Arvind N. (Ph. D. Sociology, Goa University)	
Sociology of Tribes, Ethnography, Environmental Issues.	
Lolayekar, Aparna (Ph.D. Goa University)	
Growth Economics, Gender, Development, Spatial Econometrics and Data Analysis.	
Parobo, Parag D. (Ph. D History, Goa University)	
Maritime History, Tourism, Indo-Portuguese History, Post-Colonial Studies, Intellectual History.	
ASSISTANT PROFESSORS	
Borges, Peter Floriano (M.S.W. Rashtrasant Tukadoji Maharaj Nagpur	
University) Child Rights, Welfare, and Protection, Youth Development, Health and Development, Disability Rights and Inclusion, Substance Abuse – Prevention and Rehabilitation, Cyber Safety, Sexual and Reproductive Health and Public Policy	
Desai, Prakash (Ph. D. Political Science, JNU)	
Indian Politics, Political Theory.	
Dias, Favita (M. A. Sociology, Goa University)	
Social Inequality.	CES.
Fernandes, Mozinha (M. A. Sociology, Goa University)	
Sociology of Tribes.	

Ghadi, Sneha B. (M. A. History, Goa University)	$\frown$
Colonial History, Ancient Indian History, Medieval Indian History, Indian	010
Diaspora Studies, Gender Studies.	
Gaunkar, Ravaji (M. Phil. Political Science, Goa University)	
Rural Governance, Goan Society and Politics.	
Kankonkar, Vinod O. (M.A. History, Goa University)	
History of Goa, Medieval India, Modern India, History of Indian Cinema.	A CONTRACTOR
Naik, Keval K. (M.A. Goa University)	
Gender Studies, Migration and Transnationalism, Technology and	( ) ) ) ) ( ) ) ) ( ) ) ) ( )
Advanced Society, Community Development and Empowerment, Child	
Welfare.	S TA S
<ul> <li>Naik, Nalini C. (Ph. D. History, Deccan College Post Graduate and Research Institute)</li> <li>Political, Social and Economic History of Ancient India, History of Goa, Art and Architecture, Epigraphy and Numismatics, Museum studies.</li> </ul>	
Naik, Prachi (M. A. Political Science, Goa University)	
Political Theory, Critical Theory, Language & Politics	
Naik, Shradha (Ph. D. Political Science, JNU)	
International Relation, South Asia, Human Rights.	

Naik, Vidhita K. (M.Phil. (Goa University) Mental Health, Cultural perspective on mental health, Challenges faced by differentially abled population and their care givers, Challenges faced by children's of psychotic parents.	
Mendes, Ninotchka (M.A. Sociology, Goa University) Tourism and Livelihoods, Understanding Goa.	
Pednekar, Sulochana (M.A., MPS, IIPS, Mumbai) Global Health with special emphasis on Reproductive health of Women, Education, Sanitation and Environment	
<b>Prabhu, Prachi</b> (M. Phil, TISS, Mumbai) Gender, Feminist History and Sexuality.	
<b>Risbud, Seema S.</b> (Ph. D. History, Goa University) Indo-Portuguese History, Decolonisation Movements and Studies in Indian Culture and Heritage.	
Tate, Sangeeta (M.A. Sociology, Goa University) Migration, Environmental Sociology, Gender Studies.	
Zaraunker, Vithai (M.A. Goa University) Gender, Caste and Tribe.	

## j) Structure of Programmes:

Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC, Research</u> <u>Facilities Study India Programme. (unigoa.ac.in)</u>

# SCHOOL OF EARTH, OCEAN AND ATMOSPHERIC SCIENCES

Dean	Vice-Dean, Academic
Ghadi, Sanjeev C.	Viegas, Anthony A. A
Vice-Dean, Research	Programme Director-Earth Science
Matta, Vishnu M.	Kalangutkar, Niyati
Programme Director- Marine Science	Programme Director- Marine
	Microbiology
Nasnodkar, Maheshwar R.	Damare, Varada S
Programme Director- M.Sc.	Programme Director- M. A.
Environmental Science	Environmental Science
Fernandes, Sheryl Oliveira	Ghadi, Sneha B.

The School of Earth, Ocean and Atmospheric Sciences comprises of five programs:

- 1. Applied Geology
- 2. Marine Sciences
- 3. Marine Microbiology
- 4. Environmental Science

#### a. Programs offered and Number of Student intake:

Discipline	Programmes Offered	Intake
(Established : 1986) Code: GEO	M.Sc. Applied Geology	31
(Established : 1986) Code: MSC	M.Sc. Marine Sciences	31
(Established : 2012) Code: MMI	M.Sc. Marine Microbiology	25
(Established : 2021) Code: ENV	M.Sc. Environmental Science	
(Established : 2021) Code: ENV	M.A. Environmental Science	31
	Ph.D. in Marine Sciences, Earth Science & Marine Microbiology	

#### b. Introduction:

#### 1) Introduction: Applied Geology

The M.Sc. Applied Geology program involves advanced training in subjects and builds upon the foundation laid at the Bachelor's level. The focus is on building a strong theoretical and practical framework to enable students to tackle routine work in the industry as well as to take initiative in challenging new areas. Accordingly the Master's program includes fundamental courses such as Mineralogy, Geochemistry, Structural Geology, Sedimentology, Igneous Petrology, Metamorphic Petrology, Economic Geology, Stratigraphy and Indian Geology, as well as courses related to practical aspects such as Remote Sensing, GIS, Petroleum Geology, Mining Geology, Groundwater Geology, Exploration Geophysics, Statistical Geology. The coursework is aided by introduction to computer applications in various fields. Some of the computer tools that the students are introduced to during the period of their coursework include Surfer, Strater, Rockware, Surpac, ArcGIS, IDIRSI, SteroNett, ERDAS, etc. apart from other software not explicitly related to the core subjects. As a supplement to the various theoretical courses, the students are also given an opportunity to work in the field. There are two educational field related courses in the 2nd and 4th semesters respectively, apart from the practical industry training in mining or petroleum related industries at the end of the 2nd semester. The majority of the students over the years have been placed in mining and oil companies through regular counseling and campus placements. All the core and elective, optional courses included in the programs have been specifically designed to meet industry standards and research requirements. The close links that this program enjoys with the industry (particularly Mining & amp; Mineral) and research organizations, have worked towards elevating the level and quality of studies and facilities. The program also works towards reaching the general public under outreach programs for creating awareness in conservation and management of natural resources. The Discipline has been actively involved in several international programs (UNIGIS Distance Learning in GIS, International Earth Science Olympiad, etc.) Research opportunities (Ph. D) for advanced study are offered under the Earth Science Program which has resulted in good publications in top notch journals and has given good visibility to the program of the School. The Geology Museum hosts representative samples covering most of the Peninsular India lithotypes as well as minerals, ores and fossils.

#### 2) Introduction: Marine Sciences

The Discipline of Marine Sciences, Goa University, was established in the year 1985 and has grown to become a multidisciplinary School focusing on post graduate teaching and research in different branches of Marine Sciences, namely Physical Oceanography, Marine Chemistry, Marine Biology and Marine Geology. Marine Sciences program admits students from a wide background of bachelor Degree, such as Mathematics, Physics, Electronics, Computer Science, IT, Chemistry, Industrial Chemistry, Analytical Chemistry, Pharmaceutical Chemistry, Zoology, Botany, Microbiology, Biotechnology, Biosciences, Fisheries, Aquatic Science, Earth Sciences, and Geology. The Marine Sciences program is nationally recognized as National Resource Center in Marine Sciences. Since 2010, the program offers Choice Based Credit System (CBCS) giving an option to the students to choose her/his optional courses. Onboard ship training for a period of 15 to 20 days is a compulsory component of the course. This is in addition to the regular field surveys of coastal zone and estuarine waters.

#### 3) Introduction: Marine Microbiology

This Program was initiated in June 2012, under the award of UGC sponsored 'Innovative Program for teaching and research in interdisciplinary and emerging areas'. The Program is meant for students to pursue higher studies in Marine Microbiology. Being a university in coastal state of India, Goa University provides a strategic advantage in learning Microbiology of marine and coastal ecosystems. It serves to impart advanced training to students in the field of Marine Microbiology with focus on marine microbial diversity, bio-prospecting and applications of marine microbes in the production of various biologically significant metabolites; and in bioremediation of polluted environments. Students undergo hands-on training with state-of the art technologies and are trained so as to develop an aptitude for independent research. The Program equips students for higher research leading to the Ph.D. Degree in India or in International Universities overseas, or for employment in Research Institutes, in teaching, and in Industry, the students finding speedy employment.

#### 4) Introduction: M.Sc. Environmental Science/ M.A. Environmental Science

Environmental science has conventionally studied physical, chemical and biological processes in the Earth system (Lithosphere, hydrosphere, atmosphere and cryosphere). It now incorporates naturehuman interactions and the social, political and cultural processes which impact the planet. The anthropogenic pressures on the ecological processes have forced disciplinary boundaries to merge and a student of environmental science must understand the complex relationships that drive nature-human interactions. Sustainability is one of the grand challenges that human survival faces on planet Earth. This program was initiated from AY 2021-22 and has been conceived as a multidisciplinary program which will teach students how to combine skills and knowledge from a variety of domains. It will allow students to explore courses from a large number of disciplines and skill themselves in a manner that they feel best suits them for their knowledge pursuits. The program will provide a holistic approach to understand environmental issues and undertake environmental impact assessments with diverse perspectives, frameworks and using multiple data sources. All students will undertake fieldwork and laboratory work to experience different habitats, climates, land formations and social structures.

#### c. Facilities available in the School:

School is equipped with various instrumental facilities which include Nikon Eclipse Ti-S Epifluorescence microscope, Olympus IX51 Fluorescence microscope, Folsom splitter, Echo sounder, Ekman Grab, Petersens Grab, Koltwiz chamber, Flow meter, Niskin Sampler, Laminar Air Flow Unit (LAF), Satlantic Radiometer, Absorption and attenuation instrument (Ac-9), WetSTAR CDOM fluorometer, Three angle back-scattering meter, Automatic Weather station, Multiwavelength Radiometer for *in-situ* generation of aerosol, Aethalometer, Cooling Centrifuge, Orbital shaking incubators, Deep freezers, TOC Analyzer (Shimadzu), Flame and Graphite AAS (Thermo Scientific) ICE 3500, Spectrophotometer (UV-1800), Sunphotometer, Hot air oven, MilliQ Water System, Autoclave, Meteorological tower with sensors, Flourometer, Quartz Crystal Microbalance (QCM), Conductivity Temperature Depth measuring instrument (CTD), Ice flaking machine, UV transilluminator, Electrophoretic units, Probe sonicator, psychrometer, computational laboratory, Centrifugation unit.

#### d. DST/FIST/ Any other:

Marine Science program DST-FIST (2015 – 2020) Applied Geology, UGC - SAP (2013 – 2018)

#### e. Placement Sources for the Students:

**Teaching:** Goa University, St. Xavier's College, Dhempe College, Government College of Sanquelim, Government College of Arts, Science and Commerce, Khandola, Parvatibai Chowgule College, Dnyanprassarak Mandal's College and Research Centre.

**Research:** CSIR-NIO, NCPOR, INCOIS, IISc, IITs, CMLRE, NISCAIR, MoES, Geological Society of India, NGOs, Directorate of Fisheries, Goa University, Goa Govt. DST- Goa, GSPCB-Goa, Food and Drug Administration (FDA), Curtin University (Australia), University of Southampton (UK).

**Mining industries:** Fomento, Vedanta, Arcellor Mittal, JSW Steel, Tata Steel, Total Energies, Schlumberger Ltd, Halliburton, Weatherford International, Geolog, ONGC, Consultancies.

**Other companies:** Navionics technologies, H&P technologies, Terra Hydrotech. Dilip Buildcon, Fugro, L&T, Cybertech, Unichem Laboratories Limited, MolBio Diagnostics, Indoco Remedies, Maka Di Brewery.

# f. List of Faculty and their specializations:

SENIOR PROFESSORS	
<ul> <li>Menon, Harilal B. (Ph.D. Marine Science, Cochin University of Science &amp; Technology) (on lien as Vice-Chancellor, Goa University)</li> <li>Physical Oceanography, Coastal Water optics, aerosol and radiative forcing, Radiative transfer modeling of visible spectrum of EMR, Optical remote sensing of coastal and estuarine waters.</li> </ul>	
<b>Rivonker, Chandrashekher U.</b> (Ph.D. Marine Science, Goa University) Marine Biodiversity and Ecology, Fisheries, Aquaculture, Phytoplankton Ecology.	
PROFESSORS	
Matta, Vishnu M. (Ph.D. Marine Science, Andhra University) Marine Chemistry, Environmental Chemistry, Seaweed Chemistry.	
ASSOCIATE PROFESSOR	
Viegas, Anthony A. A. (Ph.D. Earth Science, Goa University) Igneous Petrology	
ASSISTANT PROFESSORS	
Berde, Chanda V. (Ph.D. Marine Microbiology, Goa University) Microbial Bioremediation, Microbial Metabolites, Archaea, Endophytic Microorganisms.	

Damare, Varada S. (Ph.D. Marine Microbiology, Goa University) Marine Microbiology, Microbial Ecology, Marine Protists, Microbial Bioprospecting, Bioremediation, Trophic Interactions.	
<b>D'Costa, Priya M.</b> (Ph.D. Marine Science, Goa University) Marine Microbiology, Interactions Between Bacteria and Phytoplankton, Diatom Diversity, Biofilms.	
<b>Fernandes, Sheryl Oliveira</b> (Ph.D. Marine Science, Goa University) Marine Microbial Ecology, Marine Biogeochemistry, Aquaculture.	
<b>Ghadi, Pooja P.</b> (M.Sc. Earth Science, Goa University) Polar Micropaleontology, Paleoclimate, Engineering Geology.	
Lotlikar, Nikita P. (Ph.D. Marine Microbiology, Goa University) Term: (29-11-2023 till 09-05-2024) Microbial Biochemistry, Microbial Genetics, Gene Regulation, Coral Microbiology and Marine Microbiology.	
Kalangutkar, Niyati (Ph.D. Earth Science, Goa University) Igneous Petrology & Volcanology.	
Mayekar, Mahesh M. (M. Sc Earth Science, Goa University) Groundwater Geology, Igneous Petrology	
<ul> <li>Naik, Sangeeta M. (Ph. D. Marine Microbiology, AcSIR - Academy of Scientific and Innovative Research)</li> <li>Marine Biogeochemistry, Marine Microbial Ecology and Algal Physiology.</li> </ul>	

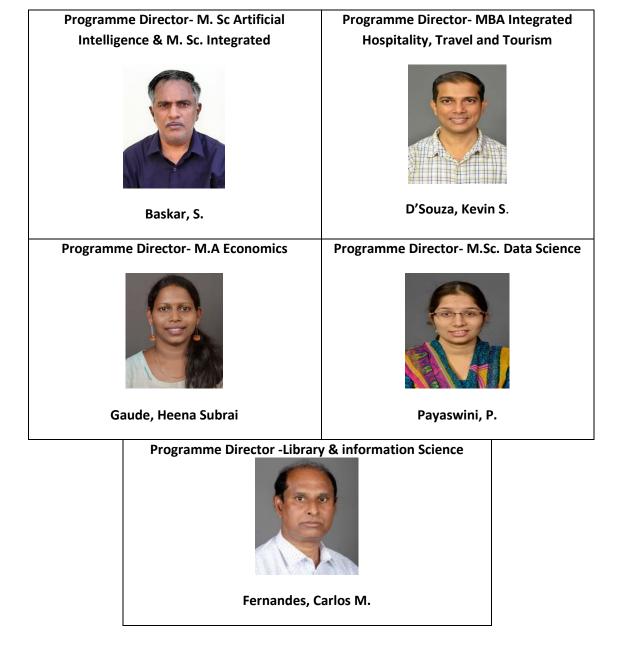
Nasnodkar, Maheshwar R. (Ph. D. Marine Science, Goa University) Marine Chemistry, Geochemistry, Speciation, Bioavalability, Bioaccumulation, Ecotoxicology and Phyto-remediation.	
Sawant, Poornima Rohan (Ph.D. Goa University) Mineralogy, Geochemistry and Igneous Petrology	
Sequeira, Nicole Ann Fae (Ph. D Earth Science (IIT, Kharagpur) Structural Geology, Metamorphic Petrology and Precambrian Tectonics	
Vaigankar, Diviya Ph.D. Marine Microbiology (Goa University) Marine Microbiology, Nanobiotechnology, Molecular Biology, Metal- resistant Bacteria, Microbial Bioremediation.	

# g. Programme Structure

Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC, Research</u> <u>Facilities Study India Programme. (unigoa.ac.in)</u>

# **GOA BUSINESS SCHOOL**

Dean	Vice-Dean, Academic
Pawar, Jyoti	Borde, Nilesh
Vice-Dean, Research	Programme Director-M. B. A
Mukhopadhyay, Pranab	Velip, Suraj Pavto
Programme Director-M.B. A. (E)	Programme Director-M.B. A (FS)
Parab, Narayan	Khanapuri, Harip
Programme Director- M.C.A	Programme Director- M.Com.
Wagh, Ramrao	Alarnkar, Aakruthi



# a) Introduction:

Goa Business School (GBS) was established in April 2019 by amalgamating the former Departments of Commerce, Computer Science & Technology, Economics and Management Studies. The School offers multiple choices to students in the form of UG, PG and Integrated Programmes. The interdisciplinary nature of the School allows students to choose from a multiple set of courses across Programmes so that they can pursue their varied interests based on their own individual interests.

- b) <u>Programmes Offered:</u>
- 1) Commerce
- 2) Economics
- 3) Hospitality, Travel and Tourism
- 4) Management
- 5) Financial Services
- 6) Computer Science and Technology
- 7) Library & Information Science

#### 8) Ph. D Programmes

- a) Commerce
- b) Computer Science and Technology
- c) Economics
- d) Management Studies

# a) Programme intake and fee details -

Discipline	Programmes Offered	Intake
Established: 1968 (under CPIR) Code: ECO	Master of Arts in Economics	55
Established: 1988 Code: MGA	Master of Business Administration	75
Established: 2018 Code: MGE	Master of Business Administration (Executive)	38
Established: 2001 Code: MGF	Master of Business Administration-Financial Services	75
Established: 2011 Code: MGH	Master of Business Administration (Integrated; Hospitality, Travel & Tourism)	38
Established: 1988 Code: COM	Master of Commerce	75
Established: 1987 Code: CSA	Master of Computer Applications	75
Code: CSI	Master of Science in Artificial Intelligence	20
Code: CSD	Master of Science in Data Science	20
Established: 2020 Code: IMC	Master of Science (Integrated)	50
Established: 2014 Code: LIS	Master of Library & Information Science (M. L.I.Sc)	31
	Ph.D in Economics, Commerce, Management studies and Computer Science and Technology	

#### Major Facilities available in the School:

#### A) Well-established Exchange Program with institutions in Germany

#### B) Modern Computer Lab with

- licensed Statistical Data Analysis Software like MATLAB, Eviews, Statcraft, among others
- campus wide access to CMIE- PROWESS and M&A, EPWRF, India stat,
- Modern computer labs with over 130 desktops that allows students to simultaneously work on MS Windows / Linux platforms
- latest versions of development tools and application platforms such as Oracle, Eclipse, Visual Studio, CASE Tools, Rational Suite, Internet Information Server (IIS).

- Subscription to the Microsoft Dream Spark Programme which provides legal copies of all Microsoft software available on workstation and Server platforms.
- Emphasis on use of Open Source software

# b) Placement Support

The School offers wide ranging support to students seeking placements in all Programmes both through the University's umbrella Directorate of Student Placement and Alumni Relations (DSPAR) as well as School level efforts. The School has a vibrant and well-placed alumni network that also helps students find employment and entrepreneurship opportunities.

# c) Well-established Exchange Program with institutions in Germany

#### List of Faculty Members

SENIOR PROFESSORS	
<b>Hegde Desai, Purva</b> (A.C.A., Ph.D. Goa University) Finance, Marketing	
Reddy, Y. V. Ph.D. Economics (Osmania University)	
Accounting and Finance, Capital Market Studies.	
PROFESSORS	
Borde, Nilesh (Ph.D. Goa University)	67
Finance.	
Dayanand, M. S. Ph.D. Goa University)	
Marketing & Tourism Management	
Guntur, Anjana Raju (Ph.D. Goa University)	
Accounting & Finance, Capital Market studies.	

Mukhopadhyay, Pranab (Ph.D. JNU)	MA.
Macro Economics, Environmental Economics	
Pawar, Jyoti D. (Ph.D. Goa University)	
Data Mining, Data Structures, Natural Language Processing.	
Pillai, Subhash, Kizhakanveatil Bhaskaran (Ph.D. University of Calicut)	
Finance, Entrepreneurship, Quantitative Techniques, Strategic Management, Materials Management and Tourism	
Sarath Chandran, B.P. (Ph.D. Goa University)	
International Economics	
Sankaranarayanan K.G. (Ph.D. University of Calicut)	
Finance, Marketing, HR, Capital Market, Tourism and Hospitality	
ASSOCIATE PROFESSORS	
Baskar, S. (M.Sc. Bharathidasan University)	
Machine Learning, Compilers, Embedded Systems and Cloud Computing.	
Khanapuri, Harip R. (Ph.D. Goa University)	
Accounting, Corporate Finance, Capital Markets	
Pinto, Yma F. (M.C.A. Goa University)	
Database Management System, Operating Systems, Computer Science Education.	

Rajanala, Nirmala (Ph.D. Andhra University)	
Marketing, Human Resources.	
Wagh, Ramrao (M.C.A. Goa University)	
Software Engineering, GIS.	
ASSISTANT PROFESSORS	
Alarnkar, Aakruthi (M. Com Goa University)	
Taxation, Financial Management and Capital Markets.	
Castanha, Jick (M. Com Goa University)	
Corporate Governance, Finance, Accounting	
D'Souza, Kevin S. (M.T.M. IGNOU)	
Hospitality, Food Sector	
Fadte, Swapnil Suresh (M.E. Goa University)	
Information retrieval, Operations research, Speech processing	
Fernandes, Carlos M. (Ph. D Library & Information Science, Shivaji University)	
Research Methodology, Library Management & Library consortia.	

Fernandes, Jarret Stevan Anthony (M.C.A. Goa University)	000
Programming Paradigms, Web Technologies, Mobile Apps, Software	
Engineering, Assistive Education, User Experience (UX/UI) Design,	
Computer Graphics Applications.	
Gaonkar, Sadanand P. (M.Com. Goa University)	
	(~~)
Hospitality, Travel and Tourism Management, Finance and Banking,	
Marketing Management, and Human Resource Management	
Gaonkar, Vishal Kamlakar (M. Com., Goa University)	
Accounting & Finance, Direct Taxes.	100
Gaude, Heena Subrai (M.A. Economics, Goa University)	0
Agricultural Economics	
Agricultural Economics.	
Karmali, Ramdas (M.C.A. Goa University)	
	Lange and
Natural Language Processing, Data Communication, Security.	i i i i i i i i i i i i i i i i i i i
Kavthankar, Avina Atchut (M.A. Economics, Goa University)	
Dublic Finance Aprilational Francescies	
Public Finance, Agricultural Economics	
	AND AND
Khandolkar, Teja T (M.B.A. Goa University)	
Marketing	00
Marketing	13
	The
Khorjuvenkar, Preeti R. (M.Tech., University of Hyderabad)	
Data Structures, Programming & Problem Solving, Swarm Optimization	00
Algorithms.	

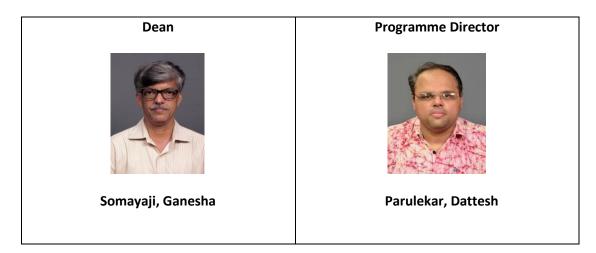
Kolamker, Prachi P. (Ph.D. Goa University)	
Corporate Governance, Finance, Accounting	
Kundaikar, Teja (M.E. Goa University)	
Optical Character Recognition and Data Analytics	
Lingadkar, Paresh R. (Ph.D. Goa University)	
Organizational Behaviour, Human Resource Management, Marketing	
Management, Tourism Management	
Naik, Priyanka (Ph.D. Goa University)	
Accounting and Finance	
Naik, Sujal L. (M.Com. Goa University)	
International Tourism	
Mhamal, Milind C. (M.LI.Sc. Library & Information Science, Annamalai University)	
Library History, Book History, Book trade, Library Classification, Bibliography, Translations.	
Parab, Narayan (Ph.D. Goa University)	
Capital Markets, Security Analysis, Econometrics for Finance	
Parab, Rohan L. (M.LI.Sc. Library & Information Science, Goa University)	
Library Classification, Library Automation, Use of web-based services in libraries	Barrie Contraction
Parab, Sanjeeta G. (Ph.D. Goa University)	
Derivatives, Commodity Market, Energy	

Pawaskar, Pinky R. (Ph.D. BITS Pilani, Goa)	
Consumer Behavior, Tourism, Advertising	
Payaswini, P. (Ph.D. Mangalore University)	
Computer Networking, Data Structures, Operating Systems, Unix.	
Pereira, Shamin (Ph. D. Library & Information Science, University of Pune)	
Information literacy, User studies.	
Redkar, Hanumant H. (M.C.A. Goa University)	
Natural Language Processing, Language Learning, Konkani Language R & D	
Sadekar, Poonam J. (Ph.D. IGNOU)	
Travel, Tourism, Management, Hospitality, Environment and Sustainability	
Shenvi Dhume, Pournima S. (Ph.D. Goa University)	
Financial Services, Fintech, Marketing.	
Thomson, Albino (Ph.D. Goa University)	-
Hotel Management, Rooms Division.	
Velip, Suraj Pavto (Ph.D. Goa University)	
Accounting and Finance.	
Volvaikar, Novelty R. (M.LI.Sc. Library & Information Science, IGNOU)	
Library Automation, Digital Libraries, Information Technology, Informetrics and Scientometrics.	

# d) Structure of Programmes:

Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC,</u> <u>Research Facilities Study India Programme. (unigoa.ac.in)</u>

# SCHOOL OF INTERNATIONAL AND AREA STUDIES



The School of International & Area Studies comprises the following fields of study:

- a) <u>Programmes Offered:</u>
- 1. International Relations

# a) Programmes offered and Student intake:

Discipline	Programmes Offered	Intake
Established: 1988 Code: INR	M. A. International Studies	19
	Ph. D in International Relations Ph. D in Latin American Studies	
	Certificate of Proficiency in Japanese Language – (A1 KATSUDO and A-1 RIKAI)	

#### a) Introduction: International Studies

The MA International Studies Programme is the flagship offering of the School of International and Area Studies, having been in pedagogic vogue, for two decades and more. The MA Programme which is a full-time Two years (four Semesters) Degree, involves interdisciplinary instruction and attendant research, drawing on perspectives specific to the emergent discipline of International Relations, but also from International Politics, Economics, History, Law, and Security and Strategic Studies, with a view to offering students a holistic and integrated understanding of the rudiments, as also the nuances and intricacies, of the field of International Affairs. The Programme is particularly attractive on account of the wide spread of Optional Courses on offer, beholding deeper insights into thematic subjects and topical regional dynamics, alike. The Syllabi of the MA Programme tends to be revised and updated pursuant to changing trends, once every three to four years. The SIAS has lately been endeavouring to integrate linguistic teaching with instruction on International Relations and hence has offered Spanish and Japanese languages, as 'Certificate of Proficiency' Programmes. Students undertaking the MA International Studies Programme have undertaken internship stints both during and after their Degree

Programme, at Government and private think tanks across the country, such as at the Institute for Chinese Studies (ICS) New Delhi, and at COVINTS, Bengaluru.

# b) Major facilities available in the School:

The School of International and Area Studies, has a separate building to itself on Campus, within which, all its academic Programmes, are housed. The SIAS building, boasts individual classrooms, well equipped with the latest higher education pertinent ICT instrumentation, including fair number of computers within a dedicated Computer cum Language Lab Room, as also upgraded furniture and fixtures, all of which serves to qualitatively enhance the teaching-learning process.

# c) List of Faculty & their Specialisations:

ASSISTANT PROFESSORS	
Jose, Almin Cicily. (Ph.D. JNU) Policy Analysis, Governance, Foreign Policy, Diplomacy	
Narvenkar, Mukund (Ph.D. Goa University) Maritime Security, International Relations and India's Foreign Policy	
Naik, Yugank (M.A. Goa University) International Relations, Latin American Studies, New Social Movements, World Cinema and Decolonization and Identity	
<b>Parulekar, Dattesh</b> (Ph.D. Goa University) "India's Foreign Policy, Maritime Affairs, East Asian Affairs, Strategic Studies, African Affairs, Latin America Political Economy, Polar Geopolitics.	

#### d) Structure of Programmes:

Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC, Research</u> <u>Facilities Study India Programme. (unigoa.ac.in)</u>

# MANOHAR PARRIKAR SCHOOL OF LAW, GOVERNANCE & PUBLIC POLICY



Rane, Vaibhavi

Manohar Parrikar School of Law, Governance & Public Policy currently comprises the following fields of study:

- 1. Public Administration
- 2. Law
- a) Programmes offered and Student intake:

Discipline	Programmes Offered	Intake
Established: 2023 Code: PAD	Master of Arts in Public Administration	19
Established: 2023 Code: LLM	Master of Laws (LLM)	19

### b) Introduction: Law

The Manohar Parrikar School of Law, Governance and Public Policy encompasses the disciplines of Women's Studies, Social Work, Law, Public Administration, Tribal Studies and Disability Studies. The Chhatrapati Shivaji Maharaj Chair in Leadership and Governance is also associated with this School. There are two distinct reasons for the establishment of the Manohar Parrikar School of Law, Governance and Public Policy in the Goa University. The first is to create within the only public University of the State a living memorial of Shri Manohar Parrikar, our late Chief Minister whose immense contributions to the people-centric public policies are widely recognised and celebrated. The School is named in the memory of a national leader who was widely recognised for his commitment to good and effective governance and popular public outreach. The second reason is to create an academic entity within Goa University that will conduct policy-relevant research and offer advanced Programmes in applied social sciences, thereby contributing to the creation of a well-trained cadre of public policy professionals in the State.

Goa stands at a very interesting intersection with multiple claims on development, local aspirations and public policies. The state needs well designed research on environmental development for which effective formulation and implementation of public policies are the most important to make public administration and governance more effective and adaptive to the new demands and challenges. Goa University seeks to contribute by establishing an academic entity for research and training in the areas of public policy, administration and governance which can assist legislators, officials and public servants at all levels in the performance of their duties. The Manohar Parrikar School will act as a knowledge hub, where public policy experts, practitioners and members of the wider public will get a chance to deliberate on ideas of good governance and to carry out research.

All the Programmes in Manohar Parrikar School are designed to facilitate critical thinking, develop new knowledge, with a commitment to social change. We strive to use new and inclusive methods of knowledge production in our efforts to bridge theory and practice. The Programmes aim at developing the research capacities in students to engage academically and practically with social realities. The pedagogy includes extension activities, hands on training, research, documentation, advocacy and field action within the wider community, while networking with organizations committed to social empowerment at the state, national and international arenas.

Other Programmes that we hope to offer in the Manohar Parrikar School soon include: MA Rural Development, BSW, and BA Women's Studies.

The School works closely with various stakeholders including Government and civil society organizations on advocacy, research and extension activities for social empowerment. The School has played an instrumental role in the setting up of the Women's Cell in the Police Headquarters, the 181 Helpline service for women, Goa State Women's Commission and the Goa State Resource Centre for Women. Students who are trained in Women's Studies can contribute to any organization working for women, or on human rights, media, environment or development.

#### c) Placement Sources for the Students:

Government Disciplines including Discipline of Women and Child Development, Government outreach projects, NGOs, Colleges, Schools, Research, CSR, media etc.

d) Varied teaching and learning tools are used such as digital storytelling, films, group discussions, field trips, role-play, reading clubs, film festivals and campaigns. All lecture presentations are circulated.
 Field realities are brought into the classroom through field placements and students are encouraged

to engage with the community. Local experts are also invited to the classroom to share their experiences.

e) List of Faculty and their Specialisations:

ASSOCIATE PROFESSOR				
Shringare, Alaknanda (Ph. D. Political Science, Karnatak University) Governance, Public Administration.				
ASSISTANT PROFESSORS				
<b>Gawas, Vijay M. (Ph.D. in Law, Goa University)</b> Human Rights and Constitutional Law, Tribal Rights, Child and Disabilities Rights, Women Rights, Labour Rights, Legal aid, Consumer protection and environmental aspects.				
<b>Kalekar, Siddhesh (</b> M.A. Goa University) Public Administration				
Naik, Gauraangi B. (L.L.M. Goa University) Alternative Dispute Resolution, Human Rights and International Humanitarian Law, Criminal Justice Administration and Forensic Science				
Quintal, Steffi (M.Com. Goa University) Public Finance, Project Management, Marketing in Public Sector, Public Policy in Tourism and Hospitality				
Rane, Vaibhavi (L.L.M., O. P. Jindal Global University, Haryana) International Law, Human Right, Investment and Trade Law				

# f) Structure of Programmes under MPS:

Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC,</u> <u>Research Facilities Study India Programme. (unigoa.ac.in)</u>

# SCHOOL OF PHYSICAL & APPLIED SCIENCES

Vice-Dean, Academic				
Farab, Jivan S.				
Programme Director, Physics				
Hathwar Venkatesha R.				
Programme Director, Mathematics				
Kunhanandan, Mailattu				
Programme Director, B. Vocational				
Warlon Darius				

The School of Physical and Applied Sciences comprises of four Programmes:

- 1. Electronics
- 2. Physics
- 3. Mathematics
- 4. B. Vocational in Electronics, Instrumentation and Computer Networking
- a) Programmes offered and student intake:
- b) Introduction:
- a) Programmes offered and student intake:

Discipline	Programmes Offered	Intake
Formerly Department of Physics, Established: 1963 (CPIR) School of Physical and Applied Sciences Established Year: 2020 Code: PHY	M.Sc. Physics	50
Code: ELE	M.Sc. Electronics	19
Code: MAT	M.Sc. Mathematics	38
	B.Voc. Electronics, Instrumentation and Computer Networking	15
	Ph.D. in Physics, Electronics & Mathematics	

The School offers two year M.Sc. (80 credits) and Ph. D Programmes in Physics, Electronics and Mathematics and B. Voc. Programmes in **Electronics, Instrumentation and Computer Networking**.

# b) Introduction: Physics

It has well-equipped teaching laboratories with novel experiments in Physics. Students are oriented in using modern laboratory techniques as well as estimating uncertainties in measured and derived quantities.

The thrust area of research is experimental and theoretical Condensed Matter Physics. The faculty are actively involved in studying structural, magnetic, optical and transport properties of different types of materials ranging from glass and glass ceramics, nano materials and nano structures, luminescent materials, magnetic shape-memory alloys, superconductors, electrocatalysts, energy storage materials etc. to understand the underlying basic physical mechanism as well as to develop new materials for applications. Some efforts are also concentrated on understanding quantum phase transitions in Bosonic systems.

Over the years it has established state of the art characterization facilities through individual research grants from national funding agencies like DST-SERB, CSIR, BRNS, etc., and assistance through DST-FIST and UGC-SAP. This has resulted in 37 PhD thesis, over 250 research articles in national and international journals of high repute and several hundred national and international conference

presentations. Recently faculty members of this School and School of Chemical Sciences have established a state of the art, laboratory for Materials characterization under RUSA 2.0.

Faculty members have also established strong national and international collaborations with peers in leading Universities and Institutions and successfully completed international collaboration projects.

The several National and International Conferences, Symposia and Meetings attracting internationally renowned scholars in the subject are 71rganized. For the benefit of its research student workshops and courses like the GIAN, DST-SERB School Courses are conducted regularly.

#### c) Introduction: Electronics

A candidate eligible for admission to a program leading to the Degree of Master of Science in Electronics must have passed the examination of the Degree of Bachelor of Science with Physics/Computer Science/ Electronics of this University or from any other recognized University.

The thrust area of the master program is embedded system, supported by the UGC under innovative program. Summer Internship as well as industry associated minor and major projects are highlights of this program. It has projects in the areas of Biometrics, Hyper Spectral Imaging, Data Communications System, Biomedical, Agricultural Electronics.

#### d) Introduction: Mathematics

The post-graduate Programme in Mathematics is oriented towards research in Topology, Knot Theory, Differential Equations, Operator Theory, Mathematical Physics, Lie Algebra Functional Analysis, Number Theory and Combinatorics.

#### e) Introduction: B.Voc. in Electronics, Instrumentation and Computer Networking

The Programme is based on National Skills Qualifications Framework (NSQF), an initiative by Ministry of Human Resource Development (MHRD), Government of India to develop skills and knowledge among the students in alignment with the needs of industry as a part of driving economic growth and social development of the country.

The curriculum designed is in consultation with the Industry partner D-Link India Ltd. And Electronics Sector Skill Council. Specifically, it includes Basics of Electronics, Repair and maintenance of Electronic appliances and Gadgets, Industrial Instrumentation, Computer maintenance and troubleshooting, Computer Networking, Web technology, Robotics, Internship, and Field Trips.

This is a Skill-based program that offers the job roles such as Field Technician, Service Technician, Senior Technician, and System Administrator at the various NSQF levels: certificate, diploma, advanced diploma, and B. Voc, respectively.

Further, it provides the vertical mobility to master's Degree in vocational course having multiple entry and exit that enables the learner to seek employment after any level of award and join back as and when feasible to upgrade qualifications/skill competencies either to move higher in the job profile or in the higher educational system.

# f) Major facilities available in the School:

**Physics:** Over the years, it has established good facilities for research in Condensed Matter Physics and Materials Science. The facilities include: Programmable High Temperature Furnaces (upto 1600° C), Tri Arc Furnace, Pulse laser deposition system, Vacuum thermal deposition system, Electrophoretic deposit setup, Spin coating unit, Vacuum sealing facility, Glove-box, Sieve Shaker, Low speed Diamond wheel Cutter, Lapping and Polishing Machine, Rotating anode based X-ray diffractometer, Optical Microscopes, FTIR & UV-Vis spectrometers, Photoluminescence Spectrometers, DC and AC Electrical Resistivity, Thermopower apparatus (ambient to 10K), Dielectric Bridge (10Hz - 3 MHz, ambient to 500° C), Electrochemical analysis, Differential Scanning Calorimeter (-140°C to 600°C), Thermo-gravimetric analyser(ambient – 1100°C), Dynamical Mechanical Analyser (0.01Hz - 100Hz, -140°C to 600°C), Computer Cluster, Optical microscope with integrated optical trapping system and fluorescence imaging etc.

# **Electronics:**

\* UV/Visible/NIR Spectrophotometer, UV-VIS-NIR Fiber-optic spectrometer, Spectrum analyzer, portable Signal Generator & Analyzerupto 3 GHz range, MIMO Communication system.

\* Hyper-spectral Imaging setup, Isolation table, various lasers and light sources.

\* 20-Channel EEG, ECG and EMG Biomedical system.

\* ALTERA Semiconductors technology developments boards for DSP, Image processing, transreceiver, Ethernet; Controllers developments boards for PIC,89C52, ARM7/9, NI Speedy; Xilinx IDE ISE 7.1, MATLAB 2019, Lab View, TRI India Robotics development kits, VLSI, CAD tools (P-Spice), Microwind etc.

# Mathematics:

Library with books purchased from NBHM Grants, Computer Lab.

# Vocational Programme:

The Programme is established with the facilities such as Computer Networking and Gadgets & Electrical laboratory. Computer Networking laboratory consists of D-link supported laboratory for switching and routing. Gadgets and Electrical laboratory comprises of repair and maintenance of home appliances.

# g) DST/FIST/Any Other:

Discipline of Physics received support under DST-FIST (Level-I, Phase II), UGC-SAP (DSA-Phase III) and Infrastructure Programmes.Ph.D. in Electronics is supported from Ministry of Electroics and Information Technology, New Delhi.

# h) Placement Sources for the students:

Research Laboratories, Institutes and Universities in India and abroad (after Ph.D.) Teaching in Schools (with B.Ed.) and colleges/Universities (with NET/SET).

# i) Placement Sources for the students:

It is one of the centres recognized by Indian Academy of Sciences, Bangalore for conducting the Experimental Physics Refresher Courses on behalf of the Joint Science Education Panel of the three national science academies.

The School offers two year M.Sc. (80 credits) and Ph. D Programmes in Physics, Electronics and Mathematics and B. Voc. Programmes in **Electronics, Instrumentation and Computer Networking**.

# j) List of Faculty & their Specialisations:

SENIOR PROFESSOR	
Gad, Rajendra S. (Ph.D. Electronics, Goa University)	
Data Fusion and Communication System	
Priolkar, Kaustubh. R. S. (Ph.D. Physics, Goa University)	
Experimental Condensed Matter Physics-NEXAFS and EXAFS	

PROFESSORS	
Pai, Ramesh V. (Ph.D. Physics, Institute of Physics/Utkal University, Bhuvaneshwar)	20
Theoretical Condensed Matter Physics	1
Parab, Jivan S. (Ph.D. Electronics, Goa University)	
Embedded System Instrumentation and Signal Processing	
ASSISTANT PROFESSORS	

Alavani, Bhargav K (Ph.D. Physics, Goa University)	
Ultra-Cold atomic gases, Computational Physics	
Dias, Elaine T (Ph.D. Physics, Goa University)	
Experimental Condensed Matter Physics	
Fernandes, Brandon (M.Sc. Mathematics, Goa University)	
Lie Algebra	
Fernandes e Pereira, Jessica (Ph.D. Mathematics, BITS Pilani, Goa)	
Discrete Mathematics, Graph Theory.	
Gaonkar, Aniketh A. (Ph.D. Electronics, Goa University)	
Biometrics, Image Processing Machine Learning	
Gaude, Pallavi P. (M.Sc. Physics, Goa University)	
Theoretical Condensed Matter Physics	
Gawas Mridini M. (Ph. D. Mathematics, BITS, Pilani, Goa)	
Differential Equations, Integral Equations, Partial Differential Equations	
Kunhanandan, Mailattu (Ph.D. Mathematics, Goa University)	
Functional Analysis, Combinatorics	

Naik, Pranav (Ph.D. Physics, Goa University)	
Nanomaterial synthesis, Magnetism, Electrical properties, Radiation effect.	
Raut Dessai, Reshma (Ph.D. Physics, Goa University)	
Neutron Scattering, Porous media, Condensed matter Physics, Glass, Ceramics	
Sequeira, Marlon Darius (Ph.D. Electronics, Goa University)	
Embedded systems, signal processing, FPGA.	
Vetrekar Narayan T. (Ph.D. Electronics, Goa University)	
Hyperspectral Biometrics	
Palni, Prabhakar ( on lien, Ph.D. (University of New Mexico, USA)	
Experimental High Energy Physics and Nuclear Physics	
Gawas, Mridini (Ph.D. Birla Institute of Technology and Science Pilani, Goa)	
Differential equations, Integral Equations, Linear Algebra, Partial differential equations	

UGC- RESEARCH FACULTY ASSISTANT PROFESSORS	
<b>Cherukulappurath, Sudhir</b> (Ph. D. Physics, University of Angers, France) Nonlinear Optics, Plasmonics, Nanophotonics	
<ul> <li>Hathwar, Venkatesha R (Ph. D Physics, Indian Institute of Science, Bangalore)</li> <li>X-ray Diffraction, Chemical Physics and Quantum Crystallography, Crystal Engineering, Structural Materials Science</li> </ul>	
Hyam,RajeshKumarShankar , Ph.D.(ShivajiUniversity)UGC – Assistant Professor, School of Physical and Applied SciencesExperimental Condensed Matter Physics, Nanomaterials for Energy Applications, Superconducting Materials, Pulsed laser deposition of thin films.	
Pahari, Bholanath (Ph.D. Physics, Saha Institute of Nuclear Physics/Jadavpur University, Kolkata) Condensed Matter Physics, NMR Spectroscopy	

k) Structure of Programmes: Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC, Research Facilities Study India Programme. (unigoa.ac.in)</u>

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# SCHOOL OF SANSKRIT, PHILOSOPHY & INDIC STUDIES

Dean	Programme Director (Philosophy)
Tharakan, Koshy	Menezes, Walter

The School of Sanskrit, Philosophy and Indic Studies comprises the following fields of study:

- a) Programmes offered and student intake:
  - 1) Philosophy
  - 2) Sanskrit Studies

Discipline	Programmes Offered	Intake
Established: 1965 (CPIR) Code: PHI	M. A. Philosophy	19
Established: 20	M. A. Sanskrit Studies	15
	Ph. D. in Philosophy	

# b) Introduction:

The School of Sanskrit, Philosophy and Indic Studies (SSPIS) is the outcome of integrating two separate academic units at Goa University, namely, the Discipline of Philosophy, one of the oldest Discipline, and the nascent School of Sanskrit and Indic Knowledge Systems into a composite whole for wider and deeper engagements. Academic study of Philosophy at Goa University was initially part of the then Centre for Post-Graduate Instruction and Research of University of Bombay (CPIR-1967). Subsequently, when Goa University came into existence, it became one of the constituent Discipline.

Currently, the SSPIS offers Master's as well as Doctoral studies in Philosophy, encompassing both the Indian and Western Philosophical specializations. As Philosophy overarches beyond any specific subject matter as far as it involves systematic investigation into various sources and methodologies of knowledge, the Master's Programme in Philosophy at Goa University offers a wide range of courses, both as Core and as Optional that aim to develop critical awareness in understanding other disciplines and subject matters. Based on the classical foundations of philosophy, the curriculum addresses contemporary developments and prepares the students for an informed and meaningful life. The small classroom size serves well the learning eco-system. Opportunity for student exchange Programmes is also available for the students with reputed Universities abroad.

SSPIS has a very robust research Programme and students from other reputed Universities both from India and abroad pursue their studies here. Over the years, with sustained efforts of the faculty and students, the Philosophy Programme at Goa University has been able to embark on the path towards excellence in teaching and learning. Prof. Ramakant A. Sinari, Prof A.V. Afonso, Prof. U.A. Vinayakumar, Dr. Milan B. Desai, Prof. A. Raghuramaraju and Prof. C.A. Tomy were faculty members of Philosophy here and had contributed to the growth of the discipline.

In the near future, SSPIS would offer Programme of studies in Sanskrit Language and Literature, Computational Linguistics, Pali and Buddhist Studies besides Philosophy. Through these academic Programmes, SSPIS aims to explore the dialogical potentials of our ancient knowledge and wisdom traditions with our contemporary concerns in order to build a cosmopolitan knowledge community, capable of addressing the societal challenges from the perspective of the Humanities discipline aimed at molding the enlightened citizens.

### i.M.A Philosophy

M.A. Programme in Philosophy focuses on developing critical acumen in students with regard to philosophical issues and problems both in the Western and Indian Traditions of Philosophizing. The approach adopted for this purpose is largely analytical, critical and hermeneutical. The Discipline offers a wide range of courses in Indian Philosophy, Western Philosophy, Continental Philosophy, Logic and Ethics.

# ii.Ph.D. in Philosophy

The Ph.D. Programme in Philosophy encourages critical, hermeneutical and analytical studies on classical as well as contemporary domains of philosophy, both Indian and Western. Over the years, the focus of research has been on Applied Ethics, Phenomenology, Philosophy of Religion, Environmental Ethics, Vedanta, and Ethics of Pedagogy.

# c) Major facilities available in the Discipline

School of Sanskrit Philosophy and Indic Studies has internet connectivity in the classrooms and faculty rooms. Desktop Computers are available for students to be used for research work and assignments. The library portal gives access to E-Resources. The School has LED projectors for presentations.

#### d) Placement sources for the Students

At Goa University, the Directorate of Student Placement and Alumni Relations (DSPAR) organises at

least one placement fair a year. Students passing out from Goa University can make use of this platform. A good number of employers participate and identify smart students suiting their needs.

In the past, some of our former students have joined as faculty in reputed institutions like IIT Roorkee, Uttarakhand; Vidyasagar University, Midnapore, West Bengal and St. Stephen's College, New Delhi besides Colleges in Goa. Some work at senior level in Goa State Administration while others are working in private firms as executives as well as media professionals.

PROFESSORS	
<b>Pai Vernekar, Sanjyot D.</b> (Ph.D., Goa University) Medical Ethics.	
<b>Tharakan, Koshy</b> (Ph.D.,University of Hyderabad) Philosophy of Human Sciences, Phenomenology.	
ASSOCIATE PROFESSOR	
<b>Menezes e Rebello, Maria Norma</b> (Ph.D., Goa University) Existentialism	
ASSISTANT PROFESSORS	
<b>Chhatre, Yogita</b> (M.A. Central Sanskrit University, Karnataka) Sanskrit Grammar, Manuscriptology, Epics, Classical Sanskrit Poetry	
Menezes, Walter (Ph.D., IIT Bombay) Classical Indian Philosophy, Vedanta, Buddhism & Jainism, Philosophy of Religion, Legal Philosophy, Logic & Epistemology.	

# e) List of Faculty & their Specializations

Naik, Rajavi D. (M.A., Goa University) Applied Ethics and Indian Philosophy.



f) Structure of Programmes Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D., B.SC, M.SC, Research</u> Facilities Study India Programme. (unigoa.ac.in)

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# SHENOI GOEMBAB SCHOOL OF LANGUAGES & LITERATURE

Dean	Vice-Dean (Academic)
Wagle, Anuradha	Mandrekar, Vrushali
Wagie, Anurauna	Wandrekar, vrusnan
Vice-Dean, Research	Programme Director- English
Parienkar, Prakash	Naik, Poorwa
Programme Director- M.A. French	Programme Director-Hindi
Silveira, Irene	Tiwari, Bipin B.
Programme Director- Konkani	Programme Director-Marathi
Chopdekar, Hanumant C.	Madgaonkar, Vinay

Programme Director- B. A Portuguese

Programme Director- M.A Portuguese





Fernandes, Scarlet A.

Usgaonkar, Dhruv S.

# Programme Director- B. A French



Shenoi Goembab School of Languages & Literature consists of six Disciplines

- 1. English
- 2. French & Francophone Studies
- 3. Hindi
- 4. Konkani
- 5. Marathi
- 6. Portuguese & Lusophone Studies
- a) Programmes offered and Student Intake:

Discipline	Programmes Offered	Intake
Established: 1965(CPIR) Code: ENG	M.A. English	63
Established: 2018 Code:	B.A. French	19
Established: 1965 (CPIR) Code: FRE	M.A. French	19
Established: 1965 (CPIR) Code: HIN	M.A. Hindi	50
Established: 1987 Code: KON	M.A. Konkani	63
Established: 1970 (CPIR) Code: MAR	M.A. Marathi	38
Established: 2019 Code: PRC	B.A. Portuguese	19
Established: 1987 Code: POR	M.A. Portuguese	19
	Ph. D. in English, Hindi, Konkani, Marathi, French and Portuguese	
Established: 2020	Certificate of Proficiency	

b) Introduction: English

The Discipline offers postgraduate Programme in English and provides opportunities for doctoral research leading to Ph.D. in English. Literature is a major thrust area of the Discipline with emphasis on British, Indian, American and other literatures. Cultural Studies, translation studies and gender studies are allied areas of study for the Discipline.

### c) Introduction: French

Since our inception in 1965, we have had a long tradition of teaching and research in the domain of French and Francophone Studies. The Discipline of French and Francophone Studies focuses on the extensive and intensive teaching and learning of Language, Literature, and Culture of France and Francophone Countries through robust Academic Programmes and a mosaic of workshops, seminars and cultural activities. It has been a much-appreciated and established Centre of Excellence in the field of French Studies in India. At present, the Discipline offers the following Programmes: Bachelor of Arts (Hons.) (four-year Degree), Master of Arts (two-year Degree), PhD. And Certificate/Diploma/Advanced Diploma in French. The Discipline has incorporated the latest methodologies and approaches to teaching and learning French, which efficiently enable a learner to meet linguistic and professional needs in diverse scenarios. Simultaneously, students get opportunities to interact and train with native French speakers and experts and participate in field trips and exchange Programmes with institutions abroad.

#### d) Introduction: Hindi

The School offers M.A. and Ph.D. Programmes in Hindi. It lays emphasis on Indian Literature, Hindi, Marathi & Konkani, Medieval & Modern Poetry, Novels, Fiction, Criticism, Journalism & Mass Media, Translation. The School also offers opportunity to conduct research in above areas.

#### e) Introduction: Konkani

This Discipline is the only one of its kind in the country, offers M.A. in Konkani language and literature and has research Programmes leading to Ph.D. in any area pertaining to Konkani Language and Literature. It also has various projects from Sahitya Academi, NCERT, UGC, CIIL and other bodies taken up by individual staff members who also have expertise in several Indian and foreign languages and translation. Along with the School of Computer Science and Technology, the School of Konkani is actively involved in interdisciplinary research pertaining to Natural Language Processing (NLP).

# f) Introduction: Marathi

The thrust areas of the Programme include Grammar and Linguistics, Theory of Literature and Translation Studies, Medieval Literature, Christian Marathi Tradition of the 17th Century in Goa, Modern Forms of Literature, Marathi Literature in Goa, Dalit, Rural & Folk Literature, so also Science Fiction in Marathi.

# g) Introduction: Portuguese and Lusophone Studies

The Discipline of Portuguese and Lusophone Studies, the only one of its kind in the country, offers a Postgraduate Masters Programme in Portuguese Literature and Culture.

Indo-Portuguese Studies is a major thrust area of the Discipline. Other allied areas of study with a focus on student tr-aining and employability include Translation Studies, Teaching Portuguese as a foreign Language and Research.

The Bachelors Programme in Portuguese aims at achieving better Linguistic Competencies at the end of which students may pursue employment or a Masters Degree in Portuguese.

The Portuguese Language Optional Courses, Certificate and Diploma Programmes of the Depart Discipline ment of Portuguese and Lusophone Studies that follow the Common European Framework (CEF) are job oriented so that students may obtain fluency in Portuguese to meet the growing demand of the Corporate World.

# h) List of Faculty & their Specialisations:

PROFESSORS	
Caldeira, Nina (Ph. D. English, Goa University) Goa Cultural Studies, Post-Colonial Literature, Linguistics and American Literature	
Mandrekar, Vrushali S. (Ph.D. Hindi, Goa University) Indian Literature, Comparative Literature and Translation	
Wagle, Anuradha (Ph.D. French, JNU) Translation Studies, Linguistics and Teaching Methodology.	

ASSOCIATE PROFESSORS	
Chopdekar, Hanumant C. (Ph.D. Konkani, Goa University) Literary Criticism, Konkani Folklore, Language Movement, Indian and Western Poetics, Linguistics, Translation	
Parienkar, Prakash (Ph.D. Konkani, Goa University)	
Sociological Study of Literature, Special Study of Konkani Novels, Research Methodology, Old Konkani Language & Literature.	
Umraskar, Sunita S. (Ph.D. Marathi, Goa University)	
Medieval Marathi Literature, Modern forms of Literature and Linguistics.	
ASSISTANT PROFESSORS	
Aiya, Hemant B. (Ph. D Marathi, Goa University) Folklore, Folkculture & Folklitrature, Linguistics, Marathi Poetry, Go Heritage	
Alberto, Loraine Ethel (M.A. Portuguese, Goa University)	
Portuguese Literature & Culture, Portuguese & Indo-Portuguese Literature.	
Bapat, Vinayak L. (Ph. D Marathi, Goa University)	
Literary Criticism, Ancient Marathi Literature, Marathi Novels.	

Tiwari, Bipin Bihari (Ph.D. Delhi University)	
Hindi Story, Hindi Criticism	
Chaubey, Anjali (Ph.D. English, JNU)	
Indian English Theatre, Diaspora Studies, Gender Studies, Disability Studies	
Cotta, Franz Schubert Agnelo da Miranda (M.A. Portuguese, Goa University)	
Portuguese Literature & Culture, Portuguese History & Culture, Brazilian Literature, Translation Studies.	
Dessai, Sangeeta R., Ph.D. (Goa University)	
Indian Travel Writing, Goan Folk Literature and Pedagogical Perspectives on Goan Literature.	
Dharwadkar, Kshama (M.A. French, Goa University)	
Translation, Linguistics, Phonetics and Mythology	-
Fernandes, Scarlet A. (M.A. in Portuguese, Goa University)	
Portuguese Language, Linguistics and Creative Writing.	
Gaonkar, Jayesh (M. A. Marathi, Goa University)	
Folklore, Goan Marathi Literature.	
Gadkar, Soniya S. (M.A. Konkani, Goa University)	
Folklore, Literary Criticism and Humour Literature.	

Special study of Konkani Novels, Konkani Folklore, Indian and Western PoeticsImage: Constraint of the systemSpecial study of Konkani Novels, Konkani Folklore, Indian and Western PoeticsImage: Constraint of the systemGaude, Manisha Chimano (M.A. Goa University) Hindi Story and Hindi Travel LiteratureImage: Constraint of the systemGhaisas, Chinmay M. (Ph. D Marathi, University of Pune) Translation Studies & Comparative Literature, Creative Writing, Professional Marathi & Grammar, Journalism & Mass Media and Marathi DramaImage: Constraint of the system Constraint of the systemGomes, Natasha (M.A. French, Goa University) French Language Teaching Methodology, Development of TLMs/ Culture Studies/ Functional French.Image: Constraint of the system Constraint of the systemMadgaonkar, Sweta Prasad (M.A. Goa University) Media & Journalism, Hindi NovelImage: Constraint of the system Constraint of the system Constraint Literature, Folk Literature, Indian Literature, Drama and Medieval Marathi Literature.Image: Constraint of the system Constraint of the system Constraint of the system Constraint of the system Constraint System SociolinguisticsImage: Constraint of the system Constraint of the system Medieval Marathi Literature.	Gaonkar, Sanika A. (M.A. Konkani, Goa University)	
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Ghaisas, Chinmay M. (Ph. D Marathi, University of Pune)Translation Studies & Comparative Literature, Creative Writing, Professional Marathi & Grammar, Journalism & Mass Media and Marathi DramaGomes, Natasha (M.A. French, Goa University)French Language Teaching Methodology, Development of TLMs/ Culture Studies/ Functional French.Govekar, Sweta Prasad (M.A. Goa University)Media & Journalism, Hindi NovelMadgaonkar, Vinay (Ph.D. Marathi, Goa University)Gaon Marathi Literature, Folk Literature, Indian Literature, Drama and Medieval Marathi Literature.Murkunde, Rama (M.A. Konkani, Goa University), M.A. Linguistics (DCPGRI, Pune) Linguistics, Translation Studies, Ferninism, Western Poetics,	Gaude, Manisha Chimano (M.A. Goa University)	
Translation Studies & Comparative Literature, Creative Writing, Professional Marathi & Grammar, Journalism & Mass Media and Marathi DramaImage: Comparative Literature, Creative Writing, Professional Marathi & Grammar, Journalism & Mass Media and Marathi DramaGomes, Natasha (M.A. French, Goa University)French Language Teaching Methodology, Development of TLMs/ Culture Studies/ Functional French.Image: Comparative Literature, Creative Writing, Prench Language Teaching Methodology, Development of TLMs/ Culture Studies/ Functional French.Image: Comparative Literature, Creative Writing, Prench Language Teaching Methodology, Development of TLMs/ Culture Studies/ Functional French.Image: Comparative Literature, Creative Writing, Prench Language Teaching Methodology, Development of TLMs/ Culture Studies/ Functional French.Image: Comparative Literature, Creative Writing, Prench Language Teaching Methodology, Development of TLMs/ Culture Studies/ Functional French.Image: Comparative Literature, Creative Writing, Prench Language Teaching Methodology, Development of TLMs/ Culture Studies, Feminism, Goa University)Image: Comparative Literature, Creative Writing, Prench Linguistics, Translation Studies, Feminism, Western Poetics,Image: Comparative Creative Writing, Prench Linguistics, Translation Studies, Feminism, Western Poetics,	Hindi Story and Hindi Travel Literature	
Professional Marathi & Grammar, Journalism & Mass Media and Marathi DramaImage: Second Secon	Ghaisas, Chinmay M. (Ph. D Marathi, University of Pune)	
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Culture Studies/ Functional French.       Image: Culture Studies/ Functional French.         Govekar, Sweta Prasad (M.A. Goa University)       Image: Culture Studies (M.A. Goa University)         Media & Journalism, Hindi Novel       Image: Culture Studies (M.A. Goa University)         Gaon Marathi Literature, Folk Literature, Indian Literature, Drama and Medieval Marathi Literature.       Image: Culture Studies (M.A. Konkani, Goa University), M.A. Linguistics (DCPGRI, Pune)         Linguistics, Translation Studies, Feminism, Western Poetics,       Image: Culture Studies (M.A. Konkani, Studies (M.A. Konkani, Studies (M.A. Konkani, Studies (M.A. Konkani, Studies (M.A. Konkani))	Gomes, Natasha (M.A. French, Goa University)	
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Madgaonkar, Vinay (Ph.D. Marathi, Goa University)         Gaon Marathi Literature, Folk Literature, Indian Literature, Drama and Medieval Marathi Literature.         Murkunde, Rama (M.A. Konkani, Goa University), M.A. Linguistics (DCPGRI, Pune)         Linguistics, Translation Studies, Feminism, Western Poetics,	Govekar, Sweta Prasad (M.A. Goa University)	
Gaon Marathi Literature, Folk Literature, Indian Literature, Drama and Medieval Marathi Literature.       Image: Constraint of the second se	Media & Journalism, Hindi Novel	
Medieval Marathi Literature.       Image: Constraint of the second	Madgaonkar, Vinay (Ph.D. Marathi, Goa University)	
(DCPGRI, Pune) Linguistics, Translation Studies, Feminism, Western Poetics,		
Linguistics, Translation Studies, Feminism, Western Poetics,		
	Linguistics, Translation Studies, Feminism, Western Poetics,	
Naik, Krupali (M.A Konkani, Goa University)	Naik, Krupali (M.A Konkani, Goa University)	
Feminism in Literatur, Bahujan Literature and Indian Literature	Feminism in Literatur, Bahujan Literature and Indian Literature	

Naik, Naresh C. (M.A. Konkani, Goa University)	
Old Konkani Literature, Creative Literature, Folklore, Literary Criticism	
Naik, Poorwa (M.A. English, Goa University)	1 Sector
English Poetry, Translation Studies, Cultural Studies, Queer Literature.	
Oliveira, Nafisa (M.A. English, LL.M. Goa University)	
Dystopian Literature, Cultural Studies, Law and Literature, Human Rights, Tanslation (Praxis) & Literature in English Translation.	
Silveira, Irene (Ph. D French, Goa University)	
French and Francophone Literature, Culture Studies, Diaspora Studies, Sociolinguistics, Didactics of French as Foreign language	
Sinai-Bhangui, Aditya Dayanand (M.A. Goa University)	
Linguistics, Hindi Grammar, Translation & Indian Poetics	
Usgaonkar, Dhruv S. (M.A. in Portuguese, Goa University)	
Portuguese as an international language, the Lusophone world/ Lusophone Africa, India-Lusophone relations, Cultural diplomacy & Soft Power.	
Vasta, Purva P. (M.A. Marathi, Goa University)	
Translation Studies, Comparative Literature, Modern Marathi Literature.	



Website Link: <u>Goa University, Goa's premier University, Post Graduation, PH.D, B.SC, M.SC,</u> <u>Research Facilities Study India Programme. (unigoa.ac.in)</u>

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### 1. RESEARCH STUDENTSHIP:

The University invites applications for Research Studentship from full-time research fellows who are registered for the Ph.D. Degree Programme in the University teaching Discipline under various Faculties, and who are not in receipt of any other scholarship/studentship, etc. The applications in the prescribed form which is available in the respective Discipline should be submitted along with certified copies of the required certificates, duly recommended by the Guide and the Head of the Discipline to the Academic PG Section. The last date to receive applications will be notified separately. For more information, you can click the following link (https://www.unigoa.ac.in/goa-university-contentarticle.php?id=71).

# Condition for the awards of Research Studentship:

- Full time Research Scholars should have at least a second class at the graduation level and obtained Master's degree by securing a minimum of 55% or equivalent grade, and or by research from Goa University, or from any other University recognized by Goa University, and whose Ph.D. registration has been confirmed.
- 2. Only those Research Scholar whose Ph.D. registration is confirmed shall be eligible to apply for the Studentship.
- 3. Full time Research Scholar holding any other scholarship are not eligible to apply.
- 4. Candidates should not have completed more than eight terms on the date of application.
- 5. In case the six monthly reports are not satisfactory, the Research Studentship is likely to be terminated.
- 6. Declaration from the candidates that they are not employed should be submitted after the issue of the sanction order.
- 7. Applications will be screened by the University Research Committee and its decision will be final.
- 8. Research Scholars shall have to sign the attendance register available in the respective School, twice every day, in the morning and in the evening.
- 9. Ordinarily the fellowship shall be for a period of two years from the date of its award. However, the fellowship may be continued for the 3<sup>rd</sup> year on recommendation of the Committee to the Vice-Chancellor for the approval subject to the following conditions:
- i. There is significant progress made by the Scholars in research work.
- ii. The applicant has published research paper/s involving her/his work in a journal in the UGC CARE list.
- 10. Research Scholars who have been awarded the scholarship are required to apply for continuation of the fellowship during the second year which will be on basis of the recommendation of their Research Guide based on the research work carried by applicant.
- 11. Research Scholars are required to return the fellowship amount paid to them by the University, in case their Ph.D. registration is terminated, or they are unable to complete the programme. Research Scholar shall be reuired to submit an undertaking to this effect.

12. Scholars selected for the Goa University Research Studentship will be entitled for 30 days leave in an academic year. Leave beyond 30 days will be without scholarship.

# 2. EDUCATIONAL LOAN SCHEME:

Educational Loan Scheme of Goa State Scheduled Castes and Other Backward Classes Finance and Development Corporation Ltd. (a Govt. of Goa undertaking), 4<sup>th</sup> floor, Patto Centre, Panaji, Goa is available for the needy students from the scheduled castes, other backward classes and handicapped categories. Students who fulfill the eligibility conditions may apply for educational loan under the scheme.

### 3. FOREIGN STUDENTS:

Foreign students desiring to take admission in Goa University and colleges affiliated to this University are required to apply through the Ministry of Human Resources Development, Discipline of Education, Govt. of India, New Delhi. A certain percentage of seats are especially reserved for foreign students at Goa University. Foreign students may also contact the Foreign Students Advisor, Goa University.

As per the student Visa policy introduced by the Government of India, the Government will grant regular Visa only to prospective college students who have firm letters of admission from Indian Universities/recognised Colleges/Educational Institutions. The recognised institutions would be those included in the list issued by the Association of Indian Universities, UGC and Ministry of Health (Medical Council of India).

Foreign students who do not have such firm letter would be given provisional student Visa by the Government of India Missions abroad only on the basis of production of provisional admission certificate issued by such recognised Universities and/or affiliated institutions. In both types of student Visa, the name of the University and the college where the students have secured admission should be mentioned in the Visa of the foreign students. **The practice of issuing 'X' Entry Visa** to prospective foreign students who do not have firm letters of admission has been discontinued.

No admission to foreign students is granted if their passport shows any type of Visa other than students/provisional student Visa. Students having 'X' Entry Visa have to go back to their countries even if they get admission in Indian Universities etc., at the expiry of the initial period of stay allowed in their original Visa. Hence, under no circumstances, a change of purpose of visit to India will be allowed. Nor any change of institution (other than that mentioned in the student's Visa/provisional student's Visa) will be allowed. A foreign student will be permitted to take admission at this University on the basis of a Visa granted to study at this University.

Foreign students may contact Khanapuri, Harip R., Goa Business School, Director,

Directorate of Foreign Students (DFS)E-mail: harip@unigoa.ac.in Ph. 7030966086 for necessary guidance.

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The following Awards/Scholarships/Prizes/Medals have been instituted for students securing highest marks in the qualifying examinations of the PG Programmes.

Shen	oi Goembab School of Languages & Literatures	
1	Shri Venkatesh Govind Sinai Virginkar Prize	M.A. French
2	Shri Megha Shyam Parshuram Deshprabhu Parithoshik	M.A. French
3	Shri Megha Shyam Parshuram Deshprabhu Parithoshik	M.A. Portuguese
4	Finalists Do Setima Ano Do Liceu – 1957 Gold Medal	M.A. Portuguese
5	Francisco Correia Afonso Memorial Prize	M.A. English
6	Fr. Victor Joao Gualberto Anes and Arnaldo Tome Berta Epifanio Anes Prize	M.A. English
7	Dr. Harishchandra T. Nagvenkar Prize	M.A. Konkani
8	Late Adv. Lakshmikant V.S. Talaulikar Prize	M.A. Konkani
9	Late Shri Dilip Kumar Rayu Prabhu Mahambre Gold Medal (4 Medals)	M.A. Konkani
10		
11	Late Smt. Rukminibai & Late Baburao Wader Memorial Prizes	M. A. Marathi
12	Late Professor Dattaram Anant Ambiye sponsored Sant Sohirobanath Ambiye Prize	M. A. Marathi
13	Uttaranchal Sanskritik Mandal Goa Scholarship	M.A. Hindi
14	Shri. Prabhakar Shejwalkar Gold Medal	M.A. Hindi
D.D.	Kosambi School of Social Sciences & Behavioural Studies	
15	Shri Megha Shyam Parshuram Deshprabhu Parithoshik	M.A. History
16	Dr. Vithal R. Mitragotri Memorial Prize	M.A. History
17	Dr. P.R. Dubhashi Award	M.A. History
18	Late Shri Anant Ramkrishna S. Dhume Gold Medal	M.A. History
19	Late Shri Dilip Kumar Rayu Prabhu Mahambre Gold Medal (4 Medals)	M.A. Political Science
20	Dr. P.R. Dubhashi Award	M.A. Political Science
21	Dr. P.R. Dubhashi Award	M.A. Sociology
22	Late Shri Dilip Kumar Rayu Prabhu Mahambre Gold Medal (4 Medals)	M.A. Sociology
23	Fr. Victor Joao Gualberto Anes and Arnaldo Tome Berta Epifanio Anes Prize	M.A. Sociology
Scho	ol of Biological Sciences & Biotechnology	
24	Late Shri Dilip Kumar Rayu Prabhu Mahambre Gold Medal (4 Medals)	M.Sc. Botany
25	C. X. Furtado Gold Medal	M.Sc. Botany
26	Department of Zoology Gold Medal	M.Sc. Zoology
27	C. X. Furtado Gold Medal	M.Sc. Zoology
28	Zoology Department Prize for Ph.D Research paper	Ph.D Zoology
29	Late Dr. Leo Mackensen Barros Gold Medal	M.Sc. Marine Biotechnology
30	Satyajit Kerkar Gold Medal	M.Sc. Marine Biotechnology
31	Prof. N.C. Nigam Memorial Gold Medal	M.Sc. Microbiology
Scho	ol of Physical & Applied Sciences	
32	Prof. D. B. Wagh & Hira Wagh Fund	M.Sc. Mathematics
33	Fr. Victor Joao Gualberto Anes and Arnaldo Tome Berta	M.Sc. Mathematics

34	Late Smt. Laxmi Narayan Shet Narvekar Prize	M.Sc. Mathematics
35	Finalists Do Setima Ano Do Liceu – 1957 Gold Medal	M.Sc. Mathematics
36	Yeshwant Govind Kamat Prize	M.Sc. Mathematics
30	Prof. D. B. Wagh & Hira Wagh Fund	M.Sc. Physics
57	FIOL D. B. Wagii & filla Wagii Fullu	IVI.SC. PHYSICS
38	IV SERC School in Physics Gold Medal	M.Sc. Physics
39	Tasneem Fazal Gold Medal and cash prize	M.Sc. Physics
40	IV SERC School in Physics Gold Medal	M.Sc. Electronics
Scho	ol of Sanskrit, Philosophy & Indic Studies	
41	Dr. P.R. Dubhashi Award	M. A. Philosophy
42	Late Shri Dilip Kumar Rayu Prabhu Mahambre Gold Medal (4 Medals)	M. A. Philosophy
Man	bhar Parrikar School of Law, Governance & Public Policy	
43	Late Mr. V.M. Salgaonkar Gold Medal	M.A. Law
44	Prof. V.S. Mallar's Gold Medal in Constitutional Law	M.A. Law
45	Prof. Dr. V. B. Coutinho Gold Medal	M.A. Law
46	Late Hirba Morto naik Gold Medal	M.A. Law
40	Nani A. Palkhivala Memorial trust-Gold Medal	M.A. Law
	ol of Chemical Sciences	IVI.A. Law
		M.C. Increasio
48	Xth Indian Council of Chemistry Conference	M.Sc. Inorganic
49	Award of prize by Former Department of Chemistry	M.Sc. Inorganic
50	Sygenta Scholarship	M.Sc. Inorganic
51	Xth Indian Council of Chemistry Conference	M.Sc. Organic
52	Award of prize by Former Department of Chemistry	M.Sc. Organic
53	Sygenta Scholarship	M.Sc. Organic
54	Prof. S.K. Paknikar Research & Educational Trust Endowment	M.Sc. Organic
55	Xth Indian Council of Chemistry Conference	M.Sc. Physical
56	Award of prize by Former Department of Chemistry	M.Sc. Physical
57	Sygenta Scholarship	M.Sc. Physical
58	Prof. S. K. Paknikar Research and Educational Trust Prize	M.Sc. Organic Chemistry
59	Award of Gold Medal by Former Department of Chemistry	M.Sc. Analytical Chemistry
60	Coca-Cola Gold Medal	M.Sc. Chemistry
61	Coca-Cola Cash Prize	M.Sc. Chemistry
62	Francis Simon Cabral Gold Medal	M.Sc. Chemistry
Goa l	Business School	
63	EDC Gold Medal	MBA
64	Shrimati Malati Chauhan & Shri Shivdayal Singh Chauhan Memorial Gold Medal	МВА
65	Late Shri. Janardan Gopal Thaly Memorial Gold Medal	M.B.A. (Financial Services)
66	Rotary Club of Panaji Scholarship	MCA
67	CSI, Goa Chapter - Gold Medal	M.C.A.
68	Late Miss Kavita Devraj Anand Prize	M.Com.
69	Jindal Jubilee Gold Medal	M.Com.
70	Coca-Cola Gold Medal	M.Com.
71	Coca-Cola Cash Prize	M.Com.
72	Coca-Cola Gold Medal	M.Com.
72	Fr. Victor Joao Gualberto Anes and Arnaldo Tome Berta	M.Com. in Accounting &
, ,	Epifanio Anes Prize	Finance
74		
74	Prof. G. D. Parikh Memorial Scholarship	M. A. Economics
75	Dr. P.R. Dubhashi Award	M. A. Economics
76	Late Shri Dilip Kumar Rayu Prabhu Mahambre Gold Medal (4 Medals)	M. A. Economics
77	Late Dr. G. V. Kamat Helekar Prize	M. A. Economics

78	Prof. Daleep Singh Research Scholarship	Ph.D. in Economics on a topic relating to a former Portuguese Colony in Africa, particularly Angola and Mozambique.	
School of Earth, Ocean & Atmospheric Sciences			
79	Dr. Vijay Narayan Kadagali Gold Medal	M.Sc. Marine Science	
80	Dr. V. V. R. Varada Chari Gold Medal	M.Sc. Marine Science (Specialization in Oceanography)	
81	Prof. F. B. Antao Gold Medal	M.Sc. Earth Science	

Note: More details about the qualifications for the award of the above prizes/awards may be obtained from the Academic (PG) Section of Goa University.

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# (a) Digital Learning and Initiatives (DDLI)

Goa University has set up Distance Education, Information and Training Infrastructure (DEITI) funded by Distance Education Council (Govt. of India) under Ministry of Human Resource. The set up is meant to cater distance education to the people of Goa through the satellite technology. There are 25 DRS (Direct Reception System) centres set up at selected Colleges and Higher Secondary Schools covering all 12 Talukas.

The DEITI is well equipped with its state-of-the-art studio having all kinds of facilities of audio-video recording and editing. The DEITI also organizes live interactive Programmes where the students and teachers interact with the Resource persons on the specific subject. The studio facility is also made available on commercial basis for indoor/outdoor shooting, recording and editing at reasonable rates.

#### Directorate of Digital Learning and Initiatives (DDLI): Priolkar, Kaustubh. R. S. Director

Email - krp@unigoa.ac.in, Ph.: 8669609210

### (b) Study India Programme (SIP)

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

# c) Study Japan Programme (SJP)

Goa University offers a one month Study Japan Programme as part of its student exchange Programme with College of International Relations, Nihon University Mishima, Japan. The course includes a 40 hour module on Japanese Society, Culture, Business and International Relations, which introduces the students to the various facets of Contemporary Japan. Apart from doing sessions along with the students of Nihon University, the students are also taken to field trips to various important locations in the vicinity of Mishima. The objective of the Programme is to provide students international experience and get them acquainted with diverse aspects of the Japanese culture and practices, which would help them in their overall perspective and personality building. Partial scholarships are also

offered to five students who are selected each year after a due screening process. The announcement for the Programme usually come in January every year. So far five batches of students have availed of this Programme.

# Coordinator:

Somayaji, Ganesha, D.D. Kosambi School of Social Sciences and Behavioural Studies. Email - ganesh@unigoa.ac.in, Ph.: 8669609153

# Co-coordinator:

Tripathi, Rahul, D.D. Kosambi School of Social Sciences and Behavioural Studies. Email - <u>rmt@unigoa.ac.in</u>, Ph.: 8669609149

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#### **FACILITIES & OTHER ACTIVITIES**

a) Library: The Goa University Library and Information Centre was set up on 30th of June 1985 around the nucleus of the Library of the Centre for Post Graduate Research and Instruction, University of Bombay. The initial collection numbered 37,678 books and several bound volumes of periodicals. Today, our holdings have crossed 1,55,000 books covering a wide range of disciplines under Humanities, Social Science and Pure and Applied Sciences Especially Microbiology, Marine Science, Environmental Science, Computer Science, Geology, Management and other disciplines including a special collection on Latin America and The Caribbean. The Library also has a large collection of titles in Konkani, the state language of Goa and a foreign language section which includes titles in Portuguese, French and Spanish. Our Library acquires around 3000 books and over 350 periodicals every year. It also receives more than 150 periodicals gifted by various organisations and institutions. Goa University Library is a designated Repository Library of United Nations' publications since 1996.

In addition to these, our Library has a collection of rare books on Indo-Portuguese History and Culture donated by the late Dr. P. S. S. Pissurlekar (about 5000 books in various Languages). Mr. Nuno Gonsalves of Portugal and numerous others have donated their collections to the University for the use of scholars of Goa and the neighboring regions. A bibliography of these resources is currently available in print form. The Goa University Library is the single largest centre of academic resources in the State of Goa and caters not only to the needs of the academic community of the state but also serves many scientific, historical and social science researchers from neighboring States.

#### 1) Our Automated Services:

With the successful completion of computerising the database of bibliographic details and automating its services our Library is on the threshold of embarking on its new role that of an information resource centre at the service of the academic community of this region, in addition to its traditional function of holding and disseminating of books.

#### 2) Library Website:

The Library website is available under the url <u>http://library.unigoa.ac.in</u>This website has a Knowledge Portal which links to the various online e-resources subscribed as well as free for the use of the students and faculty. The e-resources provided by the INFLIBNET Centre Ahmedabad are available through the library website. Faculty and students get access to various full text and bibliographic databases through the UGC Infonet Digital Library link in the knowledge portal. There are federated search engines like <u>https://www.unigoa.ac.in/facilities/library.html</u> available for searching the library resources.

The Library also supports the maintenance of the University Repository which is available at <a href="http://irgu.unigoa.ac.in/drs/">http://irgu.unigoa.ac.in/drs/</a>

### 3) Library Catalogue:

The Library has presently 1,80,898 books and its bibliographic details are stored in an Open Source software KOHA in a designated server at the Computer Center of the University. This database is now available on the Internet under the url<u>http://libcat.unigoa.ac.in/</u>Students and Faculty can check the availability of books, reserve books and check the renewal dates through the interface available globally.

## 4) Electronic Theses and Dissertations:

The Goa University has already started submitting Ph.D theses in digital format to the National ETD

Project "Sodhganga" which is available under the url<u>http://shodhganga.inflibnet.ac.in/handle/10603/6586</u>

### 5) Computer Lab and Cyber Centre:

The University Library has a Computer Centre and Cyber Lab for browsing the Internet. At present 50 computers are connected to the Internet with the 1 GB bandwidth connectivity provided by the National Knowledge Commission.

#### 6) Library Timings:

Week days : 9.00 A.M. To 6.30 P.M., Saturdays: 10.00 A. M. To 5.00 P.M.

Contact Person: Desai, Sandesh B., Email - librarian@unigoa.ac.in, Ph: 8669609012

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# (b) EARTH SCIENCE AND TECHNOLOGY CELL AND CENTRE OF EXCELLENCE IN MARINE MICROBIOLOGY

Earth Science and Technology Cell in the field of Marine Microbiology was established at Goa University in January, 1998 with the support of Discipline of Ocean Development, New Delhi, which is now merged with the Ministry of Earth Sciences. The objectives of the Cell and the Centre are to strengthen academic and scientific work in the area of Earth, Ocean Sciences and Marine Microbiology through projects/workshop/seminar. The Cell functions under the guidance of the Management Board constituted by Ministry of Earth Sciences with Vice Chancellor, Goa University, as the Chairperson.

#### (c) UGC – MALAVIYA MISSION TEACHER TRAINING CENTRE (UGC-MMTTC)

"This Centre has been functioning at the University campus since 1988 and is regularly conducting the required Faculty Induction Programme, Refresher and other Programmes for the Teaching Faculty at PG Discipline and affiliated Colleges/Institutes of Goa University and other Universities in the country. Being one among similar colleges set up and funded by the UGC in different Universities, this Centre has played a major role in the training of University/College teachers in a commendable way. The activities of the Centre have been further focused to include Internet/specialized subject-specific software as an integral part of Faculty Induction Programmes."

In-charge Director: Sirsat, Rajendra N. Email- hrdc@unigoa.ac.in, Ph: 8669609169

### (d) UNIVERSITY SCIENCE INSTRUMENTATION CENTRE (USIC)

University Science Instrumentation Centre (USIC) is a central instrumentation facility of the university consisting of Electronics, Mechanical and Glass Blowing workshops managed by faculties, officers and trained technicians. Energy Dispersive X-Ray Analysis (EDX), referred to as EDS or EDAX has been installed as a part of the Scanning Electron Microscope (SEM) at USIC. EDS is an X-ray technique used to identify the elemental composition of materials. In addition to this, SEM facility can be used for Image morphology of samples, Image compositional and some bonding differences, Undertake micro and nano lithography and so on. The centre was established in 1990 during Eighth- five-year plan period with an independent building having 250 sq. meters, housing all three workshops. The main aim is to strengthen the laboratories of user Discipline by way of equipment maintenance, calibration of test and measuring instruments, fabrication of gadgets and instruments, attachments required for some imported instrument so as to adapt them to Indian electrical standards etc. The Glass Blowing workshop is mostly involved in design and fabrication of glass apparatus as per the design submitted by researchers, which are otherwise not available generally in the market and repair of costly glass apparatus. The work undertaken by USIC can be broadly classified as analytical services for sophisticated instruments, maintenance of equipment for Languages and Science Laboratory, fabrication of teaching aids, development of new instruments, thus covering entire objective of USIC.

#### **Facilities:**

Carl-Ziess Scanning Electron Microscope (SEM), Ametek EDAX/EDS System, High Vacuum Diffusion Pump, High Temperature Furnaces, Milling Machine, Lathe Machine, Drilling Machine etc.

# **Staff/Faculties:**

# Coordinator: Narayan T. Vetrekar

Email - vetrekarnarayan@unigoa.ac.in , Ph: 8669609219

Technical Officer-I Shri M. G. Lanjewar Phone No (Off) :8669609223 Email : madhusudan@unigoa.ac.in

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# (e) REMOTE SENSING LABORATORY

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

Coordinator: Menon, Harilal B. Email - hbmenon@unigoa.ac.in, Ph: 8669609233/001

#### (f) Materials Characterization Laboratory

Goa University has set up a University Laboratory for Materials Characterization (ULMC) with assistance from Rashtriya Uchchatar Shiksha Abhiyan (RUSA) for researchers from the University campus, affiliated colleges and other research institutions.

The laboratory consists of state of the art facilities like X-ray Diffractometer, Raman Spectrometer, GC×GC and TOF Mass Spectrometer and SQUID magnetometer. In addition, it also has a liquid nitrogen production facility which will supply liquid nitrogen to the users. Instrument time will be available on prior booking and payment basis.

Coordinator: Priolkar, Kaustubh. R. S. Email - krp@unigoa.ac.in, Ph.: 8669609210

#### (g) COMPUTER CENTRE, CAMPUS NETWORK AND INTERNET FACILITY

All the Discipline of the University are connected with a 1 gbps Fibre Optic backbone. The connectivity is distributed using cat 6 UTP, designed using Structured Cabling standards. Each Discipline is on a separate Vlan with routing through L3 switches, placed at distribution level in each building. All the faculties are equipped with Computer established a wireless network connectivity, connecting hostels, guesthouses, staff quarters and all the faculty buildings, providing 24X7 internet services. The facility is secured through a world class UTM (Universal Threat Management) hardware firewall and the wireless is maintained using a controller based hardware device. The internet facility is provided through 1 gbps 1:1 Internet Lease Line (ILL) from NKN, and a 100 mbps 1:1 ILL through a Private Operator. Both the links are working in aggregation mode with failover switching.

The Goa University Centre in houses, a Smart Cabinet based mini Data Centre, which provides Super Computing, Parallel Processing and Deep Learning facilities through PARAM (shavak), Super Computer from C-DAC. Softwares like installed on our computers, assist the students and teaching community in their research, learning and administrative activities. The Goa University also provides End Point Security (Antivirus, Legal version) to students on request. Computer Centre also extends its resources to teachers, students and research scholars, providing training, DTP, Printing and Computing facilities. Computer Centre is responsible for providing all the IT facility to the University.

Contact Person: Bandodkar, Sanjay. Email - hocc@unigoa.ac.in, Ph: 8669609015

# (h) IPR Unit

A Committee has been formed to examine all matters pertaining to Intellectual Property Rights of Goa University. The members of this Committee are: J. A. E. Desa (Physics), B. F. Rodrigues (Botany) and V. S. Nadkarni (Chemistry). It is currently working towards establishing a system in which all University members can be regularly advised on the patentability of their work/ideas. The unit will also set up a database of published academic work of the scholars of Goa University. In January 2006 the Mumbai Patent office awarded an Indian Patent to Goa University. The first inventor is one of the faculty members of Goa University.

# (i) CAREER COUNSELLING & PLACEMENT CELL

Goa University has established a Career Counseling& Placement Cell with a view to counsel students especially with regard to emerging careers, impart them soft skills and act as an interface between the industry and the students. The objectives of the Cell are:

I. To disseminate information on placement avenues in academia/industry/research institutions.

- II.To conduct training/ workshops in soft skills with a view to prepare students for the rigours of screening tests, group discussions, personal interviews, etc.
- III.To conduct seminars, workshops on emerging professions, professionalism, leadership, entrepreneurship, etc.

IV.To act as an interface between industry and the students and facilitate industry-institution linkages.

V.To facilitate campus-based placement activity.

The Cell facilitates pre-placement and placement activity both on and off the campus and invites industrial/commercial establishments to avail the services of the Cell for campus placements.

# (j) GOA UNIVERSITY ALUMNI ASSOCIATION, GOA (GUAAG)

Goa University Alumni Association enrolls ex-students of Goa University as well as erstwhile students of Centre for Post Graduate Instruction and Research (CPIR) as life members with a membership fee of Rs. 1000/-. The objective being not only to revive nostalgia amongst alumni from various disciplines but to also foster exchange of views and ideas with its alma mater and students and ultimately to be beacon to the State. To register click the link here <a href="https://www.unigoa.ac.in/a/registration.html">https://www.unigoa.ac.in/a/registration.html</a>

# Contact Person: Patre, Rupesh., Director; Email: <a href="mailto:alumni@unigoa.ac.in">alumni@unigoa.ac.in</a>, Ph.: 7030965976

# (k) NATIONAL SERVICE SCHEME (NSS)

The NSS Cell, Goa University is very active with 33 Colleges having 128 NSS units and 1 College having Self finance NSS Unit.

Sawant, Nitin., Assistant Professor, is a N.S.S. Coordinator of NSS Cell, Goa University since 2021.

The NSS Cell, Goa University supervises the N.S.S. activities carried out by all the 34 affiliated colleges including self finance N.S.S. units of one College.

The total no. of students registered as N.S.S. volunteers by all the N.S.S. units are around 12300.

Every N.S.S. volunteer has to put in 240 hours of social work in 2 years and attend one Seven Days Residential N.S.S. Special Camp.

Some of the prominent activities carried under the supervision of the N.S.S. Cell, Goa University are International Day of Yoga, Swachhta Pakhwada(01<sup>st</sup> August to 15<sup>th</sup> August), Mahatma Gandhi Celebration, Poshan Maha, Ek Bharat Shresth Bharat Abhiyaan, working in adopted village, Blood Donation Camps, Medical Health Check-up Camps, Tree Plantation (Vanamohatsav), Celebration of Constitution Day, FIT India Walkathon/Cyclothon, Swachhta Pakhwada (16<sup>th</sup> January to 31<sup>st</sup> January), National Road Safety Week, Celebration of National Girl Child Day, Celebration of National Voters Day, Celebration of International Women's Day, Poshan Rally, Rallies on other social issues, Programmes on Disaster Management, Self Defense for Girl Child, Distribution of IEC Materials, Distribution of iron and/folic Acid Tablets, Cleaning of Schools and colleges, Cleanliness drive to clean street and common places, Shramadan Programme, Programmes on Conservation of water/ Water Harvesting/ watershed development, etc.

Besides Regular N.S.S. activities the N.S.S. volunteers also participate in National Integration Camps, Adventure Camps, Pre-Rd camps, RD Parade.

The affiliated colleges under the supervision of N.S.S. Cell, Goa University also organises Seven days Residential N.S.S. Special Camps every year.

The N.S.S. Advisory Committee of Goa University holds N.S.S. Advisory Committee meeting atleast twice in a year to review the activities undertaken by the N.S.S. units of the affiliated colleges under the overall supervision of N.S.S. Cell, Goa University.

Co-ordinator: **Sawant, Nitin.,** Discipline of Zoology, Goa University. Email - <u>unigoanss@gmail.com</u>, Ph.: 8669609067

### (I) COLLEGE DEVELOPMENT COUNCIL

The College Development Council of Goa University is a liaison between affiliated colleges and the University Grants Commission (UGC). It makes available information to the colleges about the various grants available for development from UGC and other institution.

The College Development Council also conducts programs and activities for the colleges in association with the Directorate of Higher Education in the interest of enhancing the quality of Higher Education in the state.

**Coordinator: Bhave, Bhushan,** Principal, Vidya Prabodhini College of Commerce, Education, Computer & Management, Alto Porvorim, Goa.

Email - <u>bhushanbhavegoa@gmail.com</u>, Mob:9673123355

# (m) INTERNAL COMMITTEE:

An Internal Committee (IC), which includes female students, has been constituted at the University, with members drawn from the teaching faculty, student community, administration and a nominee of Goa State Women's Commission. As and when required the Committee works in collaboration with the Directorate of Students' Welfare (DSW) for the benefit of the students in general and with the Centre for Women's Studies for the benefit of the female employees. Functions of the Committee relate to sensitisation regarding the need for the prevention of sexual harassment of women, crisis management & mediation, redressal and reporting, in addition to the dissemination of necessary information to the needy. The students and parents can promptly get in touch with the Chairperson or the Director of DSW in case of any emergency. IC conducts annual Sensitisation Programme for creating a harassment free, healthy inter-gender atmosphere on the campus across the student community, the faculty, the employees and other residents on the University campus.

# Presiding Officer:

Purva G. Hegde-Desai. Email - iccgu@unigoa.ac.in, Ph: 8669609279

# (n) HOSTEL ACCOMMODATION DETAILS:

#### A HOSTEL ADMISSION

1. Students who are admitted to the Post Graduate Discipline of Goa University shall be given first priority for admissions to the hostels. Research Scholars working in different R&D project of University Programme students registered for Ph.D. Degree in Goa University shall be given hostel facility subject to availability of vacant rooms. Applications of such students shall be forwarded through the concerned Principal Investigator/Supervising teacher and the Head of the Discipline to the competent authority of the University.

**2.** Admissions to the Hostel and allocation of rooms to students shall be at the discretion of the competent authority of the University.

**3.** An application for hostel accommodation should be submitted to the Hostel Warden in the prescribed form (which is available with the information bulletin) on payment of Rs. 25/-. The duly filled form should be submitted appended with:

a) One recent passport size and one Identity card size photograph.

- **b)** A copy of fee receipt from the University/College for the course for which admission has been secured.
- **c)** Certificate of health from a competent medical authority as notified by the Hostel authority. Foreign students should produce contagious diseases - AIDS free - certificate.
- **d)** A Character Certificate from the previous institution where the student was studying.

e) Residence proof copy (Residence Certificate/Aadhar card).

- f) Students who apply for admission to the Ladies' Hostel shall submit a list of residential addresses and contact numbers of persons whom the student may visit or stay with when permission for 'night out' is obtained. This list should be signed by the parent(s).
- **g)** For girl students seeking accommodation in the hostel, the local guardian/parent should meet the Warden when the student occupies the room for the first time.

**4.** Applications from new students should reach the office as per the notification issued by the Warden at the beginning of the academic year. In case of registered Ph.D. student, the hostel admission will be granted up to March (for those taking admission in January) and up to September (for those taking admission in July) every year. However, research scholars in different R&D projects will be given hostel accommodation as and when they join the particular Discipline of the University subject to availability of rooms.

**5.** In case of PG students, admission will be granted for only one year at a time. Although every effort will be made to accommodate all eligible students in the Hostel, no student can rightfully claim automatic admission for the subsequent year. However, in case of registered Ph. D. student's/research scholars, admission to the subsequent year will be on the basis of the satisfactory report of Discipline research committee forwarded by Head of the Discipline and by the Dean of the concerned faculty to the chief warden.

**6.** For re-admission, the application form, duly forwarded by the HOD and with a copy of Dept. fees challan, should reach the Warden's office when hostel admissions are notified.

**7.** A student should occupy the room allotted to her/him within seven days, failing which admission to the hostel shall stand cancelled.

**8.** Students will be permitted to stay in the hostel for a maximum of five days after the last day of her/his final examination or the semester, whichever is later. In special cases where a student is required to extend her/his stay at the hostel till 31st May, a request for extension substantiated with valid reasons, shall be forwarded through the HOD for consideration of the Warden. Those who are overstaying will be charged at the rate of Rs. 50/- per day and this to be paid vides bank challan.

## 9. FEES:

**Note:** The fees applicable at present are given below. However, the University administration reserves the right to revise this fee structure from time to time and such revised fees shall be applicable.

a)	Application form and processing	₹ 25.00
	Rent to be paid by PG Degree students.	

b) Accommodation fee for two terms	
Master Degree program	₹ 6,000.00
(Shared accommodation)	

c) Rent to be paid by Research scholars and scholars registered for Ph. D. Degree

1) Full HRA will be deducted from Research scholars who are availing fellowship along with HRA as a separate component.

2) Research scholars availing fellowship as a consolidated amount (without any separate component of HRA)
 ₹ 1000.00 P.M.

3) Scholars registered for Ph.D. Degree and not having any fellowship. In such cases hostel rent for the entire year needs to be paid in advance. ₹ 1000.00 P.M.

d)	Caution Deposit (Hostel Deposit) (Refundable)	₹ 3,000.00

- e) Fine per day for late payment of fees ₹ 10.00
- f) Fees per day for short duration stay of less than 25 days

(For Goa University students only)	₹75.00
g) Special Fees per day for Summer research students	₹25.00
Caution deposit (short stay <25 days)	NIL
Caution deposit (long stay ≥25 days) (Refundable)	₹ 3,000.00

#### h) Issue of any Certificate

**10.** No fees paid in connection with the hostel admission, except the Caution Deposit, will be refunded or adjusted. However, under certain extra-ordinary and genuine situations, the competent authorities may consider the same, entirely at their discretion.

**11.** Regular students of Goa University shall not be permitted to reside at the hostel on daily payment basis. However, students seeking temporary stay during sports events, "Plateaunica", research field trips etc. shall be permitted to stay in the hostel on daily basis with the prior payment of the fees and approval of the Convener, Hostel Management Committee. Such facility may be availed by a student only once during an academic term and subject to maximum period of stay is 15 days.

**12.** Annual hostel fee is to be paid in one installment at the time of admission. Cases of students of MBA (Part - II) and MCA (Part - III) who intend to vacate the hostel for an internship will be dealt with in accordance with the rules and regulations of the University in force at that time.

**13.** Students admitted to the Hostel shall accept the room allotted to them by the Warden. The Warden reserves the right to re-allocate rooms during the term, if the situation so demands.

# **B. HOSTEL DISCIPLINE RULES:**

(Rules detailed below are not exhaustive and may be amended by the University from time to time. Such amendments will be notified on the Hostel Notice Board.)

1. Hostel residents are required to observe the hostel rules and regulations including the GU Disciplinary Rules 2018 as well as the directives issued by the Warden or the Hostel Management Committee from time to time.

2. Before occupying the room, the resident should inspect all items carefully. If any damage is caused at a later stage, the resident shall be held responsible and necessary charges for the same shall be recovered from her/him.

3. All inmates of the Hostel are required to produce their University Identity Card /Hostel Identity Card before the security personnel while entering the Hostel.

4. Silence hours for study must be observed from 10.00 p.m. 8.00 a.m. No loud music should be played in the hostel.

5. Incoming telephone calls are permitted only from 8.30 a.m. to 10.00 p.m. Not more than three minutes should be used for an incoming call.

6. Women students should sign the Hostel register (kept at the Hostel entrance) before 8.00 p.m. (In case PG students) while in case of research students the timing is 8.30 p.m. Students with late pass should sign the register while entering the Ladies Hostel at night.

7. No girl student will be allowed to spend a night out or enter late after 8.00 p.m. in the hostel without a written request from the Parent or the Local Guardian.

8. For academic assignments, "Late Night Pass" on daily basis will be issued by the Warden to girl students on the basis of the recommendation of the HOD / Research supervisor / Project Supervisor.

9. Parents may be received at the Women's Hostel between 4.00 p.m. and 7.00 p.m. on weekdays and from 9.30 a.m. to 11.00 a.m. on Sundays and Public Holidays. Visitors are expected to wait in the 'Visitors' Room' and are not permitted to enter the hostel rooms or the common room.

10. The inmates shall maintain a high standard of personal hygiene and cleanliness. Misuse of bathrooms and toilets is a social offence and should be strictly avoided.

11. Use of electrical appliances such as Hot Plate, Immersion Heater, etc. is strictly prohibited. Cooking inside the rooms is also prohibited. Students violating this clause will be liable for payment of fine up to Rs. 1000/-.

12. All the facilities existing in the hostel should be utilized in a proper manner. The residents shall take care of University property, especially water coolers/ purifiers, geysers, on-off switches, etc. If any misuse of the said facility is observed, a general fine shall be paid by each resident as determined by the Warden, based on the damage caused to the hostel property.

13. Before vacating the Hostel, the student should intimate the Warden and obtain a "NO DUES CERTIFICATE". The application in prescribed form for refund of hostel Caution Deposit should be handed over to the Warden along with the cupboard keys at the time of vacating the Hostel Room.

14. Students going home on holidays or temporarily not residing in the hostel for more than 5 days should inform the Warden about the same in advance and hand over the keys of the room to the hostel authorities.

15. Disfiguring of walls by sticking posters, paintings etc. in the hostel is strictly prohibited. Similarly, no tampering with the electrical systems, study desk, ward-robes etc. will be permitted. A fine of Rs. 100/- per incidence of indiscipline or as given in The Goa University Students' Discipline and Conduct Rules 2018 shall be charged and if same is not paid within 7 days, it shall be deducted from caution deposit. Fans, tube lights etc. should be switched off when not required.

16. During repair and maintenance of the rooms/hostel, the inmates shall cooperate with the authorities and if required, the student may be asked to shift to a different room, as per the availability.

17. Smoking is strictly prohibited within the University campus. Possession or Consumption of liquor/drugs and indulging in any other unlawful activity is STRICTLY PROHIBITED in the hostel premises. Students are also not permitted to enter the hostel after consuming alcohol outside the campus.

18. Students are advised not to leave valuables such as gold ornaments, mobile phones, cash, etc. in their rooms. No complaint will be entertained in case of loss/theft.

19. The Chief Proctor and/or Warden is authorized to inspect the hostel rooms any time without giving any prior notice.

20. No student will be allowed to change an allotted room without the consent of the Warden. Students found violating this rule shall be liable for disciplinary action.

21. Students shall not entertain non-hostelite students or outsiders in their room. Hostelite students violating this clause will be liable for disciplinary action as specified in The Goa University Students' Discipline and Conduct Rules 2018. And if same is not paid within 7 days, it shall be deducted from caution deposit.

22. Ragging in any form is strictly prohibited. Ragging is a cognizable offence and any student indulging in such behavior will be dealt with severely in accordance with the guidelines of the Hon'ble Supreme Court of India and provisions of the Goa Prevention of Ragging Bill 2007.

Possible punishments for those found guilty of participation in or abetment of ragging include:

a. Cancellation of admission.

- b. Suspension from attending classes.
- c. Withholding / withdrawing scholarship/fellowship and other benefits.
- d. Debarring from appearing in any test/examinations, etc.
- e. Withholding results.

f. Debarring from representing the University in any international meet, tournament, youth festival etc.

- g. Expulsion from the hostel.
- h. Expulsion from the University and consequent debarring from admission to any other institution.

i. Fine up to Rs. 8000/-

j. Rigorous imprisonment.

23. Any hostel inmate found guilty of misconduct or breach of the above rules or of gross indiscipline or who is found to be a bad influence on other resident students, is liable to be expelled forthwith as per the provisions of The Goa University Students' Discipline and Conduct Rules 2018.

24. Ph.D. students/research scholars in R&D projects, who are employed shall not be granted admission to the Hostels. Any research students who take up employment after being admitted to the Hostel will be required to immediately notify the warden of the same and to vacate the Hostel within 7 days of taking up employment.

25. The Chief Proctor and/or chief warden reserves the right break open rooms in case of any suspected violation of hostel rules, suspected unlawful activities or on the basis of security risk perceived.

26. Once a student vacates the hostel, s/he will not be re-allotted hostel accommodation for a minimum period of 6 months. Every attempt will be made to provide hostel accommodation to all students.

27. Pets of all kinds are prohibited inside the hostel. Feeding stray dogs or cats in the hostel premises is not permitted.

28. All instructions/notices displayed on notice boards will be deemed to have been read by all residents and excuses for non-compliance of such instructions and notices will not be accepted. Residents are advised to look at the notice board everyday to acquaint themselves with latest information/orders.

29. Plastic Free Zone: Goa University campus is a 'Plastic Free Zone'. Residents should ensure that plastic bags are not used for any purpose whatsoever.

30. Vehicle and Parking: All hostelites are directed not to park their 2-wheelers in front of the entrance. The same should be parked in the designated parking shed/parking lot and should not be obstructing normal movement around the hostel.

Note: The hostelites shall note that in event of any misconduct or indiscipline or ragging in the hostel or for the purpose of maintaining discipline, the provisions of '<u>The Goa University Students' Discipline</u> <u>and Conduct Rules 2018</u>' shall be applicable.

# C. MESS CHARGES

1. It is mandatory for hostel inmates to join the hostel Mess. All students taking admission to the hostel shall have to pay the Mess charges as applicable for FULL YEAR in advance, along with payment

of the hostel fees. It may be noted that a student shall be admitted to hostel only after full payment of hostel fees and mess fees as above.

2. Local students who may prefer to go home at the weekends are offered the option to pay Mess charges on the basis of only five days, week (i.e., excluding Saturday and Sunday).

3. Students shall not make any direct payment to the Mess contractor for the standard meals.

Evening tea/snacks are not included in the Mess charges and the students shall be required to pay 4. towards such facilities availed, if any, directly to the Mess Contractor.

5. Mess will remain closed during the Breaks and Vacations notified in the University Handbook for the year. During vacation and holidays food will be provided on prior payment to the Mess Contractor.

Students who are officially required to stay away from the hostel for the purpose of research 6. /sample collection, field trip, etc. for a period of minimum 3 days at a time shall be granted leave of absence from the Mess, provided such a request for exemption is certified by the Head of the Discipline /research supervisor and submitted to the warden at least 5 days in advance. In such cases the Mess fees shall be adjusted against pending Mess payments.

7. Due to annual process of tendering, in case, the catering service has to be re-tendered, difference in amount of fee collected shall have to be borne by the hostel students.

For details about the hostels, please visit the hostel webpage on Goa University website: Goa University: Hostels/Mess (unigoa.ac.in)

Hostel and other fees are subject to revision.

Application Forms for Hostel Accommodation, along with the information bulletin, may be obtained from the Hostel Wardens.

Chief Warden, Men's Hostel:	Borde, Nilesh, Goa Business School,	
	Email: <u>nileshborde@unigoa.ac.in</u> ,	
	Ph.: 8669609278, 8669609083	
Warden, Men's Hostel:	Abhinay P. Pai,	
	Email: abhinaypai@unigoa.ac.in,	6

Ph.: 8669609298



Chief Warden, Women's Hostel: Priya M. D'Costa,

Maya Naik

Email: priyadcosta@unigoa.ac.in Ph.: 8669609252



Warden, Women's Hostel:

Email: <u>mayanaik@unigoa.ac.in</u> Ph.: 8669609085/087



# (a) DIRECTORATE OF STUDENTS' WELFARE & CULTURAL AFFAIRS

The students' welfare activities at Goa University are looked after by the Directorate of Students' Welfare.

The Directorate of Students' Welfare looks after two associations of students: (1) **Goa University Students' Council** representing the students from the colleges affiliated to Goa University and postgraduate students. (2) **Post Graduate Students' Union** representing postgraduate students of Goa University. The students' welfare activities are conducted through these two organizations. The Directorate organizes Inter-collegiate and Inter-University activities such as Youth Festivals, Workshops, Competitions, Seminars etc. in the field of art, music, dance, theatre, literature, social services etc. The students are prepared and helped for participation in students' activities organised by Universities, Government and Semi-Government institutions.

# EARN WHILE YOU LEARN SCHEME

The Directorate of Students Welfare has introduced the **"Earn while you Learn"** Scheme to meet the financial needs of deserving students on the campus of Goa University.

# STUDENTS AID FUND

Under Students' Aid Fund, deserving students are given financial assistance to meet their expenses on tuition fee, examination fee, purchase of books, etc.

# **MERIT SCHOLARSHIPS/FREE STUDENTSHIPS:**

Applications will be invited from post-graduate students of this University for the award of Merit Scholarships/Free Studentships for the current academic year in the prescribed form which will be available in the Directorate of Students welfare. Applications completed in all respects should reach the Directorate of Students welfare of this University on or before the prescribed date. The last date to receive applications will be notified separately.

# Conditions for the award of Merit Scholarship/Free Studentship are as under:

# MERIT SCHOLARSHIP

1. The candidate at the qualifying examination should have secured at least 60% of aggregate marks (in first attempt) in respect of Arts, Commerce & Management Studies and at least 65% of the aggregate marks in Science Streams (in first attempt).

2. The beneficiary of Mineral Foundation of Goa Scholarship is however not entitled for a Merit Scholarship award.

#### FREE STUDENTSHIP

1. The applicant should belong to the income group not exceeding Rs. 3,00,000/- per annum for the last financial year.

2. The candidate should have secured at least 45% of aggregate marks in Arts, Commerce & Management Studies and 50% of the aggregate marks in Science subjects at the last qualifying examination.

3. The beneficiary of any other Government Scholarship/ Mineral Foundation of Goa Scholarship is however not entitled for a Free Studentship award.

Candidates should note that the Merit Scholarship/ Free Studentship will be withdrawn if it is found from the records that they do not fulfill the conditions of at least 75% attendance at the lectures and practicals, wherever prescribed.

#### **OTHER SCHOLARSHIPS BY VARIOUS GOVERNMENTS/INSTITUTIONS:**

- a. Post Matric Scholarship to Schedule Tribe (ST) Community
- b. Post Matric Scholarship to Schedule Caste(SC) Community
- c. Post Matric Scholarship to Other Backward Classes(OBC) Community
- d. Post Matric Scholarship to Differently Abled Persons
- e. Dayanand Bandodkar Scheme for Higher Education for Orphans.
- f. Fee Waiver Scheme for SC/ST Students pursuing Higher Educations.
- g. Post Graduate Indira Gandhi Scholarship for Single Girl Child.
- h. Sant Sohirobanath Ambiye Dnyanvruddhi Shishyavrutti (Bursary Scheme).
- i. Central Sector Scheme of Scholarships for University Students.
- j. Post Matric Scholarship to Minority Community through National Scholarship Portal.

#### PLATEAUNICA

This is an Inter Faculty Youth Festival organised by the Post Graduate Students' Union. The festival offers an opportunity for the Post Graduate Students to exhibit their talents in the field of Art, Culture & Literature. Generally, the Plateaunica is held for 2-3 days in the first week of February every year.

# STUDENTS' SAFETY INSURANCE SCHEME

All students of Post Graduate Discipline and undergraduate students of affiliated colleges are insured under this scheme and the students receive insurance benefits at the time of calamities such as accident, loss of part of body, death etc.

# Directorate of Students Welfare (DSW): A. A. A. Viegas Email - <u>dsw@unigoa.ac.in</u> Ph: 8669609045

# (b) SPORTS

The Sports Section organizes Inter Collegiate Championship tournaments annually for men and women in the following events: Badminton, Table Tennis, Judo, Weight Lifting, Power Lifting, Best Physique, Chess, Cross Country, Cycling, Tennis, Tennikoit, Basketball, Swimming, Football, Athletics, Kabaddi, Handball, Hockey, Kho-Kho, Volleyball, Cricket, Taekwondo, Baseball. The winners and runners-up are awarded with trophies, medals and certificates.

Goa University conducts selection trials to select the best players to represent the University at the Inter University Championships organised by Universities across the Country. Expenditure towards coaching camps, lodging, boarding, kit and travel is borne by the University.

Students participating in Inter Collegiate and Inter University Championships are given benefit of Sports Merit Marks as per Goa University Ordinances.

The Sports Section also conducts various intra-mural events for Post Graduates students. All sports activities are organized systematically and in a sporting atmosphere as per the scheduled, approved by the Sport Council of Goa University.

# Asst. Director of Physical Education & Sports:

Balachandra B. Jadar. Email <u>- sports@unigoa.ac.in</u> Ph: 8669609018

# (c) EXTRA-MURAL STUDIES AND EXTENSION SERVICES (EMS&ES):

The Directorate of Extra-Mural Studies and Extension Services was established on 20<sup>th</sup> June 1986 as per Article (5) of the Goa University Act. Extra Mural Studies and Extension Services is essentially a third dimension of Higher Education. The first two dimensions are formal teaching and research. The

third dimension visualises a learning society at large. It includes adults, School drop-outs, professionals, housewives, slum population, street children and a host of learning groups who need not necessarily have a formal qualification to learn certain essential inputs.

The objectives of the Directorate are as follows: (a) To impart instruction to those who could not undergo normal education, but whose desire to be educated has remained intact. (b) To interact at all levels of education: Primary, Secondary, and Higher Secondary Non-formal education of adults, particularly women, farmers, workers and others whose understanding, skills, status etc. need to be uplifted. (c) To participate in rural development activities and to undertake action oriented research to solve local problems. (d) To make the common man aware of the impact of science and technology on daily life and to promote a scientific outlook and proper utilization of the products of science and technology. (e) To produce reading material and make it available to the people at low prices. (f) To collaborate with local voluntary organizations, industries, research institutions etc. to promote the objectives of the extra-mural studies and extension services. (g) To make people aware of their past and present history and culture and (h) To make people aware of their civil and social responsibility and obligations as well as their rights. Students who wish to help the Directorate in fulfilling its laid down aims and objectives are requested to meet the Hon. Director for further information.

#### Directorate of Extra Mural Studies and Extension Services:

Prof. Anuradha Wagle Email: anuradha@unigoa.ac.in Ph: 8669609232

#### (d) Research & Development and Resource Mobilisation (RDRM Cell)

Research is an integral part of the academic activities of the Post-Graduate Discipline of the University. R&D Projects and Consultancies are carried out by the faculty members of Goa University. D-RDRM processes/reviews all research proposals to be submitted by University faculty to the funding agencies. It also co-ordinates between the funding agencies and the Project Investigator at the University for approved projects. To incentivize research and improve the quality of publications of faculty members, D-RDRM provides monetary incentive for research publications in SCOPUS/ Web of Knowledge indexed journals.

RDRM assists Intellectual Property Assessment Committee of the University in assessing the applications submitted by faculty members to file patents. It maintains a profile of faculty expertise and a list of the infrastructural facilities at the University for circulation to potential industry partners. RDRM also arranges meetings between potential industry partners, funding agency representatives and the University faculty for promotion of sponsored research and new funding schemes.

#### **RESEARCH POLICY**

D-RDRM implements the research policy of the University. The main aim of this policy is to help the University and its faculty members achieve excellence in research and contribute to societal and public good. To incentivise research and improve the quality of publications of faculty members, D-RDRM provides a monetary incentive for research publications in SCOPUS/Web of Knowledge indexed journals. More details on GU Research Policy are available at:

https://www.unigoa.ac.in/uploads/confg\_docs/20181022.154950~RDRM\_GU-Research-Policy\_final.pdf

### **GUIDELINES ON ACADEMIC ETHICS**

Goa University expects all its members to adhere to the highest standards of academic ethics. This document will serve as a guide to implement these standards in all the Discipline on the University campus as well as the institutions affiliated to Goa University. For the University Discipline situated on the Taleigao Plateau the following guidelines are applicable. These are prepared taking into account different contexts of academic life which include teaching, conducting research, publishing papers and books, training and administration. For more details, please visit: https://www.unigoa.ac.in/uploads/confg\_docs/20181126.121243~Guidelines Ethics\_Research.pdf

#### INTELLECTUAL PROPERTY ASSESSMENT COMMITTEE

Dr. Digamber Porob, School of Chemical Sciences - Chairperson 20220119.104309~IPR\_Patent\_Scheme.pdf (unigoa.ac.in)

#### SEED MONEY FOR NEW FACULTY MEMBERS

University provides seed money to kick-start her/his research to all newly appointed faculty members. This grant can be used to purchase minor equipment including computer and its accessories for their research. Click here for Circular 20200713.121756~Seed\_Money\_Circular.pdf (unigoa.ac.in)

### Directorate of RDRM:

**Sr. Prof. Sanjeev C. Ghadi,** School of Earth, Ocean & Atmospheric Sciences Email - <u>saga@unigoa.ac.in</u>, Ph: 8669609242.

# (e) HEALTH CENTRE

The University Health Centre is a primary medical care unit on the University campus for the benefit of students and staff and their family members. It provides preventive, curative and promotive services at primary level. The facilities include:

- Outpatient examination and treatment.
- Medical emergencies and first aid.
- Medical certificates for various needs like hostel admission, driving license, sickness & fitness, etc.
- Medical facilities needed during University sports events.

- Health education and patient counseling.
- Medical Camps and Information, Education, Communication activities from time to time.

The Health Centre is also being recognized as DOTS (directly observed treatment short-course) centre for the eradication of the Tuberculosis from India. Patients with Tuberculosis from neighbouring villages of the campus visit the Centre for their on- going treatment.

The Health Centre also maintains a co-ordination with Directorate of Health Services, Goa Medical College and Indian Medical Association for various health programs.

### Consultation Hours: 9:30 am to 5:45 pm on all working days

Health care units around the University Campus There are good number of hospitals around the University campus with specialists and one can reach to these in short time during emergencies:

Medical Officer: Dr. Amavel Pereira, Email - amavel@unigoa.ac.in, 8669609088

#### (f) GOA UNIVERSITY EMPLOYEES CO-OPERATIVE CREDIT SOCIETY LTD., GOA. (GUECCS LTD.)

The Society has been registered with the Registrar of Co-operative Societies, Govt. of Goa. The main objectives of the Society are to encourage thrift, self-help and cooperation among members of the Society to sell daily requirements of life/operations to the members and others and to act as agent for joint purchase of domestic and other requirements of the members and to undertake activities for promotion of economic, social and cultural welfare of its members. The membership is open to all permanent employees (teaching and non-teaching) of Goa University and all post graduate students of Goa University including research scholars and fellows as individual members. Each post graduate student will pay a non-refundable membership fee of Rs. 50/- and entrance fee of Rs. 25/- to become a member of the Society at the time of admission to the University. The President of Post Graduate Students Union of Goa University will represent the student members in the Board of Directors of the Goa University Consumer Co-operative Society. A copy of the byelaws of the Society and the list of promoters are available at the library counter.

Chairman: Gangaram Naik. Email- eknath@unigoa.ac.in Ph: 8669609399

# (g) UGC NET & SET

The National Educational Testing Bureau of University Grants Commission (UGC) conducts National Eligibility Test (NET) to determine eligibility for lectureship and for award of Junior Research Fellowship (JRF) for Indian nationals in order to ensure minimum standards for the entrants in the teaching profession and research. The test is conducted in humanities (including languages), Social

Sciences, Forensic Sciences, Environment Sciences, Computer Science and Applications and Electronic Science.

The UGC – National Eligibility Tests are conducted twice in a year, generally in the months of June and December. The notifications announcing the June and December examinations and the procedure for applying for UGC – NET are published in the months of March and September respectively in the weekly journal of nation–wide circulation, viz, *Employment News* and is also uploaded on the UGC website www.ugc.ac.in. The result of June, UGC-NET is declared generally in the month of October. Similarly, December UGC-NET result is usually declared in the month of April. UGC-NET is conducted by National Testing Agency (NTA) following is the link for the same .

# https://ugcnet.nta.nic.in/

# https://ugcnet.ntaonline.in/frontend/web/site/login

Similarly, Goa University is also a designated centre for the Maharashtra and Goa State Level Eligibility Test (SET) conducted by University of Pune as the State Agency accredited by UGC.

**Coordinator:** Dr. Digamber Porob, School of Chemical Sciences PH: e-mail: <u>digamber@unigoa.ac.in</u> Contact no: 7030965979

#### (h) OTHER FACILITIES

Over the years, the University has developed several facilities for the benefit of the University community. In addition to canteens located at various points in the campus, full-fledged branch of State Bank of India along with ATM facility, stationery store, general store, etc. have been located at the Campus. The University also has a **Guest House** and an **International Guest House**, for the benefit of visiting faculty and other guests.

Incharge: Kamat, Shailesh	: 8669609042
Guest House Reception	: 8669609080
International Guest House Reception	: 8669609082

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# UGC REGULATIONS ON CURBING THE MENACE OF RAGGING IN HIGHER EDUCATIONAL INSTITUTIONS, 2009.

(Under Section 26 (1)(g) of the University Grants Commission Act, 1956)

# PREAMBLE

In view of the directions of the Hon'ble Supreme Court in the matter of "University of Kerala v/s. Council, Principals, Colleges and others" in SLP no. 24295 of 2006 dated 16.05.2007 and that dated 8.05.2009 in Civil Appeal number 887 of 2009, and in consideration of the determination of the Central Government and the University Grants Commission to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary Programme do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the University Grants Commission, in consultation with the Councils, brings forth this Regulation. In exercise of the powers conferred by Clause (g) of sub-section (1) of Section 26 of the University Grants Commission Act, 1956, the University Grants Commission hereby makes the following Regulations, namely;

# 1. Title, commencement and applicability:-

- (i) These regulations shall be called the "UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009".
- (ii) They shall come into force from the date of their publication in the Official Gazette.

(iii) They shall apply to all the institutions coming within the definition of an University under subsection (f) of section (2) of the University Grants Commission Act, 1956, and to all institutions deemed to be a university under Section 3 of the University Grants Commission Act, 1956, to all other higher educational institutions, or elements of such universities or institutions, including its discipline, constituent units and all the premises, whether being academic, residential, playgrounds, canteen, or other such premises of such universities, deemed universities and higher educational institutions, whether located within the campus or outside, and to all means of transportation of students, whether public or private, accessed by students for the pursuit of studies in such universities, deemed universities and higher educational institutions.

### 2. Objectives:-

To prohibit any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary Programme do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student; and thereby, to eliminate ragging in all its forms from universities, deemed universities and other higher educational institutions in the country by prohibiting it under these Regulations, preventing its occurrence and punishing those who indulge in ragging as provided for in these Regulations and the appropriate law in force.

3. What constitutes Ragging:-Ragging constitutes one or more of any of the following acts:

i) any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;

ii ) indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

iii) asking any student to do any act which such student will not in the ordinary Programme do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

(vi) any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

(v) exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students. (vi) any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;

(vii) any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

(viii) any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;

(ix) any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

#### 4. Definitions:-

(a) In these regulations unless the context otherwise requires, -

"Act" means, the University Grants Commission Act, 1956 (3 of 1956);

"Academic year" means the period from the commencement of admission of students in any Programme of study in the institution up to the completion of academic requirements for that particular year.

"Anti-Ragging Helpline" means the Helpline established under clause (a) of Regulation 8.1 of these Regulations.

"Commission" means the University Grants Commission;

"Council" means a body so constituted by an Act of Parliament or an Act of any State Legislature for setting, or co-ordinating or maintaining standards in the relevant areas of higher education, such as the All India Council for Technical Education (AICTE), the Bar Council of India (BCI), the Dental Council of India (DCI), the Distance Education Council (DEC), the Indian Council of Agricultural Research (ICAR), the Indian Nursing Council (INC), the Medical Council of India (MCI), the National Council for Teacher Education (NCTE), the Pharmacy Council of India (PCI), etc. and the State Higher Education Councils.

"District Level Anti-Ragging Committee" means the Committee, headed by the District Magistrate, constituted by the State Government, for the control and elimination of ragging in institutions within the jurisdiction of the district.

"Head of the institution" means the Vice-Chancellor in case of a university or a deemed to be university, the Principal or the Director or such other designation as the executive head of the institution or the college is referred.

"Fresher" means a student who has been admitted to an institution and who is undergoing her/his first year of study in such institution.

"Institution" means a higher educational institution including, but not limited to a university, a deemed to be university, a college, an institute, an institution of national importance set up by an Act of Parliament or a constituent unit of such institution, imparting higher education beyond 12 years of Schooling leading to, but not necessarily culminating in, a Degree (graduate, postgraduate and/or higher level) and/or to a university diploma.

"NAAC" means the National Academic and Accreditation Council established by the Commission under section 12(ccc) of the Act;

"State Level Monitoring Cell" means the body constituted by the State Government for the control and elimination of ragging in institutions within the jurisdiction of the State, established under a State Law or on the advice of the Central Government, as the case may be.

(x) Words and expressions used and not defined herein but defined in the Act or in the General Clauses Act, 1897, shall have the meanings respectively assigned to them in the Act or in the General Clauses Act, 1897, as the case may be.

# 5. Measures for Prohibition of Ragging at the Institution level: -

No institution or any part of it thereof, including its elements, including, but not limited to, the Discipline constituent units, colleges, centres of studies and all its premises, whether academic, residential, playgrounds, or canteen, whether located within the campus or outside, and in all means of transportation of students, whether public or private, accessed by students for the pursuit of studies in such institutions, shall permit or condone any reported incident of ragging in any form; and all institutions shall take all necessary and required measures, including but not limited to the provisions of these Regulations, to achieve the objective of eliminating ragging, within the institution or outside,

(c) All institutions shall take action in accordance with these Regulations against those found guilty of ragging and/or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

#### 6. Measures for Prevention of Ragging at the Institution level:-

(a) An institution shall take the following steps in regard to admission or registration of students; namely,

Every public declaration of intent by any institution, in any electronic, audiovisual or print or any other media, for admission of students to any Programme of study shall expressly provide that ragging is totally prohibited in the institution, and anyone found guilty of ragging and/or abetting ragging, whether actively or passively, or being a part of a conspiracy to promote ragging, is liable to be punished in accordance with these Regulations as well as under the provisions of any penal law for the time being in force.

The brochure of admission/instruction booklet or the prospectus, whether in print or electronic format, shall prominently print these Regulations in full. Provided that the institution shall also draw attention to any law concerning ragging and its consequences, as may be applicable to the institution publishing such brochure of admission/instruction booklet or the prospectus. Provided further that the telephone numbers of the Anti-Ragging Helpline and all the important functionaries in the institution, including but not limited to the Head of the institution, faculty members, members of the Anti-Ragging Squads, District and Sub-Divisional authorities, Wardens of hostels, and other functionaries or authorities where relevant, shall be published in the brochure of admission/instruction booklet or the prospectus.

Where an institution is affiliated to a University and publishes a brochure of admission/instruction booklet or a prospectus, the affiliating university shall ensure that the affiliated institution shall comply with the provisions of clause (a) and clause (b) of Regulation 6.1 of these Regulations.

The application form for admission, enrolment or registration shall contain an affidavit, mandatorily in English and in Hindi and/or in one of the regional languages known to the applicant, as provided in the English language in Annexure I to these Regulations, to be filled up and signed by the applicant to the effect that s/he has read and understood the provisions of these Regulations as well as the provisions of any other law for the time being in force, and is aware of the prohibition of ragging and the punishments prescribed, both under penal laws as well as under these Regulations and also affirm to the effect that s/he has not been expelled and/or debarred by any institution and further aver that s/he would not indulge, actively or passively, in the act or abet the act of ragging and if found guilty of ragging and/or abetting ragging, is liable to be proceeded against under these Regulations or under any penal law or any other law for the time being in force and such action would include but is not limited to debarment or expulsion of such student.

The application form for admission, enrolment or registration shall contain an affidavit, mandatorily in English and in Hindi and/or in one of the regional languages known to the parents/guardians of the applicant, as provided in the English language in Annexure I to these Regulations, to be filled up and signed by the parents/guardians of the applicant to the effect that s/he has read and understood the

provisions of these Regulations as well as the provisions of any other law for the time being in force, and is aware of the prohibition of ragging and the punishments prescribed, both under penal laws as well as under these Regulations and also affirm to the effect that her/his ward has not been expelled and/or debarred by any institution and further aver that her/his ward would not indulge, actively or passively, in the act or abet the act of ragging and if found guilty of ragging and/or abetting ragging, her/his ward is liable to be proceeded against under these Regulations or under any penal law or any other law for the time being in force and such action would include but is not limited to debarment or expulsion of her/his ward.

The application for admission shall be accompanied by a document in the form of, or annexed to, the School Leaving Certificate/Transfer Certificate/Migration Certificate/Character Certificate reporting on the inter-personal/social behavioural pattern of the applicant, to be issued by the School or institution last attended by the applicant, so that the institution can thereafter keep watch on the applicant, if admitted, whose behaviour has been commented in such document.

A student seeking admission to a hostel forming part of the institution, or seeking to reside in any temporary premises not forming part of the institution, including a private commercially managed lodge or hostel, shall have to submit additional affidavits countersigned by her/his parents/guardians in the form prescribed in Annexure I and Annexure II to these Regulations respectively along with her/his application.Before the commencement of the academic session in any institution, the Head of the Institution shall convene and address a meeting of various functionaries/agencies, such as Hostel Wardens, representatives of students, parents/ guardians, faculty, district administration including the police, to discuss the measures to be taken to prevent ragging in the institution and steps to be taken to identify those indulging in or abetting ragging and punish them.

The institution shall, to make the community at large and the students in particular aware of the dehumanizing effect of ragging, and the approach of the institution towards those indulging in ragging, prominently display posters depicting the provisions of penal law applicable to incidents of ragging, and the provisions of these Regulations and also any other law for the time being in force, and the punishments thereof, shall be prominently displayed on Notice Boards of all Discipline, hostels and other buildings as well as at places, where students normally gather and at places, known to be vulnerable to occurrences of ragging incidents.

The institution shall request the media to give adequate publicity to the law prohibiting ragging and the negative aspects of ragging and the institution's resolve to ban ragging and punish those found guilty without fear or favour.

The institution shall identify, properly illuminate and keep a close watch on all locations known to be vulnerable to occurrences of ragging incidents.

The institution shall tighten security in its premises, especially at vulnerable places and intense policing by Anti-Ragging Squad, referred to in these Regulations and volunteers, if any, shall be resorted to at such points at odd hours during the first few months of the academic session.

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The institution shall utilize the vacation period before the start of the new academic year to launch a publicity campaign against ragging through posters, leaflets and such other means, as may be desirable or required, to promote the objectives of these Regulations.

The faculties/ Discipline /units of the institution shall have induction arrangements, including those which anticipate, identify and plan to meet any special needs of any specific section of students, in place well in advance of the beginning of the academic year with an aim to promote the objectives of this Regulation.

Every institution shall engage or seek the assistance of professional counsellors before the commencement of the academic session, to be available when required by the institution, for the purposes of offering counselling to freshers and to other students after the commencement of the academic year.

The head of the institution shall provide information to the local police and local authorities, the details of every privately commercially managed hostels or lodges used for residential purposes by students enrolled in the institution and the head of the institution shall also ensure that the Anti-Ragging Squad shall ensure vigil in such locations to prevent the occurrence of ragging therein.

(i) An institution shall, on admission or enrolment or registration of students, take the following steps, namely;

Every fresh student admitted to the institution shall be given a printed leaflet detailing to whom s/he has to turn to for help and guidance for various purposes including addresses and telephone numbers, so as to enable the student to contact the concerned person at any time, if and when required, of the Anti-Ragging Helpline referred to in these Regulations, Wardens, Head of the institution, all members of the anti-ragging squads and committees, relevant district and police authorities.

The institution, through the leaflet specified in clause (a) of Regulation 6.2 of these Regulations shall explain to the freshers, the arrangements made for their induction and orientation which promote efficient and effective means of integrating them fully as students with those already admitted to the institution in earlier years.

The leaflet specified in clause (a) of Regulation 6.2 of these Regulations shall inform the freshers about their rights as bona fide students of the institution and clearly instructing them that they should desist from doing anything, with or against their will, even if ordered to by the seniors' students, and that any attempt of ragging shall be promptly reported to the Anti-ragging Squad or to the Warden or to the Head of the institution, as the case may be.

The leaflet specified in clause (a) of Regulation 6.2 of these Regulations shall contain a calendar of events and activities laid down by the institution to facilitate and complement familiarization of freshers with the academic environment of the institution.

The institution shall, on the arrival of senior students after the first week or after the second week, as the case may be, schedule orientation Programmes as follows, namely; (i) joint sensitization

Programme and counselling of both freshers and senior students by a professional counsellor, referred to in clause of Regulation 6.1 of these Regulations; (ii) joint orientation Programme of freshers and seniors to be addressed by the Head of the institution and the anti-ragging committee;(iii) organization on a large scale of cultural, sports and other activities to provide a platform for the freshers and seniors to interact in the presence of faculty members ; (iv) in the hostel, the warden should address all students; and may request two junior colleagues from the college faculty to assist the warden by becoming resident tutors for a temporary duration.(v) as far as possible faculty members should dine with the hostel residents in their respective hostels to instill a feeling of confidence among the freshers.

The institution shall set up appropriate committees, including the Programme-incharge, student advisor, Wardens and some senior students as its members, to actively monitor, promote and regulate healthy interaction between the freshers, junior students and senior students.

Freshers or any other student(s), whether being victims, or witnesses, in any incident of ragging, shall be encouraged to report such occurrence, and the identity of such informants shall be protected and shall not be subject to any adverse consequence only for the reason for having reported such incidents.

Each batch of freshers, on arrival at the institution, shall be divided into small groups and each such group shall be assigned to a member of the faculty, who shall interact individually with each member of the group every day for ascertaining the problems or difficulties, if any, faced by the fresher in the institution and shall extend necessary help to the fresher in overcoming the same.

It shall be the responsibility of the member of the faculty assigned to the group of freshers, to coordinate with the Wardens of the hostels and to make surprise visits to the rooms in such hostels, where a member or members of the group are lodged; and such member of faculty shall maintain a diary of her/his interaction with the freshers under her/his charge.

Freshers shall be lodged, as far as may be, in a separate hostel block, and where such facilities are not available, the institution shall ensure that access of seniors to accommodation allotted to freshers is strictly monitored by wardens, security guards and other staff of the institution.

A round the clock vigil against ragging in the hostel premises, in order to prevent ragging in the hostels after the classes are over, shall be ensured by the institution.

It shall be the responsibility of the parents/guardians of freshers to promptly bring any instance of ragging to the notice of the Head of the Institution.

Every student studying in the institution and her/his parents/guardians shall provide the specific affidavits required under clauses (d), (e) and (g) of Regulation 6.1 of these Regulations at the time of admission or registration, as the case may be, during each academic year.

Every institution shall obtain the affidavit from every student as referred to above in clause (m) of Regulation 6.2 and maintain a proper record of the same and to ensure its safe upkeep thereof, including maintaining the copies of the affidavit in an electronic form, to be accessed easily when required either by the Commission or any of the Councils or by the institution or by the affiliating University or by any other person or organisation authorised to do so.

Every student at the time of her/his registration shall inform the institution about her/his place of residence while pursuing the course of study, and in case the student has not decided her/his place of residence or intends to change the same, the details of his place of residence shall be provided immediately on deciding the same; and specifically in regard to a private commercially managed lodge or hostel where s/he has taken up residence.

The Head of the institution shall, on the basis of the information provided by the student under clause of Regulation 6.2, apportion sectors to be assigned to members of the faculty, so that such member of faculty can maintain vigil and report any incident of ragging outside the campus or en route while commuting to the institution using any means of transportation of students, whether public or private.

The Head of the institution shall, at the end of each academic year, send a letter to the parents/guardians of the students who are completing their first year in the institution, informing them about these Regulations and any law for the time being in force prohibiting ragging and the punishments thereof as well as punishments prescribed under the penal laws, and appealing to them to impress upon their wards to desist from indulging in ragging on their return to the institution at the beginning of the academic session next.

(a) Every institution shall constitute the following bodies; namely,

Every institution shall constitute a Committee to be known as the Anti-Ragging Committee to be nominated and headed by the Head of the institution, and consisting of representatives of civil and police administration, local media, Non-Government Organizations involved in youth activities, representatives of faculty members, representatives of parents, representatives of students belonging to the freshers'

category as well as senior students, non-teaching staff; and shall have a diverse mix of membership in terms of levels as well as gender.

It shall be the duty of the Anti-Ragging Committee to ensure compliance with the provisions of these Regulations as well as the provisions of any law for the time being in force concerning ragging; and also to monitor and oversee the performance of the Anti-Ragging Squad in prevention of ragging in the institution.

Every institution shall also constitute a smaller body to be known as the Anti-Ragging Squad to be nominated by the Head of the Institution with such representation as may be considered necessary for maintaining vigil, oversight and patrolling functions and shall remain mobile, alert and active at all times. Provided that the Anti-Ragging Squad shall have representation of various members of the campus community and shall have no outside representation.

It shall be the duty of the Anti-Ragging Squad to be called upon to make surprise raids on hostels, and other places vulnerable to incidents of, and having the potential of, ragging and shall be empowered to inspect such places.

It shall also be the duty of the Anti-Ragging Squad to conduct an on-the-spot enquiry into any incident of ragging referred to it by the Head of the institution or any member of the faculty or any member of the staff or any student or any parent or guardian or any employee of a service provider or by any other person, as the case may be; and the enquiry report along with recommendations shall be submitted to the Anti-Ragging Committee for action under clause (a) of Regulation 9.1. Provided that the Anti-Ragging Squad shall conduct such enquiry observing a fair and transparent procedure and the principles of natural justice and after giving adequate opportunity to the student or students accused of ragging and other witnesses to place before it the facts, documents and views concerning the incident of ragging, and considering such other relevant information as may be required.

Every institution shall, at the end of each academic year, in order to promote the objectives of these Regulations, constitute a Mentoring Cell consisting of students volunteering to be Mentors for freshers, in the succeeding academic year; and there shall be as many levels or tiers of Mentors as the number of batches in the institution, at the rate of one Mentor for six freshers and one Mentor of a higher level for six Mentors of the lower level.

Every University shall constitute a body to be known as Monitoring Cell on Ragging, which shall coordinate with the affiliated colleges and institutions under the domain of the University to achieve the objectives of these Regulations; and the Monitoring Cell shall call for reports from the Heads of institutions in regard to the activities of the Anti-Ragging Committees, Anti - Ragging Squads, and the Mentoring Cells at the institutions, and it shall also keep itself abreast of the decisions of the District level Anti-Ragging Committee headed by the District Magistrate.

The Monitoring Cell shall also review the efforts made by institutions to publicize anti-ragging measures, soliciting of affidavits from parents/guardians and from students, each academic year, to abstain from ragging activities or willingness to be penalized for violations; and shall function as the prime mover for initiating action on the part of the appropriate authorities of the university for amending the Statutes or Ordinances or Bye-laws to facilitate the implementation of anti-ragging measures at the level of the institution.

(viii) Every institution shall take the following other measures, namely;

Each hostel or a place where groups of students reside, forming part of the institution, shall have a full-time Warden, to be appointed by the institution as per the eligibility criteria laid down for the post reflecting both the command and control aspects of maintaining discipline and preventing incidents of ragging within the hostel, as well as the softer skills of counselling and communicating with the youth outside the class-room situation; and who shall reside within the hostel, or at the very least, in the close vicinity thereof.

The Warden shall be accessible at all hours and be available on telephone and other modes of communication, and for the purpose the Warden shall be provided with a mobile phone by the institution, the number of which shall be publicised among all students residing in the hostel.

The institution shall review and suitably enhance the powers of Wardens; and the security personnel posted in hostels shall be under the direct control of the Warden and their performance shall be assessed by them.

The professional counsellors referred to under clause (o) of Regulation 6.1 of these Regulations shall, at the time of admission, counsel freshers and/or any other student(s) desiring counselling, in order to prepare them for the life ahead, particularly in regard to the life in hostels and to the extent possible, also involve parents and teachers in the counselling sessions.

(i) The institution shall undertake measures for extensive publicity against ragging by means of audio-visual aids, counselling sessions, workshops, painting and design competitions among students and such other measures, as it may deem fit.

(ii) In order to enable a student or any person to communicate with the Anti-Ragging Helpline, every institution shall permit unrestricted access to mobile phones and public phones in hostels and campuses, other than in class-rooms, seminar halls, library, and in such other places that the institution may deem it necessary to restrict the use of phones.

(iii) The faculty of the institution and its non-teaching staff, which includes but is not limited to the administrative staff, contract employees, security guards and employees of service providers providing services within the institution, shall be sensitized towards the ills of ragging, its prevention and the consequences thereof.

(iv) The institution shall obtain an undertaking from every employee of the institution including all teaching and non-teaching members of staff, contract labour employed in the premises either for running canteen or as watch and ward staff or for cleaning or maintenance of the buildings/lawns and employees of service providers providing services within the institution, that s/he would report promptly any case of ragging which comes to her/his notice.

(v) The institution shall make a provision in the service rules of its employees for issuing certificates of appreciation to such members of the staff who report incidents of ragging, which will form part of their service record.

(vi) The institution shall give necessary instructions to the employees of the canteens and messing, whether that of the institution or that of a service provider providing this service, or their employers, as the case may be, to keep a strict vigil in the area of their work and to report the incidents of ragging to the Head of the institution or members of the Anti-Ragging Squad or members of the Anti-Ragging Committee or the Wardens, as may be required.

(vii) All Universities awarding a Degree in education at any level, shall be required to ensure that institutions imparting instruction in such Programmes or conducting training Programme for teachers include inputs relating to anti-ragging and the appreciation of the relevant human rights, as well as inputs on topics regarding sensitization against corporal punishments and checking of bullying amongst students, so that every teacher is equipped to handle at least the rudiments of the counselling approach.

(viii) Discreet random surveys shall be conducted amongst the freshers every fortnight during the first three months of the academic year to verify and crosscheck whether the institution is indeed free of ragging or not and for the purpose the institution may design its own methodology of conducting such surveys.

m) The institution shall cause to have an entry, apart from those relating to general conduct and behaviour, made in the Migration/Transfer Certificate issued to the student while leaving the institution, as to whether the student has been punished for committing or abetting an act of ragging, as also whether the student has displayed persistent violent or aggressive behaviour or any inclination to harm others, during his course of study in the institution.

Notwithstanding anything contained in these Regulations with regard to obligations and responsibilities pertaining to the authorities or members of bodies prescribed above, it shall be the general collective responsibility of all levels and sections of authorities or functionaries including members of the faculty and employees of the institution, whether regular or temporary, and employees of service providers providing service within the institution, to prevent or to act promptly against the occurrence of ragging or any incident of ragging which comes to their notice.

The Heads of institutions affiliated to a University or a constituent of the University, as the case may be, shall, during the first three months of an academic year, submit a weekly report on the status of compliance with Anti-Ragging measures under these Regulations, and a monthly report on such status thereafter, to the Vice-Chancellor of the University to which the institution is affiliated to or recognized by.

The Vice Chancellor of each University, shall submit fortnightly reports of the University, including those of the Monitoring Cell on Ragging in case of an affiliating university, to the State Level Monitoring Cell.

**7.** Action to be taken by the Head of the institution.- On receipt of the recommendation of the Anti Ragging Squad or on receipt of any information concerning any reported incident of ragging, the Head of institution shall immediately determine if a case under the penal laws is made out and if so, either on his own or through a member of the Anti-Ragging Committee authorised by him in this behalf, proceed to file a First Information Report (FIR), within twenty four hours of receipt of such information or recommendation, with the police and local authorities, under the appropriate penal provisions relating to one or more of the following, namely;

- (i) Abetment to ragging;
- (ii) Criminal conspiracy to rag;
- (iii) Unlawful assembly and rioting while ragging;
- (iv) Public nuisance created during ragging;
- (v) Violation of decency and morals through ragging;
- (vi) Injury to body, causing hurt or grievous hurt;

- (vii) Wrongful restraint;
- (viii) Wrongful confinement;
- (ix) Use of criminal force;
- (x) Assault as well as sexual offences or unnatural offences;
- (xi) Extortion;
- (xii) Criminal trespass;
- (xiii) Offences against property;
- (xiv) Criminal intimidation;
- (xv) Attempts to commit any or all of the above mentioned offences against the victim(s);
- (xvi) Threat to commit any or all of the above mentioned offences against the victim(s);
- (xvii) Physical or psychological humiliation;
- (xviii) All other offences following from the definition of "Ragging".

Provided that the Head of the institution shall forthwith report the occurrence of the incident of ragging to the District Level Anti-Ragging Committee and the Nodal officer of the affiliating University, if the institution is an affiliated institution. Provided further that the institution shall also continue with its own enquiry initiated under clause 9 of these Regulations and other measures without waiting for action on the part of the police/local authorities and such remedial action shall be initiated and completed immediately and in no case later than a period of seven days of the reported occurrence of the incident of ragging.

#### 8. Duties and Responsibilities of the Commission and the Councils: -

(i) The Commission shall, with regard to providing facilitating communication of information regarding incidents of ragging in any institution, take the following steps, namely;

The Commission shall establish, fund and operate, a toll-free Anti-Ragging Helpline, operational round

the clock, which could be accessed by students in distress owing to ragging related incidents.

Any distress message received at the Anti-Ragging Helpline shall be simultaneously relayed to the Head of the Institution, the Warden of the Hostels, the Nodal Officer of the affiliating University, if the incident reported has taken place in an institution affiliated to a University, the concerned District authorities and if so required, the District Magistrate, and the Superintendent of Police, and shall also be web enabled so as to be in the public domain simultaneously for the media and citizens to access it.

The Head of the institution shall be obliged to act immediately in response to the information received from the Anti-Ragging Helpline as at sub-clause (b) of this clause.

The telephone numbers of the Anti-Ragging Helpline and all the important functionaries in every institution, Heads of institutions, faculty members, members of the anti-ragging committees and anti-ragging squads, district and sub-divisional authorities and state authorities, Wardens of hostels, and other functionaries or authorities where relevant, shall be widely disseminated for access or to seek help in emergencies.

The Commission shall maintain an appropriate data base to be created out of affidavits, affirmed by each student and her/his parents/guardians and stored electronically by the institution, either on its or through an agency to be designated by it; and such database shall also function as a record of ragging complaints received, and the status of the action taken thereon.

The Commission shall make available the database to a non-governmental agency to be nominated by the Central Government, to build confidence in the public and also to provide information of noncompliance with these Regulations to the Councils and to such bodies as may be authorized by the Commission or by the Central Government.

(ii) The Commission shall take the following regulatory steps, namely;

The Commission shall make it mandatory for the institutions to incorporate in their prospectus, the directions of the Central Government or the State Level Monitoring Committee with regard to prohibition and consequences of ragging, and that non-compliance with these Regulations and directions so provided, shall be considered as lowering of academic standards by the institution, therefore making it liable for appropriate action.

(i) The Commission shall verify that the institutions strictly comply with the requirement of getting the affidavits from the students and their parents/guardians as envisaged under these Regulations.

(ii) The Commission shall include a specific condition in the Utilization Certificate, in respect of any financial assistance or grants-in-aid to any institution under any of the general or special schemes of the Commission that the institution has complied with the anti-ragging measures.

(iii) Any incident of ragging in an institution shall adversely affect its accreditation, ranking or grading by NAAC or by any other authorized accreditation agencies while assessing the institution for accreditation, ranking or grading purposes.

(iv) The Commission may accord priority in financial grants-in-aid to those institutions, otherwise eligible to receive grants under section 12B of the Act, which report a blemish less record in terms of there being no reported incident of ragging.

(v) The Commission shall constitute an Inter-Council Committee, consisting of representatives of the various Councils, the Non-Governmental agency responsible for monitoring the database maintained by the Commission under clause (g) of Regulation 8.1 and such other bodies in higher education, to coordinate and monitor the anti-ragging measures in institutions across the country and to make recommendations from time to time; and shall meet at least once in six months each year.

(vi) The Commission shall institute an Anti-Ragging Cell within the Commission as an institutional mechanism to provide secretarial support for collection of information and monitoring, and to coordinate with the State Level Monitoring Cell and University level Committees for effective implementation of anti-ragging measures, and the Cell shall also coordinate with the Non-Governmental agency responsible for monitoring the database maintained by the Commission appointed under clause (g) of Regulation 8.1.

#### 9. Administrative action in the event of ragging: -

(iii) The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed herein under:

The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.

The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments, namely; Suspension from attending classes and academic privileges.

Withholding/ withdrawing scholarship/ fellowship and other benefits. Debarring from appearing in any test/ examination or other evaluation process. Withholding results.

Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc. Suspension/ expulsion from the hostel.

Cancellation of admission.

Rustication from the institution for period ranging from one to four semesters.

Expulsion from the institution and consequent debarring from admission to any other institution for a specified period. Provided that where the persons committing or abetting the act of ragging are not identified, the institution shall resort to collective punishment.

An appeal against the order of punishment by the Anti-Ragging Committee shall lie, in case of an order of an institution, affiliated to or constituent part, of a University, to the Vice-Chancellor of the University; in case of an order of a University, to its Chancellor.

In case of an institution of national importance created by an Act of Parliament, to the Chairman or Chancellor of the institution, as the case may be.

(iv) Where an institution, being constituent of, affiliated to or recognized by a University, fails to comply with any of the provisions of these Regulations or fails to curb ragging effectively, such University may take any one or more of the following actions, namely;

Withdrawal of affiliation/recognition or other privileges conferred.

(vi) Prohibiting such institution from presenting any student or students then undergoing any Programme of study therein for the award of any Degree/diploma of the University.

Provided that where an institution is prohibited from presenting its student or students, the Commission shall make suitable arrangements for the other students so as to ensure that such students are able to pursue their academic studies.

Withholding grants allocated to it by the university, if any

(a) Withholding any grants channelized through the university to the institution.

(b) Any other appropriate penalty within the powers of the university.

(1) Where in the opinion of the appointing authority, a lapse is attributable to any member of the faulty or staff of the institution, in the matter of reporting or taking prompt action to prevent an incident of ragging or who display an apathetic or insensitive attitude towards complaints of ragging, or who fail to take timely steps, whether required under these Regulations or otherwise, to prevent an incident or incidents of ragging, then such authority shall initiate School disciplinary action, in accordance with the prescribed procedure of the institution, against such member of the faulty or staff.

Provided that where such lapse is attributable to the Head of the institution, the authority designated to appoint such Head shall take such School disciplinary action; and such action shall be without prejudice to any action that may be taken under the penal laws for abetment of ragging for failure to take timely steps in the prevention of ragging or punishing any student found guilty of ragging.

(2) The Commission shall, in respect of any institution that fails to take adequate steps to prevent ragging or fails to act in accordance with these Regulations or fails to punish perpetrators or incidents of ragging suitably, take one of more of the following measures, namely;

Withdrawal of declaration of fitness to receive grants under section 12B of the Act.

Withholding any grant allocated.

Declaring the institution ineligible for consideration for any assistance under any of the general or special assistance Programmes of the Commission.

Informing the general public, including potential candidates for admission, through a notice displayed prominently in the newspapers or other suitable media and posted on the website of the Commission, declaring that the institution does not possess the minimum academic standards.

Taking such other action within its powers as it may deem fit and impose such other penalties as may be provided in the Act for such duration of time as the institution complies with the provisions of these Regulations.

Provided that the action taken under this clause by the Commission against any institution shall be shared with all Councils.

Provision exists for online filing of affidavits by students and their parents on a web portal created by UGC

https://www.unigoa.ac.in/systems/a/welfare/justice/antiragging.html

The same is permanently stored in the data base of UGC and a reference number is given to the students who can take a print of the undertaking and submit to the University. Further, the requirement of the oath commissioner to sign on the affidavit has been done away with vide a circular of the UGC dated 28 May 2013

https://www.unigoa.ac.in/systems/a/welfare/justice/antiragging.html

The entire information may be accessed at

(<u>www.antiragging.in</u> and <u>www.amanmovement.org</u>) a Students and Parents may file

online affidavits and submit a signed copy to the School concerned.

(This Affidavit can be submitted online at (www.antiragging.in and www.amanmovement.org)

Signed printouts must be submitted to the concerned School).

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#### THE GOA UNIVERSITY STUDENTS' DISCIPLINE AND CONDUCT RULES 2018

**Preamble:** Students indiscipline leads to serious issues including ragging. It has been observed by Hon'ble Courts of Law and UGC that common places where indiscipline/ragging could occur includes canteens and hostels. This necessitates relooking into disciplinary rules for hostel management as well as Disciplinary Rules by Goa University, probably in the year 1988. A proctorial system needs to be established as suggested by the Academic Council of the Goa University.

Whereas it is considered necessary and expedient to frame rules under which disciplinary action may be taken at various levels against students of the University Teaching Schools/Centers, established and maintained by Goa University.

The following Rules are framed under section 22 (q) of the Goa University Act, 1984 read with clause 5 of the Statute no. 26.

Before proceeding further, the Committee would like to reproduce some important guidelines in this context:

Section 22 (q) of GU Act, 1984 read with clause 5 of Statute 26 provides for the Maintenance of discipline among students of the University –

(1) All powers relating to discipline and disciplinary action in relation to student of the University shall vest in the Vice-Chancellor.

(2) The Vice-Chancellor may delegate all or any of his powers as he deems proper to the Registrar and to such other officers as he may specify in this behalf.

(3) Without prejudice to the generality of his powers relating to the maintenance of discipline and taking such action, as may seem to him appropriate for the maintenance of discipline, the Vice-Chancellor may, in the exercise of his powers, by order, direct that any student or student be expelled or restricted for a specified period or be not admitted to a course or courses of study in a college, institution or Schools of the University for a stated period or be punished with fine for an amount to be specified in the order or be debarred from taking an examination or examinations conducted by the University, college, institution or Schools for one or more years, or that the results of the students or students concerned in the examination or examinations in which he or they have appeared be cancelled.

(4) The Principals of the colleges, institutions, Head of Special Centers, Deans of Schools of University shall have the authority to exercise all such disciplinary powers over the students in their respective colleges, institutions Special Centers, Schools of the University as may be necessary for proper conduct of such colleges, institutions, special centers, Schools of the Universit.

(5) Without prejudice to the powers of the Vice-Chancellor, the Principals and other persons specified in clause (4), detailed rules of discipline and proper conduct shall be made by the University. The Principals of colleges, institutions, Heads of Special Centers, Deans of Schools of Studies and teaching faculties of the University may also make such supplementary rules as they deem necessary for the aforesaid purpose. Every student shall be supplied with a copy of the rule made by the University and a copy of the supplementary rules shall be supplied to the students concerned.

(6) At the time of admission, every student shall be required to sign a declaration to the effect that he submits himself to the disciplinary jurisdiction of the Vice-Chancellor and other authorities of the University.

# *Hon'ble Supreme Court of India delivered many judgements during 2001-2009 defining ragging and giving directives to curb the problems:*

Any disorderly conduct whether by words spoken or written or by an act which the effect of teasing, treating or handling with rudeness any other student, indulging in rowdy or indisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the students to do any act or perform something which such student will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or a junior student.

- Ragging is as severe a criminal act as rape.
- FIR will be filed without any delay.
- Such cases will be accorded priority trial.
- Those found guilty may be fined up to Rs. 8,000/-
- Those found guilty may be expelled up to four semesters.
- Those found guilty may be denied admission elsewhere.
- Authorities are also accountable for any failure or delay.
- Defaulter institutions are likely to lose grants.

Important Clauses of UGC Regulations on CURBING THE MENACE OF RAGGING in Higher Educational Institutions 2009 to be noted by the students.

#### CLAUSE 3: WHAT CONSTITUTES RAGGING?

Ragging constitutes one or more of any of the following acts:

a) Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student.

b) Indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.

c) Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student.

d) Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher.

*e)* Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.

*f)* Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students

g) Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
h) Any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student.

*i)* Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

#### CLAUSE 7: ACTION TO BE TAKEN BY THE HEAD OF THE INSTITUTION:

On receipt of the recommendation of the Anti-Ragging Squad or on receipt of any information concerning any reported incident of ragging, the Head of Institution shall immediately determine if a case under the panel laws is made out and if so, either on his own or through a member of the Anti-Ragging Committee, authorized by him in this behalf, proceed to file a First Information Report (FIR), within twenty-four hours of receipt of such information or recommendation. with the police and local authorities, under the appropriate penal provisions relating to one or more of the following, namely;

- *i.* Abetment to ragging;
- ii. Criminal conspiracy to rag;
- iii. Unlawful assembly and rioting while ragging;
- iv. Public nuisance created during ragging;
- v. Violation of decency and morals through ragging;
- vi. Injury to body, causing hurt or grievous hurt;

vii. Wrongful restraint;

- viii. Wrongful confinement;
- ix. Use of criminal force;
- *x.* Assault as well as sexual offences or unnatural offences;

- xi. Extortion;
- xii. Criminal trespass;
- xiii. Offences against property;
- xiv. Criminal intimidation;
- xv. Attempts to commit any or all of the above-mentioned offences against the victim(s);
- xvi. Threat to commit any or all of the above-mentioned offence against the victim(s);
- xvii. Physical or psychological humiliation;

xviii. All other offence following from the definition of "ragging"

Provided that the Head of the Institution shall forthwith report the occurrence of the incident of ragging to the District Level Anti-Ragging Committee and the Nodal officer of the affiliating University, if the institution is an affiliated institution.

Provided further that the institution shall also continue with its own enquiry initiated under clause 9 of these Regulations and other measures without waiting for action on the part of the police/local authorities and such remedial action shall be initiated and completed immediately and in no case later than a period of seven days of the reported occurrence of the indent of ragging.

#### CLAUSE 9: ADIMINISTRATIVE ACTION IN THE EVENT OF RAGGING:

*9.1* The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed here in under:

a) The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.

b) The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments, namely;

*i.* Suspension from attending classes and academic privileges.

ii. Withholding/ withdrawing scholarship/ fellowship and other benefits.

*iii.* Debarring from appearing in any test/ examination or other evaluation process.

iv. Withholding results.

v. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.

vi. Suspension/ expulsion from the hostel.

vii. Cancellation of admission.

viii. Rustication from the institution for period ranging from one to four semesters.

*ix.* Expulsion from the institution and consequent debarring from admission to any other institution for a specified period.

Provided that where the persons committing or abetting the act of ragging are not identified, the institution shall resort to collective punishment.

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c) An appeal against the order of punishment by the Anti-Ragging Committee shall lie,

(i) in case of an order of an institution, affiliated to or constituent part, of a University, to the Vice-Chancellor of the University;

(ii) in case of an order of a University, to its Chancellor.

(iii) in case of an institution of national importance created by an Act of Parliament, to the Chairman or Chancellor of the institution, as the case may be.

# The Goa University Students' Discipline and Conduct Rules 2018.

# 1. SHORT TITLE AND COMMENCEMENT

(a) These Rules shall be called "The Goa University Students' Discipline and Conduct Rules 2018" hereafter referred to as the "Rules".

(b) These Rules shall come into force with effect from the date of their notification.

# 2. APPLICATION OF RULES

(a) These Rules shall apply to all students of the University whether admitted prior to the commencement of these Rules or after the commencement of these Rules.

(b) Any breach of discipline and conduct committed by a student inside or outside the Goa University Campus shall fall under the purview of these Rules.

(c) Without prejudice to the generality of the power to enforce discipline under Section 22 (q) of the Goa University Act, 1984 and Statue 26 thereunder, the acts mentioned in Rules 4 shall amount to acts of misconduct or indiscipline or both.

(d) These rules are not meant to deny the democratic rights of the students to dissent/air their grievances/protest in a peaceful and lawful manner.

(e) Peaceful and lawfully conducted sit-ins/*dharanas* at a designated place with prior intimation to the University administration will not invite any punishment under these rules.

# 3. DEFINITIONS:

For the purpose of application of these Rules-

(a) 'School' means any teaching School established and maintained by the Goa University offering
 P.G. Degree/Diploma/Certificate/Integrated Courses and also includes Schools, Centers, Library,
 Hostels, Play grounds, Canteens, Shopping Centers, Gymkhana, University Guest House,
 Administrative Offices, Staff quarters and entire University campus.

(b) 'Student' means any person admitted to a Schools of the University as given in (a) above for receiving instructions either full-time or part-time and whose names is on the rolls of the University. The word student with reference to the context if required shall mean students also.

(c) 'Teacher' means Dean, Director, Professor, Associate Professor, Assistant Professor Warden of hostel, Librarian, Director of Physical Education, Assistant Director of Physical Education, Physical Culture Instructor, and Coaches Etc.

(d) 'Disciplinary Authority' means an authority competent to impose penalty on a student under these Rules for any act of indiscipline or misconduct.

(e) 'Inquiry Authority' means a Committee appointed by the Vice-Chancellor or an Inquiry Officer appointed by the Vice-Chancellor to inquire into the charges of act/s of indiscipline or misconduct by a student or a group of students.

(f) 'Chief Proctor' means a senior teacher appointed by the Vice-Chancellor under the provisions of these Rules.

(g) 'Assistant Proctor' means a teacher appointed by the Vice-Chancellor under the provisions of these Rules.

#### 4.0 ACTS OF MISCONDUCT AND INDISCIPLINE:

#### (a) Acts of misconduct and indiscipline Category-I:

i) Causing disturbance within the University premises, Laboratory or Reading Room,

Common Room, Playground or Hostel.

ii) Any act leading to diverting the attention of the students from the Lectures or of the teacher from Teaching.

- iii) Insubordination and/or disrespect to the teacher within or outside the University premises.
- iv) Habitual inattention to classwork and assignments.
- v) Disturbing a class from outside by loitering aimlessly in the corridors, making noise.
- vi) Picking up quarrel with the teaching or non-teaching staff or with other students.
- vii) Using filthy language and abuses in the University premises or 'Sports-grounds'
- viii) Smoking openly within the University campus.
- ix) Playing any kind of musical instrument inside the class or outside during class hours.

x) Hunger strikes, *dharnas*, group bargaining and any other form of protest by blocking entrance or exit of any of the academic and/or administrative complexes or disrupting the movements of any member of the University Community.

xi) Furnishing false certificates or false information in any manner to the University.

xii) Teasing or disrespectful behavior or any misbehavior with a boy/girl student, staff member/ visitor.

xiii) Causing or colluding in the unauthorized entry of any person/guest into the Campus or in the unauthorized occupation of any portion of the University premises, including residential quarters/hostels or residence by any person.

xiv) Unauthorized occupation of the hostel rooms or unauthorized acquisition and use of University furniture in one's hostel room or elsewhere.

xv) Damaging or defacing, in any form any property of the University or the property of any member of the University community.

xvi) Not disclosing one's identity when asked to do so by a faculty member or employee or security staff of the University who is authorized to ask for such identity.

xvii) Improper behavior while on tour or excursion.

xviii) Coercing the medical staff to render medical assistance to persons not entitled for the same or any other disorderly behavior in the Health Centre of University.

xix) Blockade or forceful prevention of any normal movement of traffic, violation of security or safety rules notified by the University.

xx) Littering of any kind of waste including plastic waste in the University buildings, grounds/roads/premises.

xxi) Disturbing other students/ teachers using a mobile phone inside the class or outside during class hours.

xxii) Driving and parking the vehicles on University campus in violation of guidelines to that effect.

xxiii) Distributing any material related to political parties/movements.

xxiv) Any other act which may be considered by the Vice-Chancellor or any other competent authority to be a minor act of violation of discipline and conduct.

#### (b) Acts of misconduct and indiscipline Category-II:

i) Repetition of acts given under Category-I of indiscipline in spite of repeated warnings and penalties imposed.

ii) Attending the University dressed in a manner contrary to social norms prevailing from time to time or violation of dress code if any.

iii) Indecent exposure in a proactive manner or behaving in a manner tending to rouse baser passions among the members of the same or opposite sex.

iv) Disfiguring the walls, floors, furniture etc. of the University.

v) Forcibly entering/ reaching places which have restricted entry or unauthorizedly handling of equipment or performing acts which would be a threat to one's life.

vi) Instigating others to commit acts of indiscipline.

vii) Engaging in any attempt at wrongful confinement of any member of the faculty, staff, student or anyone camping inside the Campus.

viii) Any Intimidation of or insulting or abusive behavior towards a student, staff or faculty or any other person.

ix) Wanton destruction of University properties.

*x*) Consuming or possessing narcotic drugs or other intoxicants or alcohol anywhere in the University premises.

*xi)* Indulging in criminal acts of any kind under the law of land including gambling and possession of arms/weapons.

xii) Arousing communal, caste or regional feelings or creating disharmony among students.

*xiii)* Demonstration of disloyalty to the country, its constitution and its flag.

*xiv)* Ragging of any kind tending to cause physical and mental torture to other students or forcing others to submit to indignity and nuisance.

xv) All acts of violence and all forms of coercion such as gheraos, sit-ins or any variation of the same which disrupt the normal academic and administrative functioning of the University and or any act which incites or leads to violence.

*xvi)* Gheraos, laying siege or staging demonstrations around the residence of any member of the University Community or any other form of coercion, intimidation or disturbance of right to privacy of the residents of the campus.

xvii) Sexual harassment of any kind which shall also include: unwelcome sexual proposition/ advancements, sexually graphic comments of a body unwelcome touching, patting pinching or leering of parts of the body or persistent offensive or unwelcome sexual jokes and or comments.

xviii) Committing forgery, tampering with the Identity Card or University records, impersonation, misusing University property (movable or immovable), documents and records, tearing of pages of, defacing, burning or in any way destroying the books, journals, magazines and any material of library or unauthorized photocopying or possession of library books, journals, magazines or any other material.

xix) Any act of moral turpitude.

xx) Use of abusive, defamatory, derogatory or intimidatory language against any member of the University Community.

xxi) Any other act or acts which the Vice-Chancellor considers as major acts of misconduct and indiscipline.

#### 5.0 PUNISHMENT

The competent authority may impose any one or suitable combination of the following punishments on any student found guilty of any of the acts of indiscipline or misconduct mentioned under Category-I or Category-II as the case may be, in Rule 4.

#### Category-I:

1) Admonition/Reprimand.

2) Sending the student out of his class and not letting him into his class up to a maximum of two consecutive periods.

3) Marking the student absent on repeating the misconduct at Sr No. 2.

- 4) Fine up to Rupees Twenty Thousand depending upon gravity of the issue.
- 5) Recovery of any kind, such as scholarship/fellowship, any dues, cost of damages, etc.
- 6) Withdrawal of any or all facilities available to a student as per, various Goa University Rules (such

as Scholarship/Fellowship, Hostel etc.) permanently or for a time period up to two semesters.

7) Stoppage of any or all academic processes.

8) Rustication up to two semesters and/or Declaring any hostels, premises, building or the entire Goa University Campus out of bounds to any students.

## Category-II:

1) Cancellation of admission or withdrawal of Degree or denial of registration for a specified period.

2) Rustication up to four semesters and/or declaring any part or the entire Goa University Campus out of bounds.

- 3) Fine up to Rupees five thousand depending upon gravity of the issue.
- 4) Expulsion.

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For acts of ind			For acts of ind	iscipline/ nder Category-II	
Penalties	Authority empowered to impose them	Appellate authority	Penalties	Authority empowered to impose them	Appellate authority
i) Admonition/ Reprimand.	Concerned Teacher/s	No Appeal		Chief Proctor	Vice- Chancellor
<ul> <li>ii) Sending</li> <li>the student</li> <li>out of his</li> <li>class/</li> <li>laboratory</li> <li>and not</li> <li>letting him</li> <li>into his</li> <li>class/</li> <li>laboratory</li> <li>up to a</li> <li>maximum of</li> <li>two</li> <li>consecutive</li> <li>periods/hour</li> <li>s in a day.</li> </ul>	Concerned Teacher/s	No Appeal	Rustication up to four semesters and/or declaring any part or the entire Goa University Campus out of bounds.	Chief Proctor	Vice- Chancellor
iii) Marking the student/s absent for repeating the type of misconduct involved in (ii) above, more than once.	Concerned Teacher/s	Dean of School	Fine up to Rupees Five Thousand depending upon gravity of the issue.	Vice-Chancellor on recommendatio n of the Chief Proctor and after considering the report of the Inquiry Authority.	Executive Council
iii) Fine up to Rupees Twenty Thousand	Chief Proctor	Vice- Chancellor	Expulsion.	Vice-Chancellor on recommendatio n of the Chief	Executive Council

### 6.0 AUTHORITIES EMPOWERED TO IMPOSE PUNISHMENT AND APELLEATE AUTHORITIES:

depending upon gravity of the issue.			Proctor and after considering the report of the Inquiry Authority.	
iv) Recovery of any kind, such as scholarship/ fellowship, any dues, cost of damages, etc.	Chief Proctor	Vice- Chancellor		
<ul> <li>v)</li> <li>Withdrawal</li> <li>of any or all</li> <li>facilities</li> <li>available to a</li> <li>student as</li> <li>per, various</li> <li>Goa</li> <li>University</li> <li>Rules (such</li> <li>as</li> <li>Scholarship/</li> <li>Fellowship,</li> <li>Hostel etc.)</li> <li>permanently</li> <li>or for a time</li> <li>period up to</li> <li>two</li> <li>semesters.</li> </ul>	Chief Proctor	Vice- Chancellor		
Stoppage of any or all academic processes.	Chief Proctor	Vice- Chancellor		
Rustication up to two semesters and/or Declaring	Chief Proctor	Vice- Chancellor		

any hostels,			
premises,			
building or			
the entire			
Goa			
University			
Campus out			
of bounds to			
any students.			

#### 7.0 **PROCTORIAL BOARD**

a. There shall be a Proctorial board for the University consisting of a Chief proctor and two Proctors. The Proctors shall be appointed by the Vice-Chancellor as follows.

One Assistant Professor.

One Associate Professor.

The tenure of the Proctors shall be for a period of three years. One of the Proctors shall be a woman. All the matters concerning indiscipline and misconduct by student/s shall be dealt by the Proctorial Board.

### b. CHIEF PROCTOR

(1) The Chief Proctor shall be appointed from amongst the employees of the University preferably of the rank of Professor, by the Executive Council on the recommendation of the Vice-Chancellor. The Chief Proctor shall exercise such powers and performs such duties as may be assigned to him by these Rules or by the Vice-Chancellor. The tenure of the Chief Proctor shall be for a period of three years.

(2) When the office of Chief Proctor is vacant or when the Chief Proctor is, by reason of illness or absence for any other cause, unable to perform the duties of his office, the duties of the office shall be performed by one of the Assistant Proctors as the Vice-Chancellor may appoint for the purpose.

(3) The Chief Proctor shall be the competent authority to impose fine/penalty as per the provisions of the clause 6 of these Rules to the student/s on the recommendation of the Proctorial Board.

#### c. **POWERS OF THE PROCTORIAL BOARD AND PROCEDURES**

- (1) The Proctorial Board shall be the inquiry authority for all the cases of misconduct/ indiscipline by the student/s and shall make suitable recommendations to the Vice-Chancellor as per the provisions of these Rules. This shall, however, exclude the cases to be handled by the ICC.
- (2) The Proctorial Board (PB) is authorized to take up the cases *suo moto*. However, complainants shall be required to report any of the matters mentioned above within three days of the occurrence of the incident to the Chief Proctor. The student(s) charged shall be notified within four working days of the charge against her/him. It shall be the responsibility of the students(s) thus charged to submit in writing her/his defense within two working days to the PB. If the PB does not receive a defense within two working days, it will take an *ex parte* decision on the charge. The PB shall, however, have powers to relax the time-frames mentioned above based on the merit of the case in question.
- (3) Under normal circumstances the PB shall issue a show cause notice within four working days of receiving a complaint calling for explanation within two working days. If the explanation is not received within two working days or in the further time as may be granted, the PB may, by powers vested in it, record hearings from the other side and/or itself conduct an enquiry or may entrust the process of enquiry including framing of charges and conducting the actual inquiry to any other official

of the University. However, if the situation so demands, the PB may convene an emergency meeting and call those concerned to depose before it immediately.

- (4) Evidence to the PB shall normally be presented orally. The student charged may be required to provide written/material evidence, if the PB so demands.
- (5) It shall be the responsibility of the student charged and the complainant to arrange for their respective witnesses to give oral evidence or to submit any written statements/material evidence in their defense. A Witness giving oral evidence may be cross-examined by the PB. A witness not available for cross-examination may submit evidence in writing. The PB shall not consider evidence from persons who are not prepared to have their names revealed to the PB. The names of persons appearing as evidence/witness shall be kept confidential.
- (6) The PB shall have the power to determine the order of proceedings and to exclude any material which appears irrelevant or repetitive or even seek clarification on oral/written submissions/material evidence.
- (7) The student charged will be invited to be present with a representative [optionally and who shall be another bonafide student only] whenever oral evidence is being heard. Representation through legal counsel/lawyer shall NOT be allowed in any case to any of the parties. Non-attendance of the student charged or her/his representative shall not bar the PB from proceeding ahead. The PB may at its discretion adjourn its proceedings in order to enable the student charged or the representative to be present.
- (8) The PB may adjourn a hearing in order to require a witness to attend for cross-examination. Where a witness who, in the opinion of the PB, is a vital witness, fails to attend, the PB may, at its discretion, postpone its deliberations or even continue with its proceedings. The PB may also adjourn / proceed with a case where it is of the opinion that its proceedings are being impeded by any circumstance beyond its control.
- (9) The PB shall meet to consider an adjourned case, as soon as it is feasible, and not later than 15 days after the adjournment, although the case may not be determined at the resumed meeting. Where it is not reasonably practicable for the same members to attend the PB meeting reconvened to hear an adjourned case, it may co-opt one or two additional members to form the quorum.
- (10) The PB is authorized to invite members where it deems necessary. However, the members so invited shall not have voting rights.

### d. GENERAL

- (1) No punishment shall ordinarily be imposed on a student unless the PB has followed normal procedures including due opportunity to the student(s) charged with an offence.
- (2) The PB shall draw up:

I) the substance of the imputation of major acts of indiscipline into definite and distinct articles of charge.

II) a statement of imputation of acts of indiscipline in support of each articles of charge, which shall contain-

- a) a statement of all relevant facts including any admission or confession made by the student (to be signed by the concerned student/s)
- b) a list of documents by which and list of witnesses by whom the articles of charge are proposed to be sustained. (to be signed by the concerned witness).
- (3) The Inquiry Authority shall prepare the report of inquiry which shall contain:
  - a) The articles of charge and the statement of imputation of acts of major indiscipline.
  - b) The defense of the student if any in respect of each article of charge.

c) An assessment of the evidence in respect of each article of charge, separately in respect of each student.

d) The finding on each article of charge and the reasons thereof.

- (4) In case the Vice-Chancellor or any Competent Authority is of the opinion that on the basis of the available material and evidence on record, a prima facie case exists against a student s/he may order suspension of the student including withdrawal of any or all facilities available to a bonafide student pending inquiry.
- (5) Notwithstanding any punishment mentioned above, the Vice-Chancellor may, keeping in view the gravity/nature of misconduct/act of indiscipline, the manner and the circumstances in which the misconduct/indiscipline has been committed, award a punishment in excess of or less than or other than what has been mentioned thereon for reasons to be recorded.
- (6) The Office of the Chief Proctor shall immediately report its decision to all the officials concerned for necessary action. It shall also report annually to the Vice-Chancellor and any such body that the Vice-Chancellor deems fit, on all cases arbitrated by it during the preceding academic year.

## 8.0 PLACING THE REPORTS OF INQUIRY BEFORE THE EXCUTIVE COUNCIL.

- (i) The Vice–Chancellor on the receipt of the record of inquiry from the Inquiry Authority shall cause the records to be placed before the Executive Council at its next meeting or at a special meeting, if necessary.
- (ii) The Executive Council after due consideration of the report and record of inquiry with the recommendation of the Vice–Chancellor shall pass such order as may be considered just and necessary.
- (iii) The Registrar of the University shall then communicate the orders of the Executive Council to the student if the decision is to rusticate the student.
- (iv) If the student rusticated was allowed to appear for the University Examination with a condition that the results will be with-held until the completion of the inquiry and the decision of the Executive Council thereon, the Registrar shall inform the Controller of Examinations that the result of the student shall not be announced.

## 9.0 **APPEAL**

- (i) Student/s shall be allowed to appeal against the fine/penalty imposed by the competent authority subject to provisions of the Rule 6.0. However, such an appeal shall be preferred by the concerned student/s within ten working days after the receipt of order of the competent authority.
- (ii) There shall be no appeal against the order of the Executive Council where student/s is/are subjected to expulsion from the University or is subjected to monetary fine by the EC. The decision of the Executive Council shall be final.

# 10.0 ACT/ACTS OF INDISCIPLINE MISCONDUCT OUTSIDE THE UNIVERSITY CAMPUS:

- i) The University shall not ordinarily take cognizance of act/acts of indiscipline committed by a student outside the University campus.
- ii) If a student is arrested or detained by orders of a magistrate on a change of criminal act involving moral turpitude committed outside the campus, the Vice-Chancellor after verifying the fact of such arrest and detention shall place her/him under suspension until s/he is released on bail or otherwise.
- iii) If a student is sentenced to imprisonment for an offence indulging moral turpitude, the Vice-Chancellor shall place her/him under suspension.
- iv) The Vice-Chancellor shall place the matter before the Executive Council which shall rusticate her/him from the University.
- v) If on appeal, the conviction is set aside, her/his rustication shall post facto cease.

# 11.0 INTERPRETATION

In case of a dispute with regards to the interpretation of any of the Rules mentioned above, the decision of the Vice-Chancellor shall be final.

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# LIST OF ACTIVE MEMORANDUM OF UNDERSTANDINGS (MOUs)

S.No.	Country	Organization	Objectives	Since date (yyyy- mm-dd)	Contact @ GU
1	India	Naval War College, Verem, Goa	Exchange of faculty members, students, Admin. Managers/Coordinators and academic material, Joint research activities & cultural programmes, Participation in seminars & academic meetings, Special short-term academic programmes. (MoU)	2024-06- 11	<u>Dean, School of</u> International and <u>Area Studies</u>
2	India	Deccan Fine Chemicals (India) Pvt. Ltd.	For the implementation of Corporate Social Responsibility focusing on Green Energy initiatives and activities. <u>(MoU)</u>	2024-05- 20	<u>Chairperson,</u> <u>Green Energy</u> Audit Committee
3	India	Bookworm	Placement of students for field work practicum in social work, Field work training in social work to the NGO, to build collaboration for research, consultancy and job placement for students of Social Work. (MOU)	2024-05- 06	<u>Dean, Manohar</u> <u>Parrikar School</u> <u>of Law,</u> <u>Governance &amp;</u> <u>Public Policy</u>
4	India	Caritas-Goa	Placement of students for field work practicum in social work, Field work training in social work to the NGO, to build collaboration for research, consultancy and job placement for students of Social Work. (MOU)	2024-05- 06	<u>Dean, Manohar</u> <u>Parrikar School</u> <u>of Law,</u> <u>Governance &amp;</u> <u>Public Policy</u>
5	India	Lifeline Foundation	Placement of students for field work practicum in social work, Field work training in social work to the NGO, to build collaboration for research,	2024-05- 06	<u>Dean, Manohar</u> <u>Parrikar School</u> <u>of Law,</u>

			consultancy and job placement for students of Social Work. (MoU)		Governance & Public Policy
6	India	Voluntary Health Association of Goa	Placement of students for field work practicum in social work, Field work training in social work to the NGO, to build collaboration for research, consultancy and job placement for students of Social Work. (MOU)	2024-05- 06	<u>Dean, Manohar</u> <u>Parrikar School</u> <u>of Law,</u> <u>Governance &amp;</u> <u>Public Policy</u>
7	India	Living Waters Museum	Five multimedia stories for the Goa Chapter at he Living Water Museum (www.livingwatersmuseum.org) and Participatory workshops and colloquiums with the ecosystem stakeholders on the theme of Goa and water. (MoU)	2024-05- 06	<u>Pednekar, S.</u>
8	India	Bodhi Pedagogy Services LLP	To provide training to the students and alumni to qualify for the competitive exams and Govt. jobs, and internship/placement opportunities. (MoU)	2024-01- 29	Director, DSPAR
9	India	American Institute of Indian Studies (AIIS)	Participation in seminars & academic meetings, Carrying out joint research activities, Admissions of students sponsored by AIIS, Exchange of academic materials & other information (MoU)	2023-12- 31	Director, DICE
10	India	Rikaian Techonology Pvt. Ltd.	Envisages to train faculty members and students on various aspects of the translation industry. Under the scope of the MOU RTPL shall offer translation services for documents, videos and other similar content for language pairs available on the CAT tool RIAN developed indigenously by RTPL. This will open up new avenues for Goa University to	2023-12- 14	<u>Dean, Shenoi</u> <u>Goembab School</u> <u>of Languages and</u> <u>Literature</u>

			team up in terms of language and technological collaboration. (MoU)		
11	India	Forum for Integrated Development and Research	Youth Enterprises Program (YEP) <u>(MoU)</u>	2023-12- 08	<u>Dean, Goa</u> Business School
12	India	Desh Apnayen Sahayog Foundation, Maharashtra	Online/offline Induction program, Capacity building and orientation program, Customized module/s for NSS voulunteers. Online/offline support to NSS voulunteers. (MoU)	2023-11- 16	<u>Sawant, Nitin S.</u>
13	India	ECSO Global Pvt. Ltd., New Delhi	To collaborate for joint technology development and commercialization of Agri- based research innovations. (MoU)	2023-10- 10	<u>Gawade Velip,</u> <u>Lata</u>
14	India	BITS Pilani	Academic and research collaboration in areas if mutual interest. Student exchange. Direct admissions to PhD. (MoU)	2023-10- 10	Director, DRDRM
15	Portugal	School of Law of the University of Lisbon	Exchange of professors & researchers and information & scientific publications, joint research projects & publications. <u>(MoU)</u>	2023-09- 29	Dean, Manohar Parrikar School of Law, Governance & Public Policy
16	India	Satkaam Foundation	To provide training to the Goa University Students for placement and transition to corporate life. <u>(MoU)</u>	2023-09- 05	Director, DSPAR
17	S. Korea	Ewha Womans University	Exchange of Research Personnel and Technical Information, Joint Research (MoU)	2023-08- 28	Dhuri, Sunder N.
18	India	Goa State Biodiversity	Assessment of fish catch, Understanding the trends of fish catch, To evaluate the impact on livelihood, To study	2023-05- 26	<u>Sawant, Nitin S.</u>

		Board (GSBB), Saligao, Goa	fish diversity along the coastline of Goa. <u>(MoU)</u>		
19	India	Institut Francais India	International training programme for French language teachers. <u>(MoU)</u>	2023-05- 22	<u>Silveira, Irene</u> <u>Conceicao</u>
20	India	Goa State Wetland Authority, Saligao	Shotgun metagenomi analysis of total microbial communities in varous habitats of a prostine and semi-urban wetland; Comparision of the respective microbial communities at the taxonomic and functional level. (MoU)	2023-05- 05	<u>Noronha, Judith</u>
21	Malta	University of Malta	Exchange of Faculty, students, Admin Managers/Coordinators, Joint research activities, Joint academic programmes. Meetings, seminars <u>(MoU)</u>	2023-03- 24	Director, DICE
22	India	Rubicon Skill Development Pvt. Ltd., Pune	Training students under Rubicon's Lifeskill Program <u>(MoU)</u>	2023-03- 20	Director, DSPAR
23	Bangladesh	Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU)	To establish friendly relations and identify areas of cooperation, especially in the Maritime Fields/ Ocean Science/ Marine Biology and Marine Biotechnology. (MoU)	2022-11- 17	<u>Dean, School of</u> <u>Earth, Ocean and</u> <u>Atmospheric</u> <u>Sciences</u>
24	India	BeMahika Tech Pvt. Ltd., Mumbai	To enhance skills, knowledge and employability of Women students/Alumnae of Goa University <u>(MoU)</u>	2022-08- 25	Director, DSPAR
25	India	Dy. Conservator of Forest, Research & Utilization Division, Margao	To carry out research on "Conservation and management of mangrove and intertidal mudflats along the coastline of Goa, India". <u>(MoU)</u>	2022-08- 25	<u>Sawant, Nitin S.</u>
26	India	Dy. Conservator of Forest, Research & Utilization	To carry out research on "Faunal Studies of Netravali and	2022-08- 25	<u>Sawant, Nitin S.</u>

		Division, Margao	Cotigao Wildlife Sanctuary". <u>(MoU)</u>		
27	India	Rotary Club of Panaji	Clock tower near the GU Library (MoU)	2022-08- 16	<u>Registrar</u>
28	India	Dy. Conservator of Forest, Research & Utilization Division, Margao	To carry out research on "The Biodiversity and Ecology of the Fragile Ecosystems of Goa: The Mangroves and the Saltpans". (MoU)	2022-08- 03	<u>Salgaonkar,</u> <u>Bhakti B.</u>
29	India	Institut Francais India	Provides a French Language Assistant to the Indian partner institution for 12 to 20 teaching hours weekly. <u>(MoU)</u>	2022-08- 01	<u>Silveira, Irene</u> <u>Conceicao</u>
30	India	ISRO, Dept. of Space (DOS), Govt. of India	The ground data collection in accordance with the project guidelines of the "Network of Observatories for Boundary Layer Experiments (NOBLE)". (MoU)	2022-02- 03	<u>Menon, H.B.</u>
31	India	ISRO, Dept. of Space (DOS), Govt. of India	The ground data collection in accordance with the project guidelines of the "Aerosol Radiative Forcing over India (ARFI) Project". <u>(MoU)</u>	2022-02- 02	<u>Menon, H.B.</u>
32	India	Electronic Sector Skills Council of India (ESSCI)	To cooperate and focus on cooperation within the area of skill-based training, education, research & development and employment. <u>(MoU)</u>	2021-10- 06	Director, DRDRM
33	India	Technology Information, Forecasting and Assessment Council (TIFAC)	Conducting training on "Foresight". <u>(MoU)</u>	2021-08- 02	Dean, School of Physical and Applied Sciences
34	Italy	University of Urbino	Exchange of faculty members, students, Admin. Managers/Coordinators and academic material, Joint research activities & cultural	2021-02- 24	Director, DICE

			programmes, Participation in seminars & academic meetings. (MoU)		
35	India	V.M. Salgaocar Trust	Establishment of V.M. Salgaocar Chair in Wildlife Studies <u>(MoU)</u>	2021-02- 23	Director, DVRPP
36	India	Naval War College, INS Mandovi, Verem-Goa	Exchange of faculty members, students, Admin. Managers/Coordinators and academic material, Joint research activities & cultural programmes, Participation in seminars & academic meetings, Special short-term academic programmes. (MoU)	2021-02- 19	<u>Dean, School of</u> International and <u>Area Studies</u>
37	Brazil	Ministry of Foreign Affairs of Brazil	Creation of lectureship in Brazilian Portuguese language, literature, culture and social studies, Plan and promote the study of the Portuguese language and Brazilian literature, Organise studies in teaching Brazilian literature and Portuguese language (MoU)	2020-12- 30	Director, DICE
38	Australia	James Cook University	To expand cooperation and the exchange of ideas in areas of mutual interest and to establish an academic, scientific and cultural cooperation between both Universities, in all the fields of common interest. (MOU)	2020-12- 11	Director, DICE
39	India	ICMR-National Institute of Malaria Research (NIMR), Goa	Exchange of Faculty, students, Admin Managers/Coordinators, Joint research activities, Joint academic programmes. Meetings, seminars <u>(MoU)</u>	2020-09- 25	Dean, School of Biological Sciences and Biotechnology
40	Spain	University of Deusto, Spain	Resources for Internationalisation of higher Education Institutions in India (RISHII) focuses on management approaches and modus operandi necessary to	2020-01- 15	<u>Koshy Tharakan</u>

			plan and implement curriculum internationalisation. (MoU)		
41	Indonesia	Universitas Telkom	Exchange of faculty members, researchers, students and technical-administrative staff (MoU)	2019-11- 12	Director, DICE
42	Portugal	Camoes IP	Establishing the Cunha Rivara Chair <u>(MoU)</u>	2019-09- 06	Dean, Shenoi Goembab School of Languages and Literature
43	India	MacBrout Engineering Pvt Ltd, Curtorim, Salcete, Goa	Use Microbiology laboratory space to develop best practices for handling and disposal of various process fluids <u>(MoU)</u>	2019-03- 22	Dean, School of Biological Sciences and Biotechnology
44	Mexico	University of Colima	To conduct cooperative activities in education (MoU)	2019-03- 21	Director, DICE
45	India	CSIR-Indian Institute of Petroleum, Dehradun	Academic interaction (exchange of students and personnel, organization of joint conferences, etc., guidance to students on areas such as Petroleum Refining and Applications, Petrochemicals, Biomass (agricultural, aquatic biomass) conversion, Biotechnology, etc.)); Sharing of facilities (MoU)	2019-03- 16	<u>Dean, School of</u> <u>Biological</u> <u>Sciences and</u> <u>Biotechnology</u>
46	Brazil	Faculdade De Educacao De Universidade De Sao Paulo	Exchange of faculty members, researchers, students and technical-administrative staff (MoU)	2019-03- 01	Director, DICE
47	Portugal	University of Porto	Establish an academic, scientific and cultural cooperation, exchange of students, academic and administrative staff as well as researchers <u>(MoU)</u>	2019-01- 31	Director, DICE
48	India	Drepung Losel Ling Monastery, Mundgod, Karnataka	Exchange of faculty members, students, Admin. Managers/Coordinators and academic material, Joint	2019-01- 14	<u>Coelho, J.P.</u>

			research activities & cultural programmes (MoU)		
49	Argentina	Universidad De Palermo	Joint research projects & cultural activities, Exchange of Faculty, Students and academic material <u>(MoU)</u>	2018-12- 10	Director, DICE
50	India	Institute of Chinese Studies, New Delhi	Exchange of faculty & students for internship, joint research activities, exchange eof academic material, short term academic programmes (MoU)	2018-11- 15	<u>Dean, School of</u> International and <u>Area Studies</u>
51	Brazil	Universidad Federal de Juiz de Fora	Academic cooperation for the exchange of students, teaching staff, researchers & members of technical & administrative staff (MoU)	2018-09- 28	Director, DICE
52	India	IIT, Delhi	To establish the Unnat Bharat Abhiyan <u>(MoU)</u>	2018-02- 27	<u>Directorate</u> (DUBA)
53	USA	University of South Carolina, Aiken	Academic & Cultural cooperation, Exchange of Faculty, students, Admin Managers/Coordinators, Joint research activities, Joint academic programmes. Meetings, seminars <u>(MoU)</u>	2017-11- 16	<u>Director, DICE</u>
54	USA	University of South Carolina, Beaufort	Academic development, research, exchange of students,faculty & staff, development of educational opportunities <u>(MoU)</u>	2017-11- 16	Director, DICE
55	India	Central Marine Fisheries Research Institute	Collaborative R&D academic interaction and collaboration in research projects and academic programmes <u>(MoU)</u>	2017-08- 18	<u>Mukhopadhyay,</u> <u>P.</u>
56	France	Embassy of France in India/ Institut Francais	French Tutor at Goa University <u>(MoU)</u>	2017-04- 26	Dean, Shenoi Goembab School of Languages and Literature

57	France	Sciences Po Lyon	Exchange of Faculty, students, Admin Managers/Coordinators, Joint research activities, Joint academic programmes. Meetings, seminars <u>(MoU)</u>	2017-04- 17	<u>Dean, Shenoi</u> <u>Goembab School</u> <u>of Languages and</u> <u>Literature</u>
58	India	Directorate of Women and Child Development	State Resource Centre for Women of Goa set up at GU <u>(MoU)</u>	2017-03- 17	Dean, Manohar Parrikar School of Law, Governance & Public Policy
59	Malta	University of Malta	Exchange of Faculty, students, Admin Managers/Coordinators, Joint research activities, Joint academic programmes. Meetings, seminars <u>(MoU)</u>	2017-01- 19	Director, DICE
60	India	IIIT, Delhi	Non-commercial research use of IIIT-D disguise face database <u>(MoU)</u>	2016-12- 20	Dean, School of Physical and Applied Sciences
61	India	Rotary Club of Panaji	To construct a clock tower near the GU Library <u>(MoU)</u>	2016-11- 18	<u>Registrar</u>
62	Portugal	Instituto Camões, Lisboa	To establish the Chair Joaquim Heliodoro Da Cunha Rivara to promote Portuguese studies (MoU)	2016-04- 07	Director, DICE
63	Italy	University of Padova	Joint academic cooperation through scientific research, educational activitie, exchange of information, faculty and students (MoU)	2015-02- 16	Director, DICE
64	India	Goa State Biodiversity Board	Medicinal plants Biodiversity Exhibition and Awareness for school and college students and general public <u>(MoU)</u>	2015-01- 23	<u>Janarthanam,</u> <u>M.K.</u>
65	India	DBT, Govt. of India	HRD Programme in Marine Biotechnology	2014-08- 18	Dean, Shenoi Goembab School of Languages and Literature
66		Indian Academy of Sciences	Refresher courses in Experimental Physics <u>(MoU)</u>	2013-11- 08	Priolkar, K.R.

	India	(renewed in 2019)			
67	India	Dept. of Biotech., Ministry of Sci. and Tech.	To support a project by Dr. R. Roy on Lipidomics of some fishes: Control of inflammatory diseases <u>(MoU)</u>	2013-11- 03	<u>Roy, R.</u>
68	India	Jawaharlal Nehru University	Inter-University Consortium on Geo-spatial Information System (MoU)	2013-09- 12	<u>Mahender, K.</u>
69	India	Centre for Internet and Society	To digitize Konkani Vishwakosh, to enhance digital literacy in Konkani language <u>(MoU)</u>	2013-08- 21	<u>Registrar</u>
70	India	Directorate of Census Operations, Goa	Setting up workstation for research on micro data from Census <u>(MoU)</u>	2013-03- 26	<u>Sudarsan, P.K.</u>
71	India	INFLIBNET	Participate in the Repository of Theses and Dissertations (MoU)	2012-08- 09	<u>Librarian</u>
72	Germany	Duale Hochschule Baden- Württemberg, Ravensburg	Student and Faculty exchange (MoU)	2012-06- 30	<u>Dean, Goa</u> Business School
73	Portugal	University of Porto	Talks; Paleography courses	2012-06- 30	Director, DICE
74	Japan	Nihon University	Academic & Cultural Exchange (MoU)	2012-06- 18	Director, DICE
75	Portugal	Instituto Camões, Lisboa	To promote Portuguese Language through programmes & Inter-exchange of teachers of specialized teaching in various areas linked with Department of Portuguese (MoU)	2007-01- 14	Director, DICE
76	Portugal	University of Aveiro	Sharing programme through exchange of scholars (Faculty members and students) to participate in formulating and	2004-02- 20	Director, DICE

			carrying out collaborative research projects (MoU)		
77	Germany	Technische Hochschule Ingolstadt, Ingolstadt	Student and Faculty exchange (MoU)	2000-07- 01	<u>Dean, Goa</u> Business School
78	India	Alliance Francaise de Goa	Collaboration to enhance the objectives of teaching and research in French (MoU)	1999-05- 12	Dean, Shenoi Goembab School of Languages and Literature

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### LIST OF RECOGNISED INSTITUTIONS

Sr. No.	Name of the Institution and Address	Head of the Institute
1.	<b>National Institute of Oceanography (NIO),</b> Dona Paula, Goa – 403 004.	Dr. Sunil Kumar Singh Director Contact: 2450450/ 2456700 Email: <u>tmarihal@nio.org</u>
2.	<b>Directorate of Archives &amp; Archaeology</b> , Govt. of Goa, Panaji, Goa-403 001.	Smt. Blossom Medeira Director Contact: 2226692/2435321 Email: dir-arch.goa@nic.in
3.	Xavier Centre of Historical Research (XCHR), B.Borkar Road, Alto Porvorim, Bardez, Goa 403521.	Fr. (Dr.) Anthony Da Silva S.J., Director, Contact: 2417772/ 2414971 E-mail: info@xchr.in
4.	ICMR-National Institute of Malaria Research, Directorate of Health Services Bldg., Campal, Panaji, Goa – 403001.	Dr.Nina Valecha, Director, Contact: 0832-2222444, 2222440 E-mail: <u>ashwani07@gmail.com</u> nimrfugoa@gmail.com
5.	National Centre for Polar & Ocean Research (NCPOR) Headland Sada, Vasco da Gama, Goa-403804	Shri Javed Beg Director, Contact: 25255600 E-mail: <u>director@ncpor.res.in</u> info@ncpor.res.in
6.	<b>Thomas Stephens Konknni Kendr</b> , (TSKK) B.B. Borkar Road, Alto Porvorim, Goa – 403 521.	Fr. Apollo Cardozo, Director, Contact: 2415857 / 2415864
7.	<b>Fishery Survey of India (FSI),</b> Govt. of India, Fishery Survey of India, Opp. Microwave Tower, Bogda Road, Mormugao, Goa–403803	E-mail: <u>tskkgoa@gmail.com</u> Dr. M.E. John Zonal Director Contact: 2520248/ 2520957 E-mail: fsimormugaobase@gmail.com
8.	ICAR, Indian Council of Agricultural Research.	Dr. Eaknath B. Chakurkar, Principal Scientist.
	Opp. Railway Station, Tiswadi, Karmali-Goa 403 402	Ph. 0832 2284678 Ext. 132
9.	Syngenta Biosciences Pvt. Ltd. Santa Monica Works,	Dr. Bhanu Manjunath, Whole Time Director. Ph. 0832
	Corlim, Ilhas, Goa, 403110	2490500 (Back to Contents)

# List of Affiliated Colleges of Goa University

Sr. No.	Name of College & Address	Principal/ Officiating Principal	Principal Personal Email-id	College Contact No.	College/Pri ncipal Email-id	Programmes/Courses offered (grant-in-Aid, Self-Financed & Ph.D Programmes
1	SSA Govt. College of Arts & Commerce, Virnoda, Pernem.Virno da, Pernem, Goa - 403512	Dr. Pravina Kerkar	Principal Email ID: mariacarl a98@gm ail.com	2201210 / 6450149	College email ID : gcacpg@sa ncharnet.in / gcacpg@ya hoo.co.in	Grant -in-Aid ProgramsBA (Honours) Hindi & Marathi BA General English - Geography History - Economics Economics - Geography Geography - Marathi Konkani - History Konkani - History Konkani - Hindi Hindi - Geography Marathi - Economics English Konkani History English B.COM (Honours) Accounting / Cost Accounting / Cost Accounting / Business Management M.COM (Accounting & Finance / Business Management) M.A in Marathi Ph. D in Commerce
2	Govt. College of Arts, Science & Commerce, Sanquelim- Goa - 403505	Dr. Gervasio S.F.L. Mendes (R) 703815214 0 / gervasiome ndes@redif fmail.com	gervasio <u>mendes</u> @rediffm ail.com		College email ID : gcascs@gm ail.com / office no2364271 gcascnql@ bsnl.in 942109427 1 Principal Email ID: mariacarla 98@gmail. com	<ul> <li>B.A- English,</li> <li>Geography</li> <li>History, Economics</li> <li>Geography,</li> <li>Konkani,</li> <li>History, Marathi,</li> <li>Hindi, philosophy and</li> <li>Political Science</li> <li>B. Com</li> <li>B.Sc- Biotechnology,</li> <li>Botany, Chemistry,</li> <li>Computer Science,</li> <li>Geology, Mathematics,</li> <li>Physics and Zoology</li> </ul>
3	Govt. College of Arts, Science & Commerce, Quepem-goa 403705	Dr. Joydeep Bhattachar ya (R) Mob:95796 71708	joydeep2 @gmail.c om	2662342	govtcollege quepem@g mail.com / gcascq@re diffmail.co m (discontinu ed)	<b>B.A-</b> English, Geography History, Economics Geography, Konkani, History, Marathi, Hindi, Political Science, Sociology, Yoga, Indian

						Culture, Environmental Studies, Information Technology and Library Science <b>B. Com</b> <b>B. Sc</b> - Botany, Chemistry, Computer Science, Geology, Mathematics, Physics, Zoology and Information Technology <b>M.Com</b>
4	Govt. College of Arts, Science & Commerce, Khandola, Marcela. Goa - 403107	Dr. Purnakala Samant Mob:93261 42001	samantpu rnakala@ gmail.co m	2287718 / 2288369	gcasck@re diffmail.co m	Bachelor of Arts (Honour) 1. Honours in Economics 2. Honours in Geography 3. Honours in Hindi 4. Honours in Political Science B.A. General Programmes 1. English-Geography 2. English -Pol. Sc. 3. Economics-Pol.Sc. 4. Economics-Pol.Sc. 5. Geography-Konkani 6. Geography-Pol.Sc. 7. Hindi-Marathi 8. Hindi-Pol.Sc 9. Marathi-Konkani 10. English-Psychology Bachelor of Science(Honours) 1. Honours in Chemistry 2. Honours in Computer Science 3. Honours in Microbiology 4. Honours in Mathematics 5. Honours in Mathematics 5. Honours in Advanced Accounting 2. Honours in Cost and Management 3. Honours in Business Management

						Masters of Arts 1. Geography Masters of Science 1. Inorganic Chemistry 2. Microbiology Masters of Commerce Ph. D. (Cluster Research Centre) 1. Chemistry 2. Geography 3. Microbiology B. Voc. In Software Technologies
5	Govt. College of Commerce & Economics, Borda, Margao. Goa - 403601	Prof. F. M. Nadaf			gcc.margao @gmail.co m	B.Com.
6	Parvatibai Chowgule College of Arts & Science, (Autonomous) , Fatorda, Margao.Gogol, Margao, Goa - 403602	Dr. Ananya Das	nns001@ chowgule s.ac.in srg001@c howgules .ac.in	2759504 / 2722222	principal@ chowgules. ac.in	B.A in english, French, Hindi, Konkani, Marathi, Economics, Geography, History, Philosophy, Psychology, Sociology, Mathematics, B.sc Physics, Chemistry, Botany, Zoology, Computer Science, Geology, Mathematics, Geography Post- Graduate Diploma in Computer Science B.Sc in Biochemistry & Biotechnology T.Y. B.Sc in Sociology T.Y. B.A. Sociology B.Voc- Software Development Post-Gratuate Degree M.A. Geography & English, Child Psychology & Child Development M.Sc. Information technology, Analytical Chemistry Geoinformatics PG- Diploma in Geoinformatics, Clinical Genetics & Medical Lab. Techniques. Ph.D in Geography & Hindi
7	Shree Damodar	Dr. Sanjay Sawant	pritamally a@yahoo	2722501 /	principal.sd cc@vvm.ed	Undergraduate: Bachelor of Commerce
	College of Commerce &	Dessai	.com	2722500	u.in / office.sdcc	(B.COM) $\rightarrow$ Grant-in- AidBachelor of
	Economics,					Commerce(Honours)

	Comba, Margao.G R Kare Road, Tansor, Comba, Margao, Salcete, Goa - 403601				@vvm.edu. in	(B.COM(Hons)) → Grant-in-AidBachelor of C omputer Applications (BCA) → Self-Financed, Bachelor of Vocation in Software Technologies (B.Voc.(ST)) → Self- FinancedBachelor of Business Administration in Financial Services (BBA(FS)) → Self- FinancedBachelor of Business Adminstration (BBA(Gen)) → Self- Financed Postgraduate: Master of Commerce (M.COM) → Self- FinancedPostgraduate Diploma in Finance and Taxation (PGDFT) → Self-Financed
8	Carmel College of Arts, Science & Commerce for Women, Nuvem, Salcete. Nuvem, Goa - 403713	Dr. Sr. Maria Lizanne A.C. Mob: 988136986 7	<u>maria.liza</u> <u>nne@gm</u> <u>ail.com</u>	2790714	carmelcolle ge64@gma il.com	Grant -in- aid 1) Bachelor in Arts( B.A) 2) Bachelor of Commerce (B.Com) 3) Bachelor in Science ( B.Sc) Post- Graduate Self-Financed courses:- 1) M.A. in Psychology 2) Master of Commerce 3) M.Sc. In Food Technology
9	Rosary College of Commerce & Arts, Navelim. Navelim, Salcete, Goa- 403707	Dr. Helic Barreto Mob:94223 87629	principal @rosaryc ollege.org hlcbrrtt3 @gmail.c om	2701564 (Principal) 2701564 (Office)	rosarycolle ge.1990@g mail.com	Bachelor of Commerce (B.Com)Bachelor of Arts (B.A)Bachelor of Computer Applications (B.C.A)Bachelor of Business Administration (B.B.A)Bachelor of Business Administration in Travel & Tourism (B.B.A - T&T)Master of Commerce (M.Com)Ph.D in Commerce, Cluster System
10	C. E. S's College of Arts & Commerce, Cuncolim, Salcete.Cuncol	Prof. Avinash Raikar		2865774 (Principal) 2865210 (Office)	principal@ cescollege. ac.in / Office@ces college.ac.i n	B.A. General, B.com honours (Grant-in-Aid) Ph.D Cluster in Commerce, Geography and Economics

	im, Salcete, Goa - 403703					
11	M. E. S's College of Arts & Commerce, Zuarinagar. Zuarinagar, Vasco, Goa - 403726	Dr.Manasvi m. Kamat Mob:94224 15052	bawamee nakshi@y ahoo.com	2555772 (Prin)	mescollege 1@gmail.c om	B.A-GIA, B.Com-GIA, BBA-Shipping & logistics Self financed, BCA-Self Financed, M.Com-Self Financed
12	DPM's Shree Mallikarjun & Shri Chetan Manju Desai College, Delem- Canacona, Goa Delem Campus, Canacona, Goa - 403702	Dr. Sucheta Naik		2633433	shreemallik arjuncolleg e@gmail.c om	Bachelor in Arts (General) Bachelor in Commerce (Honours) Bachelor in Commerce (Honours) Ph.D in Commerce & Geography
13	GVM's GGPR College of Commerce & Economics, Farmagudi, Ponda.Farmag udi, Ponda, Goa - 403401	Mr. Krishna Shetye		2335875 / 2335868	gvmcce@y ahoo.in	1. Bachelor of Commerce B.Com. (Hons.) - Grant-in-Aid 2. Bachelor of Computer Application(B.C.A) - Self-Financed 3. Master of Commerce (M.Com) - Self-Financed
14	P.E.S's College of Arts & Science, Farmagudi, Ponda.Farmag udi, Ponda, Goa - 403401	Dr. Vikas Pissurlekar (R) Mob:83294 64616	vikjsp@ya hoo.co.in / vikjsp@g mail.com / vikjsp@re diffmail.c om	2335296 (Anita) / 2335171	pessrsncol @gmail.co m pondaeduc ationsociet y22@gmail .com	<ul> <li>B.A- English,</li> <li>History, Economics</li> <li>Konkani,</li> <li>Marathi, Philosophy</li> <li>Hindi, Political Science</li> <li>and Psychology</li> <li>B. Sc- Botany,</li> <li>Chemistry,</li> <li>Mathematics, Physics,</li> <li>Zoology, Physical</li> <li>Education and</li> <li>Information Technology</li> </ul>
15	Swami Vivekanand Vidyaprasarak Mandal's College of Commerce,	Shri Shekhar Sawant	skmbhat @yahoo.c o.in	2333029	svvmcolleg e@yahoo.c om	B.com (Honours)

	Borim, Ponda.Shirshir e, Bori, Ponda, Goa - 403401					
16	Swami Brahmanand Mahavidyalay am, Kundaim.Shre e Kshetra Tapobhoomi, Kundaim, Ponda, Goa - 403115	Shri. Dnyaneshw ar Patil Mob:91300 66362		79724379 67 (wrong) 91300663 62 75077715 61 / 75077717 50	sbrahmavid .goa@gmai l.com	B.A in sanskrit
17	SATERI PISANI EDUCATION SOCIETY'S Shri. Gopal Gaonkar Memorial Multi faculty College, Dharbandora- GoaNH-4A, Ponda- Belgaum Road, Dayanand Nagar, Tal Dharbandora, South Goa - 403406.	Dr. Shaikh Mohamma d P. Al- Usmani Mob:74999 18491 / 750765269 5/ 942264382 1	parvez_g oa@yaho o.com gmfcgoa2 013@gm ail.com	2344064/ 62 77680065 80 / 74999184 82	gmfcgoa20 13@gmail. com	Bachelor of Commerce (Grant-in-Aid) Bachelor of Computer Applications (Grant-in- Aid) Bachelor of Business Administration (Grant-in-Aid)
18	St Joseph Vaz College, Cortalim, Mormagao.Ch urch Street, Cortalim, South Goa - 403710	Dr. Maria A. A. R. Fonseca Mob:70387 96639/ 942205537 7	mariafons eca@redi ffmail.co m	2550814( Principal) 2550812( Office)	principal@ stjosephvaz college.in/ goasjvc@g mail.com / principal@ sjvc.ac.in	B. Sc(Hons.) Chemistry & Botany (Grant-in-Aid Programmes)
19	P. E. S's College of Education, Farmagudi, Ponda.Post Box no. 3, Farmagudi, Ponda, Goa - 403401.	Mr. Ratnadeep N. Khade Mob:97669 09191	pes.princi pal.edu@ gmail.co m & ratnadee p.khade1 5@gmail. com	2335162 /2335016 /2335516 (0832) - 2974572 / 2974527	princi_pesc oe@yahoo. in pondaeduc ationsociet y22@gmail .com	B.Ed Self Financed
20	Nirmala Institute of Education, Altinho, Panaji.Nirmala	Dr. Delia Antao Mob:90115 45383		2225633	niegoa@g mail.com / info@nirm alainstitute .org	B.Ed. M.A. in Wellness Counselling & Post Graduate Diploma in

	Institute of Education, Altinho, Panjim, Goa - 403001.					Guidance & counselling (PGDGC)
21	G. V. M's Dr. Dada Vaidya College of Education, Farmagudi, Ponda.Post Box No. 139, Farmagudi, Ponda, Goa - 403401.	Dr. Jojen Mathew Mob:94238 13450	jojenmat hew@gm ail.com	2335880	gvm.educol @gmail.co m	B.Ed. (Govt. Aided) M.Ed. (Self Financed) Ph.D, Diploma in Pre- Primary Teacher Training Programme (self Financed)
22	Ganpat Parsekar College of Education, Harmal- GoaVidya Sankul , Bhom plateau, Harmal Pernem, Goa - 403524	Shri Uddhesh Natekar Mob:98232 32629	abhishnat ekar@ya hoo.in	84591453 94	hpsm1967 @gmail.co m/ ganpatpars ekareducat ion@hotm ail.com	Grant-in-Aid B. Sc B.Ed & B.A. B.Ed
23	V.M. Salgaocar College of Law, Miramar, Panaji, Goa. Miramar, Panjim, Goa - 403001	Dr. Shaber Ali	-	0832- 24642225 / 0832- 2464211	vmscl@red iffmail.com	<ol> <li>B.A L.L. B (Grant-in- Aid),</li> <li>L.L. B Degree (Self Finance)</li> <li>LL.M (Self Financed)</li> <li>Ph.D</li> </ol>
24	Govind Ramnath Kare College of Law, Comba, Margao. P. O. Box No. 777, G. R. Kare Road, Tansor, Comba, Margao, Goa - 403601.	Dr. Goretti Simoes		0832- 2722544 (Office) 0832- 2722540 / 2722541 (Principal)	karelaw_go a@rediffm ail.com / principal.gr kcl@vvm.e du.in	1.B.A.LL.B 2) LL.B. (Degree) 3) LL.M. 4)Ph.D.

25	St. Xavier's College, Mapusa, Bardez.P.O. Box No. 32, Mapusa, Bardez, Goa - 403507	Ms. Ursula Barreto Contact no. 78878 37841 / 93224336 44	blanonym as@yaho o.com	2262356 / 2250705	xavierscolle ge1963@g mail.com	Undergraduate (Regular Course): Bachelor of arts (B.A. General & B.A.Honours) Bachelor of Commerce(Honours)Ba chelor of Science (Honours) Undergraduate (Slef- Finance Course): B.A (Mass Communication) B.A. (Journalism) B.Sc. Biotechnology Bachelor in Computer Application (BCA) Bachelor in Business Administration (BBA) Bachelor in Business Administration (BBA) Bachelor in Business Administration (Travel & Tourism) (BBA {T&T}) Post Graduate (Self Financed courses) Master of Arts in Psychology (MA) Master of Commerce (M.Com) Master of Science in Physical Chemistry (M.Sc.)
26	Dhempe College of Arts & Science, Miramar,Panaj i.P.O. Box No. 222, Miramar, Panaji, Goa - 403001	Prof. Vrinda Borker Mob:98221 29669	borkarvp @gmail.c om	2462376 (Angela) / 2461507	dhempe@r ediffmail.c om / principal@ dhempecol lege. edu.in	Grant -in- Aid: Bachelor in Arts & bachelor in Science <b>Self Financed :</b> Bachelor of Science (Biotechnology), Master in Sience (Analytical Chemistry)
27	S.S. Dempo College of Commerce & Economics, Cujira, Bambolim.Dee ndayal Intergrated School Complex, Opp. GMC (Bambolim), Cujira, St. Cruz, Ilhas, Bambolim, Goa - 403202	Dr. Manoj Kamat		2976649	principal@ dempocoll ege.edu.in	Grant -in- aid 1) Bachelor of Commerce (B.Com) <b>Self-Financed</b> 1) Bachelor of Business Administration (BBA) 2) Master of Commerce (M.Com) 3) Integrated Masters of Commerce (I.M.Com) 4) Masters of Tourism & Travel Management (MTTM) 5) Post Graduate Diploma in Management - Event Management (PGDM- EM) 6) 6 months Certifiacte course in Event Management

28	Don Bosco College, Panaji. Panaji, Goa - 403001	Shri Cedric Silveira Mob:88300 34811	cedricsilv eira@yah oo.com (???)	88300348 11 / 6644321	donboscog oa@rediff mail.com	Bachelor of Computer Applications (BCA) Bachelor of Business Administration (BBA) Bachelor of Business Administration (Travel and Tourism) - BBA (T&T) Bachelor of Arts Mass Communication - (BAMC) Bachelor of Social Work (BSW) Bachelor of Physical Education (BPEd) Master of Social Work (MSW)
29	Sridora Caculo College of Commerce & Management Studies, Khorlim, Mapusa.Telan g Nagar, Khorlim, Mapusa, Goa - 403507.	Dr. Santosh B. Patkar Mob:94211 57379	patkar_sa ntosh@re ddifmail.c om	2254478 / 2250042	caculocolle ge@gmail.c om	1) B.Com 2) BCA 3) BBA
30	Fr. Agnel College of Arts & Commerce, Pilar. Pilar, Goa - 403203	Dr. Fr. Fredrick Rodrigues		2218673	fragnelcol @rediffmai l.com / principal@f ragnelcolle ge.edu.in	Bachelor of Arts (Grant- in-aid) Bachelor of Commerce (Grant-in-aid) Bachelor of Computer Application (Self- financed) Ph. D in Commerce & Economics (under cluster option)
31	D.M's College & Research Centre, Assagao, Bardez.Assaga o, Bardez, Goa - 403507	Dr. D. B. Arolkar Mob:94223 13340	dbarolkar @rediffm ail.com	0832 2994488 0832 2995683	info@dmsc ollege.ac.in dmcoffc@g mail.com	<ul> <li>B.A -English &amp; History, English &amp; Economics, Economics &amp; history</li> <li>B.A (honours</li> <li>Programme) Economics</li> <li>&amp; History, B.Sc.</li> <li>(honours Programme)</li> <li>in Computer Science, Electronics, Chemistry, Geology, Mathematics,</li> <li>B.com. (Honours</li> <li>Programme) Financial Accounting, Auditing and Taxation, Business</li> <li>Management, Banking and Financial Services, Cost and Management Accounting. B.Com Self</li> <li>Financed Programme</li> </ul>

						<b>B.B.A, B.C.A, M.com,</b> <b>M.Sc.</b> (Pharmaceutical Chemistry, Organic Chemistry, Environmental Science) <b>Ph.D</b> in Commerce& Chemistry
32	Vidya Prabodhini College of Commerce, Education, Computer & Management, Porvorim.Vidy a Nagar, Alto Porvorim, Goa - 403521	Dr. Bhushan Bhave Mob:96731 23355	bhushanb havegoa @gmail.c om	2410500	info@vidya prabodhini college.edu .in vidyaprabo dhinigoa@ gmail.com	B.Com Grant-in-Aid B.A.B.Ed Grant-in-Aid
33	Mandre College of Commerce, Economics & Management. Mandre, Pernem.Mand re, Pernem, Goa - 403527	Prof. Tushar Anvekar Mob:93226 29905	tsanvekar @yahoo.c o.in	22247269	mandrecoll ege@yaho o.in	B.Com.
34	Narayan Zantye College of Commerce, Bicholim. Post-Industrial Estate, Vathadev, Sarvan, Bicholim, Goa - 403529	Dr. Rajendra V. Kumbharju venkar Mob:88308 64215	asmnad3 @rediffm ail.com raj_shriya @rediffm ail.com	2361377 / 93568847 29 (Devendr a Sawant)	zantyeedu @rediffmai l.com	Grant-in-Aid: B.Com. Self Financed: M.Com Ph.D Programme : Reasearch Centre for Ph.D in Commerce Clustered with Sant Sohirobanath Ambiye Govt. College of Arts & Commerce, Virnoda, Pernem-Goa.
35	National Institute of Hydrography, Vasco-da- Gama.Mormu gao, Goa - 403802	Capt. Sajeev K. Nair Contact: 783812054 5		2582800 Reception : 0832- 2582808	info- nih.goa@ni c.in nhsgoa@h otmail.com	<ol> <li>Post Graduate</li> <li>Diploma in Hydrography</li> <li>2.M. Sc in Hydrography</li> <li>3.Certificate in</li> <li>Hydrography</li> </ol>
36	Goa College of Music, Altinho, Panaji.Dr. T. B. Cunha Educational Complex,	Dr. Shashank Maktedar Mob:94230 57240		2232507 / 2432528	goacollege ofmusic@g mail.com	2 Years Foundation Course(Vocal, Tabla & Harmonium), 4 years Bachelor of Performing Arts (Vocal, Tabla & Harmonium), 2 years Master of Performing Arts (Vocal

	Altinho Panaji, Goa - 403001					& Tabla), 3 Years Ph.D. in Music
37	Goa College of Art, Altinho, Panaji.Altinho, Panaji, Goa - 403001	Shri. Wilfred Goes	therajeev .shinde@ gmail.co m	2226104	goacollege ofart@gma il.com / ppl- gcart.goa@ gov.in	B.F.A Applied Art B.F.A Painting M.F.A Applied Art M.F.A Painting
38	Goa College of Architecture, Altinho, Panaji.Dr. T.B.Cunha Educational Complex, Altinho, Panaji, Goa - 403001	Dr. Ashish K Rege Mob:75881 54577		2436435	gca.archoffi ce@gmail.c om	B. Architecture and M. Architecture
39	Goa College of Home Science, Campal, Panaji.Dayana nd Bandodkar Road, Opposite Parade Ground, Campal, Panaji, Goa - 403001	Dr. Mahesh Pai mob:98221 21176	drmahesh pai@gmai l.com	2227603/ 2425254	principalgc hs@rediff mail.com	B.Sc. (Hons) Home Science (Grant-in-Aid)
40	Goa Medical College & Hospital, Bambolim- Goa403202	Dr. Shivanand Bandekar Mob:94209 20890	shivaban dekar@g mail.com	2458727/ 2495169 98812115 83 (Acad- P)	dean- gmc.goa@ nic.in / acad- gmc.goa@ gov.in / msgmcgoa @gmail.co m	I. Bachelor of Medicine and Bachelor of Surgery II. <u>DOCTOR OF</u> <u>MEDICINE</u> 1. M.D. Anatomy 2. M.D. Physiology 3. M.D. Biochemistry 4. M.D. Pharmacology 5. M.D. Pathology 6. M.D. Pathology 6. M.D. Microbiology 7. M.D. Forensic Medicine 8. M.D Community Medicine

		9. M.D. General Medicine 10. M.D. Paediatrics 11. M.D. Psychiatry 12. M.D. Anaesthesiology 13. M.D. Radio Diagnosis 14. M.D. Dermatology, Venerology & Leprosy III. <u>Master of Surgery</u> 16. M.S. Obstetrics & Gnynaecology 17. M.S. General Surgery 18. M.S. Oto Rhino Laryngology 19. M.S. Ophthalmology 20. M.S. Orthopaedics IV. <u>DIPLOMA</u> 21. Forensic Medicine(D.F.M.) V. <u>MASTER OF CHIRURGIAE</u> 1. M.Ch. Neurosurgery 2. M.Ch. cardio Vascular and Thoracic Surgery 3. M.Ch. Plastic and Reconstructive SUrgery 4. M.Ch. Urology VI. <u>DOCTOR OF MECINE</u> 5. D.M. Cardialogy 6. D.M. Cardialogy 6. D.M. Cardiac Anaesthesia 7. D.M. Nephrology 8. D.M. Endocrinology <b>Under Graduate</b> <u>Courses</u> 1. B.P.T. (Bachelor of Physiotherapy) 2. B.O.T. (Bachelor of Optometry) 4. B.Sc.M.I.T (B.Sc. in Medical Imaging Technology) 5. B.Sc.A.T. (B.Sc. in Anaesthesia Tachnology)
		Technology) 5. B.Sc.A.T. (B.Sc. in

						Physiotheraphy 2. Master of Physiotheraphy in Neurosciences. 3. Master of Physiotheraphy in Paediatrics. 4. Master of Physiotheraphy in Commucity Physiotheraphy and Rehabilitation. Master in Occupational Theraphy (MOT) 1. Master of Occupational Therapy in Musculoskeletal Sciences and Hand Rehabilitation. 2. Master of Occupational Therapy in Neurosciences. 3. Master of Occupational Therapy in Paediatrics & Developmental Disabilities. 4. Master of Occupational Therapy in Mental Health Sciences.
41	Goa Dental College & Hospital, Bambolim.RAJ IV GANDHI MEDICAL COMPLEX BAMBOLIM GOA - 403202	Dr. Ida de Ataide Noronha Mob;94230 60880	idanataid e@yahoo .com	2459812 / 815	dean- gdch.goa@ nic.in	Grand-in-aid
42	Institute of Psychiatry & Human Behavior, Bambolim.Op p. Holy Cross Shrine, Bambolim, Goa - 403202	Dr. Shivanand Bandekar mob:94209 20890	shivaban dekar@g mail.com	2458687 / 2458240	dir- iphb.goa@ nic.in	<ol> <li>M. Phil in Psychiatric Social Work</li> <li>Post Basic Diploma in Psychiatric/Mental Health Nursing</li> </ol>
43	Institute of Nursing Education, Bambolim- Goa Opposite Military Workshop, Bambolim-	Dr. Wilson Nicolau Fernandes	principal- ine.goa@ nic.in	2458191 / 2459727	principal- ine.goa@ni c.in	M.Sc Nursing Program 2) B. Sc Nursing Program 3)Post Basic Diploma in Neonatal Nursing 4)Post Basic Diploma in Cardiothoracic Nursing

	Goa Pin Code: 403202					
44	Vrundavan Institute of Nursing Education, Colvale, Bardez. Colvale, Bardez, Goa - 403513	Mrs. S. Rajeswari (R) Mob:74482 02838 / 875472083 2	rajiawant hika@gm ail.com	3260844 / 92259885 70	vinegoa@y ahoo.in	BASIC B. SC NURSING SELF FINANCED
45	Shri Kamaxidevi Homeopathic Medical College & Hospital, Shiroda Shivshail, Karai, Shiroda, Goa - 403103	Prof. (Dr) Roshani R. Shirwaikar Mob:98907 19379	drsdnaik0 1@gmail. com drshubha shirwaika r@gmail. com	2307441 (Principal) 2306842 / 2307441 (Office)	skhmchgoa 98@gmail. com	Bachelor of Homoeopathic, Medicine & Surgery, (B.H.M.S) Self Financed
46	Bhartiya Sanskriti Prabodhini's, Gomantak Ayurveda Mahavidyalay a & Research Centre, Shiroda, Goa. Vazem, Shiroda, Goa - 403103	Dr. Anura Prashant Bale Mob:98225 89751	baleanura @rediffm ail.com	2306309	ayurgoa@r ediffmail.c om / ayurgoa@s ancharnet.i n	1). BAMS (Ayurvedacharya) 2) PG Rasashastra and Bhaishajya kalpana 3)PG Kayachikitsa
47	PES's Rajaram & Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda.Farmag udi, Ponda, Goa - 403401	Dr. S. N. Mamle Desai Mob:83907 73995	smamled esai@redi ffamil.co m	2335020 / 2335162	principalrtb cop@gmail .com / principal@ pespharma .edu.in / pondaeduc ationsociet y22@gmail .com	B-Pharmacy-Self Financed M.Pharmacy(Pharmace utical Chemistry and Pharmaceutics)-Self Financed
48	Goa College of Pharmacy, Panaji-Goa 403001	Dr. Gopal krishna Rao Mob:91580 55530	gkfadnis @gmail.c om	2226882 / 2226883	gcpprincipa l@yahoo.c om	B.Pharm , M. Pharm (Pharmaceutical Quality Assurance) M.pharm (Pharmacology) M.pharm (Pharmacognosy) M.pharm (Pharmaceutical

						Chemistry) Ph.D in (Pharmacy)
49	Goa College of Engineering, Farmagudi, Ponda.Goa - 403401	Dr. Krupashan kara Mysore Sethuram Mob:94224 42153	krupasha nkara@g ec.ac.in	2336301/ 401 (Principal) 2336302/ 303 (Office)	ppl@gec.ac .in / acad@gec. ac.in	<ul> <li><b>B.E</b> Electronics Engineering VLSI Design and Technology.</li> <li><b>M.E</b> Industrial Engineering Part Time.</li> <li><b>M.E</b> Information Technology Engineering.</li> <li><b>B.E</b> Civil Engineering.</li> </ul>
50	Shree Rayeshwar Institute of Engineering & Information Technology, Shiroda.Shivsh ail - Karai, Shiroda - Goa. 403103	Dr. Anurag Jain		2307431 (Principal) 2307001 (/32/99) or 2307855 (Principal)	principal.rit goa@gmail .com / ar_ritgoa@ rediffmail.c om	Electronics & Telecommunication Engineering 2) Computer Engineering 3) Information Technology 4) Mechanical Engineering
51	Don Bosco College of Engineering, Fatorda Margao -Goa- 403602	Dr. Neena S. P. Panandikar Mob:98236 25216	neena110 @rediffm ail.com / principal @dbcego a.ac.in	2741045 / 2743944	dbcefatord a@gmail.c om / dbcefatord a@dbcego a.ac.in / principal@ dbcegoa.ac .in	Civil Engineering Mechanical Engineering Computer Engineering Electronics & Computer Science Engineering
52	Padre Conceicao College of Engineering, Verna.Agnel Technical Education Complex, Agnel Ganv, Verna Goa - 403722	Dr. Mahesh Parappago udar Mob:98268 07268	maheshp g@gmail. com	2791266 / 67	agnelpcce @gmail.co m	<b>4 self-financed courses</b> - Bachelor of Computer Engineering, Bachelor of Electronics and Computer Engineering, Bachelor of Mechanical Engineering, Bachelor of Information Technology

53	Agnel Institute of Technology & Design, Assagao Bardez.	Prof. J. William	vm@aitd goa.edu.i n jw@aitdg oa.edu.in	2268032	aitdgoa@g mail.com	Bachelor of Engineering (Computer Science Engineering) Bachelor of Engineering (Electronics & Communication Engineering) Bachelor of Engineering (Mechanical Engineering)
54	Goa College of Hospitality & Culinary Education, Cidade-de- Goa. Cidade de Goa, Vainguinim Beach, panaji- Goa. 403004	Dr. Edgar D'Souza Mob:0832- 2454560/6 1	principal @gchce.c om	2454560/ 61	principal@ gchce.com / goahospital itycollege @cideadeg oa. Com/ admin@gc hce.com	BBA in Hospitality and Culinary management. Self-Financed
55	VM Salgaocar Institute of International Hospitality Education, Salcete.Manor a Raia, Salcete, Goa - 403720	Shri Irfan Mirza Contractual	irfan.mirz a@vmsiih e.edu.in	98228078 14 / 83266230 00 / 96079988 20 / 96079900 89	info@vmsii he.edu.in / martha.reb ello@vmsii he.edu.in	1. B.Sc. International Hospitality Management- (Self Financed) 2. B.Sc. Culinary Arts (Self Financed) 3. M.Sc. International Hospitality and Tourism Management- (Self Financed)
56	Ramanata Crisna Pai Raikar School of Agriculture, (Community College), Savai-Verem, Ponda.Madhal awada, Savoi- Verem, ponda-Goa	Dr. Santosh B. Patkar		94211573 79	<u>rcpragriSch</u> <u>ool@gmail.</u> <u>com</u>	Advance Diploma in Agriculture (Self- Financed)
57	Kala Academy Goa College of Theatre Arts, Campal, Panaji.Campal, Panaji, Goa - 403001. Shanti Nagar, Ponda-Goa 403401 Ph. No.: 0832- 2312147 For Panaji Office: Kala	Prof. Rajay Pawar		2420451/ 52/53/54	kalaacade mygoa@ya hoo.co.in / collegeofth eatrearts.k a@gmail.c om	Bachelor of Performing Arts (Theatre)

	Academy Goa's College of Theatre Arts, Old Secretariat Complex (Adil Shah Palace), Panaji-Goa 403001 Ph. No.: 0832- 2420450/51/5 2/53/54 For Ponda Office: Kala Academy Goa's College of Theatre Arts, C/O Rajiv Gandhi Kala Mandir,					
58	J D Institute of Fashion Technology, Panjim- GoaMushtifun d Saunstha, Near Mahalaxmi Temple, Dada Vaidya Road, Panjim Goa - 403001	Babu Rajendra Prasadh	principal. goa@jdin dia.com	Ph. 0832- 2433450 (O),	goa@jdindi a.com / principal.go a@jdindia. com / principal.go a@jdindia. com	BSc Honours in Fashion and Apparel Design (Self - Financed) BSc Honours in Interior Design (Self - Financed)
59	Dnyanvardhini Divyang Training College for Special Education, Bogda, VascoSanjay Centre for Special Education, Bogda, Vasco da Gama, Goa 403804	Mrs. Manju Sashidhara n		0832- 2413120/ 24 0832- 2412880	scseg.porv orim@yah oo.in/ principaldd tcbed20@g mail.com	B. Ed in Special Education (MR/ID) (Grant-in-Aid)

60	Kamaxi College of Culinary Arts, Utility Plot no 1, Phase 1A, Verna Industrial Estate, Verna Goa 403722, India.	S.T.VINODK UMAR Mobile: 93564 43123	_	91-832- 6626363 / 91 93564 43123	program.m anager@ka maxicolleg e.edu.in / info@kama xicollege.e du.in	B.VoC CULINARY MANAGEMENT Self-Financed
61	Sai Nursing Institute, Old PHC Building, Sankhali Goa.; City, Sankhali Goa.	Dr. V. Muruthraj	-	0832 236 4023	sainursingi nstitute@g mail.com .	ANM, B. Sc (Nursing) GNM, M.Sc. & P.B. B. Sc
62	Goa College of Agriculture State Agricultural Management & Extension Training Institute, Ela Farm Complex, Ela- Old Goa 403 402	Dr. Suresh Kunkalikar	-	+91-832- 2284703		B.Sc. (Hons.) (Agriculture), Post Graduate Diploma in Agriculture) & B.Sc. (Agriculture)
63	Goa College of Physiotherapy Naturopathy & Yogic Sciences JVJ4+HWH, Bodiem, Tivim, Goa 403502	Shri. Pandurang N. Kurtikar	-	+91- 82650 44896	admissions @gcpnygoa .com	Bachelor of Naturopathy & Yogic Sciences (BNYS) And Bachelor of Physiotherapy (BPT)
64	Naval Special Warfare and Tactical Training Centre INS Mandovi Verem, Goa 403109	Lt Cdr. Mahesh Yadav Training Officer	2403856	srcnswttc @navy.go v.in/myna meismah esh619@ gmail.co m		Advance Diploma in Security management and Risk Assessment
65	All India Institute of Ayurveda (AIIA), Mopa Airport Road, Dhargal, Pernem-Goa- 403513	Prof.(Dr.) Sujata Kadam	90283835 05			1 Foundation Course in Yogic Sciences for wellness 1-7 2 Certificate course in Garbhasanskar 8-9 3 Certificate course in Cultivation and

					Propagation of Ayurveda Herbs 10-19 4 Certificate course in Ethics and Communication
66	Shri Bhumika Nursing College, Parye Sattari, P.O. Sankhali Goa 403505	Dr. S. Vasantha Kumari	86987719 05	shribhumi kanursing college@ gmail.co m	BSc Nursing BSc (Hons.) Nursing Post Basic BSc Nursing ANM GNM Advanced Diploma in Ophthalmic Care Management Diploma in Home Nursing Diploma in Home Nursing Diploma in Emergency and Trauma Care Technician Diploma in Nursing Administration Diploma in Neuro Nursing Diploma in Neuro Nursing Diploma in Health Assistant (DHA)
67	Harmal Panchakoshi Shikshan Mandal's College of nursing, Vidya Sankul, Bhom Plateau, Arambol(Harm al), Pernem- goa-403524	Mrs. Kiruba Gnana Chitra J.	86987803 03/ 78759189 70	hpsmcoll egeofnurs ing@gmai I.com	ANM, B. Sc (Nursing) GNM (Nursing)

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The information contained in this Prospectus is subject to changes with the revision of UniversityOrdinances/Rules.Ordinancesareavailableatbelowhyperlinkhttps://www.unigoa.ac.in/index.php#

- **OA-20** Ordinance relating to the Policy of Admission to the Post Graduate Academic Programmes of Goa University (Applicable for candidates who registered from the academic year 2018-19 onwards)
- **OA-19A** Ordinance Governing the Degree of Doctor of Philosophy (Ph.D.) (under Section 24(1) of the Goa University Act, 1984) (Applicable for candidates who registered from the academic year 2017-18 onwards).
- OA-35 Ordinance governing the M.A., M.Sc. M.Com., M.S.W., L.L.M., M.T.T.M., M.P.Ed., M.L.I.Sc., MBA, MBA (FS), MBA (Executive), MCA and M. Sc. (I.H.T.M.) and other such Masters Programmes of study conducted by the on-campus Schools of Goa University and its Affiliated Colleges based on the Choice Based Credit System of Instruction. (Effective from Academic Year 2022-2023)

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