



GOA UNIVERSITY

**POSTGRADUATE STUDIES
&
RESEARCH PROGRAMMES**

**PROSPECTUS
2018-2019**

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SCHEDULE FOR ADMSSION OF VARIOUS PROGRAMMES – 2018-19

- Last date for submission of Online Applications for Admission 04/06/2018

SCHEDULE OF RANKING TESTS

- Ranking Test for all Programmes (including Candidates from other Universities) will be conducted in four sessions between-

- 06/06/2018 to 12/06/2018
- Sessions shall be from (I) 10.00 – 11.30 am; (II) 12.00 - 01.30 pm
(III) 02.00 - 03.30 pm; (IV) 04.00 - 05.30 pm

- Display of the consolidated Ranking Test Results 14/06/2018
- Display of the First Provisional List of Admission (including Waiting list) 14/06/2018
- Last date for payment of fees by candidates in the First List 18/06/2018
- Display of the Second Provisional List of Admission (including Waiting list) 19/06/2018
- Last date for payment of fees by candidates in the Second List 20/06/2018
- Final List for Admission 21/06/2018
- Last Date for Late Admission to Semester – I and payment of fees 22/06/2018
- Last date for admission for Semester – III and payment of fees 13/06/2018

RAGGING ON THE CAMPUS IS STRICTLY PROHIBITED AND PUNISHABLE BY LAW

Please refer to Page No. 118 for UGC Regulations on Ragging and Page No. 128 & 129 for Affidavit to be submitted by the students and Parents/Guardians

The information contained in this Prospectus is subject to changes with the revision of University Ordinances/Rules. Ordinances are available at below hyperlink.

(https://www.unigoa.ac.in/uploads/config_docs/20180508.141946~Ordinance_4May2018.pdf)

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-18A	Ordinance for Credit-Based Masters Degree Programmes in the subjects of Languages, Humanities, Commerce and Sciences in Goa University and Affiliated Colleges (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).
OB-12	Ordinance regarding the Degree of Master of Philosophy (M.Phil.) (Under Section 24(1) of the Goa University Act, 1984). (Effective from 15th February, 2011)

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GOA UNIVERSITY

CHANCELLOR



Smt. Mridula Sinha
Hon'ble Governor of Goa

VICE-CHANCELLOR



Prof. Varun Sahni

ACADEMIC

DEANS

Faculty of Languages & Literature



Prof. Ishrat Bi Khan

Faculty of Social Sciences



Prof. N. S. Bhat

Faculty of Natural Sciences



Prof. Gourish M. Naik

Faculty of Life Sciences & Environment



Prof. M.K. Janarthanam

Faculty of Commerce & Management Studies



Prof. K.B. Subhash

Faculty of Engineering



Prof. J.A. Laxminarayana

Faculty of Education



Dr. Allan Abreo

Faculty of Law



Dr. M.R.K. Prasad

Faculty of Performing, Fine Art & Music



Shri M. V. Vengurlekar

Faculty of Design



Prof. Ashish K. Rege

Faculty of Medicine



Prof. R.G. Wiseman Pinto

ADMINISTRATION

REGISTRAR



Prof. Y.V. Reddy

CONTROLLER OF EXAMINATIONS



Prof. Anuradha Wagle

FINANCE OFFICER



Prof. Purva Hegde Desai

JOINT REGISTRAR (ACADEMIC)



Shri Donald A.E. Rodrigues

JOINT REGISTRAR (GENERAL ADMINISTRATION)



Shri M. Shreedhara

LIBRARIAN



Dr. V. Gopakumar

UNIVERSITY ENGINEER



Shri V.L. Sawkar

HEAD OF COMPUTER CENTRE



Shri M. Chakraborty

ASST. DIR. OF PHYSICAL EDUCATION & SPORTS

Shri M. Fernandes

ASSISTANT REGISTRARS

Smt. Maya Sawant (Academic-PG Dept)
Shri Audhoot Kalangutkar (Academic - General)
Smt. S. J. Chari (Exam-PG)
Smt. B. T. A. D'Mello e Daniel (Legal)
Shri A. Verenkar (Finance)
Smt. S.S.S. Neurekar (Non-Teaching)

Smt. S. S. Figueiredo (Academic-Colleges)
Shri Vivek Salaskar (Exam-Professional)
Shri Kunal Naik (Exam-UG)
Shri A. Nagarsekhar (Finance)
Shri Leo Macedo (Purchases)
Smt. Sneha Talkar (Teaching)

DIRECTORATES OF GOA UNIVERSITY

Sr. No.	Name	Designation	Activities
1	Shri Ramrao Wagh Directorate of Digital Learning and Initiatives (DDLI)	Director	DEITI, MOOC, SWAYAM, Digital Archives
	Directorate of Visiting Research Professors Programme (D-VRPP)	Director	VRPP selection and implementation
2	Prof. Koshy Tharakan Directorate of International Cooperation and Exchange (DICE)	Director	Foreign Students, MoUs (Domestic and Foreign), SIP, etc.
3	Prof. Pranab Mukhopadhyay Directorate of Internal Quality Assurance (DIQA)	Director	Role of IQAC
4	Shri Dattesh Parulekar Directorate of Students Welfare (DSW)	Director	DSW
5	Prof. V.V. Kamat Directorate of Rashtriya Uchattar Shiksha Abhiyaan (D-RUSA)	Director	RUSA activities
6	Dr. Sunder N. Dhuri Directorate of Unnat Bharat Abhiyaan (D-UBA)	Director	Unnat Bharat Abhiyan activities
7	Prof. Rahul Tripathi Directorate of Foreign Students (DFS)	Director	Advising Foreign Students
8	Prof. Kaustubh R.S. Priolkar Directorate of Research & Development and Resource Mobilisation (D-RDRM)	Director	Agency Funding
9	Dr. Jyoti Pawar Directorate of All India Survey of Higher Education (D-AISHE)	Director	Providing Higher Education Data
10	Dr. Rafael Fernandes Directorate for Minority Students	Director	To implement Schemes
11	Dr. Anthony A.A. Viegas Directorate of Extra Mural Studies and Extension Services (D-EMS&ES)	Director	To design and implement programmes
	Directorate of Student Placement and Alumni Relations (D-SPAR)	Director	Placement Activity and Alumni Links

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LIST OF VISITING RESEARCH PROFESSOR PROGRAMME CHAIRS (VRPP)

SR. NO.	NAME OF CHAIRS	NAME OF VISITING FACULTY
1	D.D. Kosambi Chair in Interdisciplinary Studies	Prof Romila Thapar
		Prof Madhav Gadgil
		Prof Sudhir Kakar
		Prof Shahid Amin*
		Prof Kukmum Roy*
		Prof Dhruv Raina*
		Prof Ishita Dube*
		Prof Saurabh Dube*
2	Dayanand Bandodkar chair in Political Economy	Prof Amit Bhaduri
		Prof Ashok Chandra
		Prof Satish Deshpande*
		Prof Prabhat Patnaik*
		Prof Rammanohar Reddy*
3	Kavivarya Bakibaab Borkar chair in Comparative Literature	Prof Ashok Vajpayi
		Prof Nirmala Jain
		Prof Jeet Thayil
		Prof Githa Hariharan*
		Prof Vrinda Nabar*
		Prof Uday Bhembre*
4	Mario Miranda chair in Art, Fine Art	Prof Orijit Sen*
		Prof Jyotindra Jain
		Prof Sheba Chachhi
		Prof Vidya Dehejia *
		Prof Raman Shiva Kumar*
5	Anthony Gonsalves chair in Western music	Prof Santiago Girelli*
		Prof Mark Troop*
6	Nana Shirgaokar Chair in Indian Music	Smt. Shubha Mudgal
		Ustad Dagar
		Smt. Bombay Jayashri*
		Smt. Vidya shah*
7	Sant Sohriobanath Ambiye	Prof B V Nemade
		Prof Somnath Komarpant
		Prof S.M Tadkodkar*
		Prof V.D. Sawant*
*- currently Active Professors.		

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P R E F A C E

Ever since its inception in 1985, Goa University has had an impeccable record of catering to the educational needs and solving the socio economical problems of the region. The University plays a vital role in developing, enhancing, and improving the quality of human resources to meet the challenges of regional, national and global socio-economic changes. The main objectives of the University are to achieve excellence in teaching and research and to create better career opportunities for the students of Goa and neighbouring states and to contribute to the national and regional development.

The University is relentless in its efforts in maintaining standards in teaching and research, ensuring proper character building and development among the students, encouraging community developmental programmes and nurturing leadership in young men and women. More importantly the University has been playing a vital role in empowering the students particularly those coming from the disadvantaged and underprivileged segments of Goan society through the dissemination of various educational programmes.

Goa University has always subjected itself to continuous self-evaluation for maintaining standards and to reach set targets. Further, to assure quality in Higher Education the University has gone through the process of assessment and accreditation by National Assessment and Accreditation Council (NAAC) in April 2014. The Peer Committee has analysed the strengths and weaknesses of the Institution and has assessed the University with 'A' grade and crossed an important milestone in its history. Recently, the University has been ranked, at 68th position among all Indian Universities and 98th position among all Higher Educational Institutions, by the MHRD under National Institute of Ranking Framework (NIRF). This has brought in more visibility to Goa University on the academic map of India. Further, it also highlights our sincere efforts in strengthening the academic culture in the State of Goa.

This Prospectus contains a synopsis of all academic programmes offered by the University at its campus, brief profile of the Departments, as well as other relevant information that will provide the students with an overview of the academic ethos at the University. Though, care has been taken to provide information as per existing rules, the same is subject to changes with revision of the University's Ordinances/Rules from time to time.

EDITORIAL COMMITTEE

Prof. Vishnu Murty Matta (Chairperson)
Department of Marine Sciences

Prof. Nagendra Rao (Member)
Department of History

Dr. Rafael Fernandes (Member)
Department of English

Dr. Vidhyadatta M. Shet Verenkar (Member)
Department of Chemistry

Dr. Joanna Pereira Coelho (Member)
Department of Sociology

Dr. P. Sriram (Member)
Department of Commerce

Mrs. Maya Sawant (Member Secretary)
Assistant Registrar, Academic (PG)

Mr. Chandrakant Shirur
Lower Division Clerk

ACADEMIC CALENDAR 2018-2019

The arrangement for Academic Terms for M.A./M.Sc./M.Com./M.C.A./B.L.I.Sc./M.L.I.Sc. (**ON CAMPUS**) for the Academic Year 2018-2019 shall be as follows:

Item	Duration	No. of Days
Term -I	06/06/2018 to 24/11/2018	
Reopening	06/06/2018	
Teaching begins	20/06/2018	
Ganesh Chaturthi Break	17/09/2018 to 18/09/2018	02 days
Diwali Break	05/11/2018 to 07/11/2018	03 days
Teaching ends	02/11/2018	90 days
Preparatory Break	coincides with Diwali break	
For students	(03/11/18 to 07/11/18)	
SEA- Sem. I / III/ V& Repeat	08/11/2018 to 23/11/2018	11 days
Exam & assessment		
Term-II	26/11/2018 to 03/05/2019	
Teaching begins	26/11/2018	
Christmas Break	24/12/2018 to 28/12/2018	05 days
Teaching ends	09/04/2019	90 days
Preparatory Break	10/04/2019 to 12/04/2019	03 days
SEA- Sem. II / IV/ VI& Repeat	15/04/2019 to 30/04/2019	11 days
Exam. & Assessment		
Summer Vacation/Break	05/05/2019 to 05/06/2019	32 days
Reopening	06/06/2019 (Thursday)	

Note: All breaks except the preparatory breaks shall be treated as Vacation for the Teachers.

OA-17.3 Attendance and eligibility to appear for Examinations

A student registered in a Semester / Term / Year, for any Programme (degree or diploma), shall be required to have a **minimum cumulative attendance of 75% of the total lectures and practicals** prescribed for the programme during that Semester /Term / Year. Although the attendance shall be cumulative for all the papers / courses taken together, in the given Semester / Term / Year, a student shall be required to have a minimum of 50% attendance in any individual paper / course.

INSTRUCTIONS TO STUDENTS

Wearing/displaying University ID cards by Post Graduate / Research students while they are on any part of the campus shall be compulsory and it shall be binding on the students to follow instructions given by any security staff of the University.

The Arrangement for Academic Terms for M.A./ M.Com /M.Sc. in **Affiliated Colleges** for the Academic Year 2018-2019 shall be as follows:

Re-opening	12/06/2018	
Term I	12/06/2018 to 26/11/2018	
Teaching Sem I/III	12/06/2018 to 13/10/2018	
Ganesh Chaturthi Break	12/09/2018 to 22/09/2018	93 Teaching days
Winter break	15/10/2018 to 3/11/2018	
Teaching ends	13/10/2018	
SEA: Sem I/Sem III/Repeat Exam and assessment	8/11/2018 to 23/11/2018	
Term II	26/11/2018	
Teaching Sem II/IV	26/11/2018 to 28/03/2019	
Christmas Break	24/12/2018 to 2/01/2019	
Preparatory Break	29/03/2019 to 9/04/2019	93 Teaching days
Teaching Ends	28/03/2019	
SEA: Sem II/Sem IV/Repeat Exam and assessment	15/04/2019 to 30/04/2019	
Summer Vacation/Break	02/05/2019 to 11/06/2019	
Re-opening	12/06/2019	

Academic Terms for MBA (Semester System) MBA/ MBA(FS)

Programme	Sem 1 & 3		SEA		Sem 2 & 4		SEA		Internship	
	Commencement	End	Commencement	End	Commencement	End	Commencement	End	Commencement	End
MBA	02.07.2018	16.11.2018	19.11.2018	28.11.2018	29.11.2018	09.04.2019	10.04.2019	18.04.2019	22.04.2019	28.06.2019
MBA(FS)	02.07.2018	16.11.2018	19.11.2018	28.11.2018	29.11.2018	09.04.2019	10.04.2019	18.04.2019	22.04.2019	28.06.2019

**Department of Management Studies-Academic Terms
Integrated MBA Hospitality Travel & Tourism**

Integrated MBA Hospitality Travel & Tourism Suggested Academic Terms following a Trimester System

Programme	Term IX, XIII		Term X, XIV		Term XI & XV		Term XII XVI (Internship & Vacation)	
	Commencement	End	Commencement	End	Commencement	End	Commencement	End
IMBA (2014,15)	02.07.2018	28.09.2018	01.10.2018	31.12.2018	02.01.2019	29.03.2019	01.04.2019	30.06.2019

Integrated MBA Hospitality Travel & Tourism Suggested Academic Terms following a Semester System

Programme	Sem 1,3 & 5		SEA		Sem 2, 4 & 6		SEA		(Internship & Vacation)	
	Commencement	End	Commencement	End	Commencement	End	Commencement	End	Commencement	End
IMBA (2016,17,18)	02.07.2018	09.11.2018	12.11.2018	16.11.2018	19.11.2018	3.04.2019	04.04.2019	10.04.2019	11.04.2019	30.06.2019

Vacation/Breaks

Ganesh Chaturthi Break	17.9.2018 to 18.9.2018	02 days
Diwali Break	5.11.2018 to 7.11.2018	03 days
Christmas Break	24.12.2018 to 28.12.2018	05 days

ACADEMIC TERM FOR POST GRADUATE DIPLOMA IN CLINICAL GENETICS & MEDICAL LABORATORY TECHNIQUES:

Last date of receiving applications	: 18-06-2018
Display of 1 st Merit List	: 22-06-2018
Last date for Payment of fees by the Candidates in the 1 st List	: 27-06-2018
Display of 2 nd Merit List	: 28-06-2018
Last date for Payment of fees by the Candidates in the 2 nd List	: 02-07-2018

1st Term :

Teaching begins	: 03-07-2018
Teaching ends	: 12-10-2018
Ganesh Chaturthi Break	: 17-09-2018 to 18-09-2018
Diwali Break	: 5-11-2018 to 7-11-2018
Exams and Assessment	: 29-10-2018 to 26-11-2018

2nd Term :

Teaching begins	: 04-12-2018
Teaching ends	: 19-03-2019
Christmas Break	: 24-12-2018 to 28-12-2018
Exams and Assessment	: 05-04-2019 to 03-05-2019

3rd Term :

Internship	: 01-08-2019 to 31-01-2020
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ELIGIBILITY CRITERIA FOR ADMISSION TO POST GRADUATE PROGRAMMES

The eligibility criteria for admission to the various Post-Graduate programmes:

1. The candidate must pass the Bachelor's examination with a minimum of 40% marks in the relevant subject.
2. Admission is based on the merit list prepared on the basis of marks obtained in the Ranking Test in relevant subject.
3. Further details regarding the eligibility criteria (including interdisciplinary subjects) will be available on the University website.

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IMPORTANT INFORMATION TO STUDENTS (Certificate Enquiries)

SR.NO.	TYPES OF CERTIFICATES	CONTACT DIVISION/DEPARTMENT
1.	Eligibility Certificate	Academic-Colleges 8669609019, arcolg@unigoa.ac.in
2.	Migration Certificate	Academic-Colleges 8669609019, arcolg@unigoa.ac.in
3.	Transference Certificate	Respective Departments
4.	Duplicate Marksheet	Examination-PG 8669609033, arexampg@unigoa.ac.in
5.	Provisional Degree Certificate	Examination-PG 8669609033, arexampg@unigoa.ac.in
6.	Convocation Degree Certificate	Examination-UG Section 8669609009, convo.query@unigoa.ac.in
7.	No Due Certificate	Library 8669609012, librarian@unigoa.ac.in
8.	Bonafide Certificate	Academic-PG (through Department) 8669609021/065, arpg@unigoa.ac.in
9.	Revaluation	
	a. Under Graduate programmes	Examination-UG 8669609035, arexamug@unigoa.ac.in
	b. Post Graduate programmes	Examination-PG 8669609033, arexampg@unigoa.ac.in
	c. Professional programmes	Examination-PROFESSIONAL 8669609034, arexamprof@unigoa.ac.in

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NUMBER OF SEATS AVAILABLE IN EACH PROGRAMME AND RESERVATIONS (ON CAMPUS)

S. No.	Programmes	Total Seats available	SC	ST	OBC	Differently Abled	Other Indian Universities	Wards of Ex-Servicemen	General Category
A	P. G. Programmes*								
Faculty of Languages and Literature									
a.	English	50	1	6	14	3	2	1	23
b.	French	15	1	2	4	1	2		5
c.	Hindi	40	1	5	11	2	2	1	18
d.	Konkani	50	1	6	14	3	2	1	23
e.	Marathi	30	1	4	8	2	2		13
f.	Portuguese	15	1	2	4	1	2		5
Faculty of Social Sciences									
a.	Economics	40	1	5	11	2	2	1	18
b.	History	55	1	7	15	3	2	1	26
c.	Philosophy	15	1	2	4	1	2		5
d.	Political Science	30	1	4	8	2	2		13
e.	Sociology	20	1	2	5	1	2		9
f.	International Studies	15	1	2	4	1	2		5
g.	Library and Information Science (B.L.I.Sc) (S.F.)	25	1	3	7	1	2		11
h.	Library and Information Science (M.L.I.Sc) (S.F.)	20	1	2	5	1	2		9
i.	Women's Studies	15	1	2	4	1	2		5
Faculty of Natural Sciences									
a.	Chemistry	80	2	10	22	4	2	1	39
b.	M.C.A.	60	1	7	16	3	2	1	30
c.	Earth Science	25	1	3	7	1	2		11
d.	Electronics	15	1	2	4	1	2		5
e.	Mathematics	30	1	4	8	2	2		13
f.	Physics	40	1	5	11	2	2	1	18
Faculty of Life Sciences & Environment									
a.	Botany	30	1	4	8	2	2		13
b.	Marine Science	25	1	3	7	1	2		11
c.	Marine Biotechnology	26	As per Central Government rule				National Admissions		
d.	Biotechnology	20	1	2	5	1	0		11
e.	Microbiology	20	1	2	5	1	2		9
f.	Marine Microbiology (S.F.)	20	1	2	5	1	6		5
g.	Zoology	30	1	4	8	2	2		13
h.	Biochemistry (S.F.)	20	1	2	5	1	2		9
Faculty of Commerce & Management Studies									
a.	M.Com.	60	1	7	16	3	2	1	30
b.	M.B.A. (FINANCIAL SERVICES) (S.F.)	60	1	7	16	3	2	1	30
c.	M.B.A.	60	1	7	16	3	All India	1	32
d.	Integrated M.B.A (U. G.) (S.F.)	30	1	4	8	2	2		13
B.	Post Graduate Diploma Programmes								
a.	Clinical Genetics & Medical Lab. Tech. (S.F.)	20	1	2	5	1	2		9
b.	Applied Plant Sciences (S.F.)	10	1	1	3	1	1		3

*The University may decide to change the number of seats depending on demand and available infrastructure.
S.F.=Self Financed

RESERVATION UNDER VARIOUS CATEGORIES

As per the revised guidelines of the UGC, reservation of seats in case of Scheduled Caste (SC) and Scheduled Tribe (ST) candidates for admission to various programmes of study in the University shall be on the basis of the reservation policy of the State Government.

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.

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. Candidates applying for admission under these categories shall be required to submit a certificate to that effect issued by the officer of the rank of the Deputy Collector or above.

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 other backward classes (**OBC**) of the State of Goa as per the directives of the State Government. Candidates applying under this category shall be required to submit a certificate issued to that effect by the officer of the rank of the Mamlatdar or above.

5% of total seats, subject to minimum one seat for admission to various programmes of study shall be reserved for **differently abled** candidates (as per State Government directives).

1% of total seats shall be reserved for Children of Ex- servicemen.

10% of seats, subject to a **maximum of two seats and a minimum of one seat** in each programme of study, except the MCA & MBA programmes of study, shall be made available for candidates of **other Universities**. Entrance Test shall be conducted by all Departments for admission to candidates from other Universities. Only those candidates who secure 40% or more marks in the Entrance Test shall be eligible for admission under this category.

Seats falling vacant under any of the above reserved categories shall be filled from the general category candidates with the approval of the Vice Chancellor.

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 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.

i. For National Admission programmes the reservation percentage is as per Central Government Rules.

Admission to candidates with more than one attempt

Candidates passing the qualifying examination in more than one attempt will be deemed eligible for admission, but for the purpose of equating their performance with that of candidates passing the examination at first attempt, the percentage of marks (aggregate) obtained by them shall be deemed to be less by 3% for every subsequent attempt than the actual percentage of marks obtained by them at the qualifying examination.

Note: For the attention of candidates from other Universities seeking admission to the above programmes:

- Candidates should have eligibility to study Post-Graduate programmes such as M.A. / M.Sc. / M.Com MCA / MBA in their respective branches.
- Candidates should fulfill minimum percentage of marks and pass grade as above in their qualifying examinations.
- Candidates fulfilling the above two conditions will have to answer an **Entrance Test** at Goa University. [\(Back to contents\)](#)

REFUND OF TUITION FEES

- a) If a student chooses to withdraw from the programme of study in which he/she is enrolled, the following four-tier system shall be followed for the refund of fees remitted by him/her.

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 before the formally notified last date of admission.	100%
2.	Not more than 15 days after the formally notified last date of admission.	80%
3.	More than 15 days but less than 30 days after formally notified last date of admission.	50%
4.	More than 30 days after formally notified last date of admission.	00%

* (Inclusive of tuition fees and non-tuition fees but exclusive of Caution Deposit and Security Deposit)

- b) In case of (1) in the table above, 10% of the aggregate fees 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 him/her 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.

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.

- e) All other cases of the refund of the fees will be decided on case to case basis on its merit.

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FACULTY OF LANGUAGES & LITERATURES

Dean: Prof. Ishrat Bi Khan

Department of English	Programmes Offered	Intake	Fees (Rs.)
Established: 1965(CPIR)	M.A.	50	5910.00
Code: EG	M.Phil.		11800.00
	Ph.D.		11575.00

The Department 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 Department with emphasis on British, Indian, American and other literatures. Comparative Literature, Translation Studies and Cultural Studies are allied areas of study for the Department.

Head of the Department: Caldeira, N.,

List of Faculty & Specialisations

Professors

Bhat, K. S., Ph. D. (Mangalore University) Literary Theory, Critical Theory & Cultural Studies

Caldeira, N., Ph. D. (Goa University) Goa Cultural Studies, Post-Colonial Literature, Linguistics and American Literature

Associate Professor

Fernandes, A. R., Ph. D. (Goa University), Novel, Linguistics, Commonwealth Literature and Language Laboratory

Assistant Professor

Chaubey Anjali, M.Phil (JNU) .

M.A. English Programme **Scheme of Instruction (Semester System)** **Choice Based Credit System**

COURSE CODE	COURSE TITLE (CORE COURSES)	NO. OF CREDITS
EGC 101	Linguistics	4
EGC 102	English Poetry: from Chaucer onwards	4
EGC 103	English Novel	4
EGC 104	English Drama	4
EGC 105	Indian Writing in English	4
EGC 106	Novel as a Major Form	4
EGC 107	Literary Criticism	4
EGC 108	Shakespeare: Plays	4
EGC 109	American Literature	4
EGC 110	World Classics	4
EGC 111	Major Genre: Comedy	4
EGC 112	Major Genre: Epic	4
EGC 113	Major Genre: Tragedy	4

COURSE CODE	COURSE TITLE (OPTIONAL COURSES)	NO. OF CREDITS
EGO 101	Stylistics	4
EGO 102	Study of a Major Poet: P. B. Shelley or T. S. Eliot	4
EGO 103	Study of a Major Novelist: Joseph Conrad	4
EGO 104	Study of a Major Playwright: Harold Pinter	4
EGO 105	Indian Writing in Translation	4
EGO 106	Readings in Literary Criticism	4
EGO 107	Creative Writing	4
EGO 108	Commonwealth Literature	4
EGO 109	Studies in Colonialism, Modernity and Indigenous Discourse	4
EGO 110	Latin American Literature	4
EGO 111	Cultural Studies in the Postcolonial World	4
EGO 112	Readings in Contemporary Theory	4
EGO 113	A Reading in Postcolonial Theory and Literature	4
EGO 114	Cultural Studies: Theory and Practice	4
EGO 115	Goa: Cultural Perspectives	4
EGO 116	Contemporary Indian English Fiction	4
EGO 117	Regional Sensibilities in Indian Writing	4
EGO118	Cross-Currents in Modern European Drama	4
EGO 119	Canadian Cultural Studies	4
EGO 120	Translation Studies: Theory and Praxis	4
EGO 121	Approaches to Journalism Through Language and Literature	4
EGO 122	D. H. Lawrence	4
EGO 123	Multimedia in Cultural Literacies: A Study of Australia	4
EGO 124	Critiquing Goan Writing in English Translation	4
EGO 125	Compressing the World: Reading and Writing Short Fiction	1
EGO 126	Gender of Literatures and Literatures of Gender	1
EGO 127	Reading and Writing Conflict	1
EGO 128	Imagining Women: Representations in Literature and Cinema	1
EGO 129	The Anxieties of Orientalism: India and Diaspora	1
EGO 130	Writing Lives: An Interactive Literary Series	1
EGO 131	Book Publishing	2
EGO 132	The Art and Craft of Editing	2
EGO 201	Traditions/Conventions, Change and Conflict	4

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Department of French and Francophone Studies	Programmes Offered	Intake	Fee (Rs.)
	B.A. Honours	10	1530.00
	M.A.	15	5910.00
	Ph.D.		11575.00
Established: 1965 (CPIR)	Certificate/Diploma/ Advance Diploma		
Code: FR			

The Department offers a Master's Degree in French. The programme is professionally oriented and opens up opportunities for research as well as trains students for teaching, translation and careers in the corporate sector. The Department also offers Certificate and Diploma programmes in French language at the undergraduate and postgraduate level and an Advanced Diploma in Translation.

Head of the Department: Wagle, A.,

List of Faculty & Specialisations

Professor

Wagle, A., Ph.D (JNU, New Delhi) Translation Studies/Linguistics/ Teaching Methodology

Assistant Professor

Silveira, I, M.A. (Goa University) French and Francophone Literature/Culture Studies/Teaching Methodology/ Functional French

M.A. French Programme
Scheme of Instruction (Semester System)
Choice Based Credit System

COURSE CODES	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
FRC-101	Language Skills	5
FRC-102	Theory and Practice of Translation	5
FRC-103	Textual analysis	5
FRC-104	Study of French Novel	5
FRC-105	Francophone Studies	5
FRC-106	French Culture and Civilization	5
FRC-107	General Linguistics	5
FRC-108	Phonetics, Morphology, Syntax and Semantics	5
	COURSE TITLES (OPTIONAL COURSES)	
FRO-101	A Study of French Romanticism	4
FRO-102	Modern French/Francophone Literature Literary Criticism	4
FRO-103	Women's Writings	4
FRO-105	Foreign Language Acquisition Studies	4
FRO-106	Research Methodology	4
FRO-107	Comparative Literature	4
FRO-108	Colonial Encounter	4
FRO-109	Literary Movements	4
FRO-110	Intellectual and Social background of one selected author's epoch	4
FRO-111	Lexicography and Technical Terminology	4
FRO-112	Multimedia for Foreign Language Acquisition	4

FRO-113	Scientific and Technical Translation	4
FRO-114	Literary translation	4
FRO-115	Consecutive Interpretation	4
FRO-116	French Language Level 1	4
FRO-117	French Language Level 2	4
FRO-118	French Language Level 3	4
FRO-119	French for Tourism and Hospitality	4
FRO-120	Scientific and Technical French	4
FRO-121	French for Business	4
FRO-122	Indian Literature in French Translation	4
FRO-123	Translation/Terminology Project <u>OR</u> Literature/Culture Studies Project	2
FRO-124	Film Appreciation	2
FRO-125	History of Art	2
FRO-126	Theatre and Oral expression	2
FRO-127	Literature through Cinema	2
FRO-128	History of French Language	2
FRO-129	Creative Writing and Composition	2
FRO-130	Corrective Phonetics	2
FRO-132	Representations of French History in Visual Arts and Literature	4
FRO-133	Mythology in Literature and Poplar Culture	4
FRO-DIST	Dissertation	8

Certificate and Diploma Programmes in French

1. Certificate of Proficiency-1 (Level A1)
2. Certificate of Proficiency A2 (Level A2)
3. Diploma of Proficiency (Level B1)
4. Advanced Diploma of Proficiency-(Level B2)
5. Advanced Diploma in Translation

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Department of Hindi	Programmes Offered	Intake	Fee (Rs.)
Established: 1965(CPIR)	M.A.	40	5910.00
Code: HN	M. Phil.		11800.00
	Ph. D.		11575.00

The Department offers M.A., M.Phil. 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 etc. The Department also offers opportunity to conduct research in these areas.

Head of the Department: Mandrekar, V. S.

List of Faculty & Specialisations

Professors

Mishra, R. S, Ph.D. (Bombay University) Medieval, Modern and Contemporary Poetry, Indian Poetics, Essay, Translation & Mass Media and Journalism

Khan, I. B, Ph.D. (Aligarh University) History of Hindi Literature, Functional Hindi & Fiction

Mandrekar V. S, Ph.D. (Goa University) Indian Literature, Comparative Literature and Translation

Assistant Professor

Tiwari B. B, Ph.D. (Delhi University) (Hindi Kahani and Criticism).

M.A. Hindi Programme **Scheme of Instruction (Semester System)** **Choice Based Credit System**

COURSE CODES		COURSE TITLES (CORE COURSES)	NO. OF CREDITS
Semester I			
HNC 201		Linguistics	04
HNC 202		Medieval Poetry : Practical Criticism	04
Semester II			
HNC 203		Modern Poetry, Practical Criticism	04
HNC 204		Hindi Language, Script & Grammar	04
Semester III			
HNC 205		Indian Literature	04
HNC 206		Critics & Criticism	04
Semester IV			
HNC 207		Drama & Theatre	04
HNC 208		Another Form of Modern Prose	04
OPTIONAL COURSES			
HNO 201		History of Hindi Literature : Aadikal , Bhaktikal & Ritikal	04
HNO 202		History of Hindi Literature, Aadhunik Kal	04
HNO 203		Indian Poetics	04
HNO 204		Western Poetics	04
HNO 205		Contemporary Hindi Poetry: Practical criticism	04
HNO 206		Hindi Story	04
HNO 207		Hindi Novel	04

HNO 208	Study of special - Author- ragaN lalturmA	04
HNO 209	Translation	04
HNO 210	Media & Journalism	04
HNO 211	Folk Literature	04
HNO 212	Literature : Thought & Philosophy	04
HNO 213	Rachanatmak lekhan	04
HNO 214	Uttar Aadhunik Vimarsh	04
HNO 215	erutaretiL yhpargoibotuA idniH	02
HNO 216	erutaretiL riomeM idniH	02
HNO 217	yevruS larutluC & laicoS : erutaretiL & egaugnaL	02
HNO 218	namarhb niem ohsedarP idniH	02

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Department of Konkani	Programmes Offered	Intake	Fee (Rs.)
Established: 1987	M.A.	50	5910.00
Code: KK	Ph.D.		11575.00

The Department of Konkani, 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 department of Computer Science and Technology, the Department of Konkani is actively involved in interdisciplinary research pertaining to Natural Language Processing (NLP).

Head of the Department: Parienkar, P.

List of Faculty & Specialisations

Associate Professor

Parienkar, P. M.A., Ph.D. (Goa University) Konkani Folklore, Modern Konkani Poetry, Sociological Study of Literature, Special Study of Konkani Novels

Assistant Professor

Naik, K. M.A (Goa University) Feminist Literature, Indian Literature

Visiting Faculty

Tadkodkar, P. S. M.A. (Bombay University) Drama, Modern Konkani Prose, Literary Criticism & Research Methodology

Adv. Bhembre, U. (Old Konkani Language & Literature, Special Study of the writings of Shennoi Goembab, Konkani Media, Film Study).

Nagvenkar, H. Ph.D., (Konkani Language Movement, Translation: Theory and Practice, Western Poetics).

M.A. Konkani Programme Scheme of Instruction (Semester System) Choice Based Credit System

COURSE CODES	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
KKC-301	Study of Old Konkani Literature(16 th -17 th Century)	4
KKO-302	Research Methodology	4
KKC-303	Linguistic Study of Konkani	4
KKC-304	Study of Selected Writings of Shennoi Goembab	4
KKC-305	Study of Indian Literature	4
KKC-306	Sociological Study of Literature	4
KKC-307	Selected Ideologies in Indian and Western Poetics	4
KKC-308	Trends in Modern Konkani Poetry	4
	COURSE TITLES (OPTIONAL COURSES)	
KKC-401	Special Study of Konkani Novels	4
KKO-402	Konkani Language Movement	4
KKO-403	Concept of Feminism in Literature	4

KKO-404	Short Film Production	4
KKO-405	Translation: Theory and Practice	4
KKO-406	Field Linguistics Konkani Language	4
KKO-407	Critics & Criticism	4
KKO-408	Study of Selected Goan Folk Dances	2
KKO-409	Study of Selected Konkani Folk Dramas	2
KKO-410	Devnagari Typing and Proof Reading Skills	2
KKO-411	Creative Writing	2
KKO-412	Study of Commercial Tiatr	2
KKO-413	Graminn Literature	2
KKO-414	Environmental thought in Konkani Literature	2
KKO-415	Study of Selected Plays of Pundalik Naik	2
KKO-416	Study of Selected Essays of Ravindra Kelekar	2
KKO-417	Study of Selected Stories of Damodar Mauzo	2
KKO-418	Media Study	2
KKO-419	Study of Mahableshwar Sail's Selected Novels	2
KKO-420	Essential of Konkani Grammar and Orthography	2
KKD-421	Dissertation	8

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Department of Marathi	Programmes Offered	Intake	Fee (Rs.)
Established: 1970 (CPIR)	M.A.	30	5910.00
Code: MR	M.Phil		11800.00
	Ph.D.		11575.00

The thrust areas of the Department 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.

Head of the Department: Khan, I. B,

List of Faculty & Specialisations

Assistant Professor

Umriskar, S. S. Ph.D.(Goa University) Medieval Marathi Literature & Modern Form of Literature

M.A. Marathi Programme
Scheme of Instruction (Semester System)
Choice Based Credit System

COURSE CODE	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
Semester I		
MRC 201-	A Review of Marathi Grammar	4
MRC202-	History of Marathi Literature(1818-1947)	4
Semester II		
MRC203-	Linguistics and Marathi Language	4
MRC - 204	History of Marathi Literature (1947- 2015)	4
Semester III		
MRC - 205	Theory of Literature	4
MRC - 206	A Form of Literature (Autobiographies)	4
Semester IV		
MRC -207	A Study of Two Marathi Text Representing the Medieval Period	4
MRC- 208	A Study of Morden Marathi Author	4
COURSE TITLES (OPTIONAL COURSES)		
MRO-201	A Study of Folk Literature	4
MRO-202	Goan Marathi Literature	4
MRO-203	Translation: Theory and Application	4
MRO-204	Marathi Prose and Poetry: Post 1960 period	4
MRO-205	A Study of 17 th Century Goan Christian Marathi Literature	4
MRO-206	Sociological Study of Literature	4
MRO-207	Research Methodologies and Techniques	4
MRO-208	Science Fiction in Marathi	4
MRO-209	Autobiographies of Women in Marathi	4
MRO-210	A Study of Dalit Literature	4
MRD-211	Dissertation (optional) against any two optional papers	8

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Department of Portuguese and Lusophone Studies	Programmes Offered	Intake	Fee (Rs.)
Established: 1987 Code: PR	M.A.	15	5910.00
	M. Phil.		11800.00
	Advanced Diploma	25	4000.00
	Diploma of Proficiency	25	4000.00
	Certificate of Proficiency I	25	4000.00
	Certificate of Proficiency II	25	4000.00

The Department of Portuguese and Lusophone Studies, the only one of its kind in the country, offers M.A. in Portuguese Literature and Culture, and M.Phil in Portuguese. The Department of Portuguese and Lusophone Studies has restructured its language programmes according to the Common European Framework (CEF) and offers various Certificate and Diploma Programme in Portuguese mostly job oriented in order that students may be skilled in Portuguese Language and obtain fluency up to B1.2 level of the CEF as per the needs of the IT Industry. The intake for each batch of Portuguese Language Programmes is 25 and the duration is as follow.

Certificate of Proficiency I (A1) – 100 hrs
 Certificate of Proficiency II (A2) – 100 hrs
 Diploma of Proficiency (B1) – 100 hrs
 Advanced Diploma of Proficiency (B2) – 100 hrs

Head of the Department: Khan, I.B.

In-Charge : Fernandes, S.A.

List of Faculty & Specialisations

Assistant Professors:

Fernandes, S. A, M.A. in Portuguese (Goa University) 2011. Portuguese Language & Linguistics

Usgaonkar, D. S, M.A. in Portuguese (Goa University) 2011. Portuguese Language and Culture.

Visiting Lecturer (Camões)(under Cultural Exchange Programme)

Da Silva, Delfim C M.A. in Portuguese and French Studies (University of Aveiro) and M.Phil. in Interdisciplinary Portuguese Studies (Open University of Lisbon).

M.A. Portuguese Programme **Scheme of Instruction (Semester System)** **All Core Courses are taught in Portuguese**

COURSE CODE	COURSE TITLE (CORE COURSES)	NO. OF CREDITS
PRC 201	Introduction to Literary Studies	4
PRC 202	History of Portuguese Literature I	4
PRC 203	History of Portuguese Literature II	4
PRC 204	Introduction to Portuguese Linguistics	4
PRC 205	Introduction to Portuguese Culture	4
PRC 206	Portuguese Literature I	4
PRC 207	Portuguese Literature II	4
PRC 208	Indo-Portuguese Literature	4
OPTIONAL COURSES		
PRO 201	History of Portuguese Theatre	4

PRO 202	Portuguese Cinema*	4
PRO 203	Portuguese Art*	4
PRO 204	Portuguese Literature of Voyages	4
PRO 205	Brazilian Literature	4
PRO 206	African Literature in Portuguese	4
PRO 207	Multimedia and Technical Translation – Theory and Practical	4
PRO 208	Contemporary Portuguese Literature	4
PRO 209	History of Portugal*	4
PRO 210	Methodology of Teaching Portuguese as a Foreign Language	4
PRO 211	Portugal in the Context of the European Union*	4
PRO 212	Epic Poem in Portuguese Literature	4
PRO 213	History of Portuguese Language	4
PRO 214	Writing and Communication Skills	4
PRO 215	Creative Writing	4
PRD 216	DISSERTATION	8
PRO 217	Portuguese Language level I A1.1	4
PRO 218	Portuguese Language level II A1.2	4
PRO 219	Portuguese Language level III A2.1	4
PRO 220	Portuguese Language level IV A2.2	4

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FACULTY OF SOCIAL SCIENCES

Dean: Prof. N. S. Bhat

Department of Economics	Programmes Offered	Intake	Fee (Rs.)
Established: 1968 (CPIR)	M.A.	40	5910.00
Code: EC	M.Phil.		11800.00
	Ph.D.		11575.00

The Department of Economics offers M. A. and Ph.D. Programme in Economics. The M.A. Programme provides a strong theoretical overview with an emphasis on quantitative techniques. Students are offered a wide range of elective courses including Econometrics, Environmental Economics, Financial Economics and Human Resource Development. In the recent years the Doctoral Programme has attracted researchers in Labour Economics, International Economics, Macro Economics and Environmental Economics. Faculty members have a track record of publishing, undertaking sponsored research projects and consultancy from national and international agencies.

Head of the Department: Sudarsan, P. K.

List of Faculty & Specialisations

Professors

Noronha, S. M, Ph.D. (Bombay University) Labour Economics and Industrial Relations, Development Economics

Sudarsan, P. K, Ph.D. (IIT Bombay) International Economics and Econometrics

Mukhopadhyay, P, Ph. D. (JNU, New Delhi) Macro Economics, Environmental Economics

M.A. Economics Programme Scheme of Instruction (Semester System) (Choice Based Credit System)

COURSE CODES	COURSE TITLES	NO. OF CREDITS
	CORE COURSES	
ECC 111	Microeconomics – I	4
ECC 211	Microeconomics – II	4
ECC 112	Macroeconomics – I	4
ECC 212	Macroeconomics – II	4
ECC 113	Public Economics	4
ECC 114	Development Economics	4
ECC 115	Mathematics For Optimization	4
ECC 116	Statistics For Economic Analysis	4
	OPTIONAL COURSES	
ECO 117	Labour Economics	4
ECO 118	International Relations and Social Security	4

ECO 119	Financial Economics	4
ECO 120	Human Resource Management and Development	4
ECO 121	Agricultural Economics	4
ECO 122	Agricultural Development in India	4
ECO 123	Indian Public Finance	4
ECO 124	Theories of Economics Growth	4
ECO 125	Environmental Economics	4
ECO 126	Introduction to Econometrics	4
ECO 127	Options: Theory and Practice	4
ECO 128	International Trade and Globalisation	4
ECO 129	International Finance	4
ECO 226	Advanced Econometrics	4

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Department of History	Programmes Offered	Intake	Fee (Rs.)
Established: 1967 (CPIR)	M.A.	55	5910.00
Code: HS	M.Phil.		11800.00
	Ph.D.		11575.00

The thrust areas of the Department are Indo-Portuguese History, Maritime Studies and Indian History with special focus on the History of Goa. The Department offers a wide range of optional courses on emerging and innovative areas as well as issues of current relevance, such as Oral History, Maritime History, Trade and Urbanisation in India, Heritage Tourism, Post-Colonial Goa and Environmental History of India. The Department endeavours to make the M.A. students competent in understanding historical developments at the regional, national and international levels within an interdisciplinary analytical framework. The compulsory courses deal with the foundational aspects of historical study and include courses in Indian History, Asian History and in European and Goan History, in addition to courses on Theories of History and Historical Method.

Head of the Department: Kamat, P. P.

List of Faculty & Specialisations

Professors

Kamat, P. P., Ph.D. (University of Bombay) Indo-Portuguese History and Maritime Studies, Gender Studies, History of Goa

Bhat, N. S., Ph.D. (Mangalore University) History of Modern India and History of South Kanara

Rao, N., Ph.D. (Goa University) Ancient India and Economic History of Western Coastal India

Associate Professor

Parobo, P. D., M.A. (Goa University) Maritime History, Tourism, Indo-Portuguese History, Post-Colonial Studies, Intellectual History

Assistant Professor

Risbud, S. S., Ph.D. (Goa University) Indo-Portuguese History, Decolonisation Movements and Studies in Indian Culture and Heritage.

M.A. History Programme **Scheme of Instruction (Semester System)** **Choice Based Credit System**

COURSE CODES	COURSE TITLE (CORE COURSES)	NO. OF CREDITS
HSC-150	"Doing History": An Introduction to Historical Methods	4
HSC-151	Debates in Indian History I	4
HSC-152	Rise of the Modern West	4
HSC-153	History and Theory	4
HSC-154	India and the Indian Ocean : A History	4
HSC-155	Debates in Indian History II	4
HSC-156	Colonialism and Nationalism in Asia	4
HSC-157	Issues and Debates in Goan History	4
	(OPTIONAL COURSES)	
HSO-160	History of India, 1757-1857	4
HSO-161	Modern West Asia	4
HSO-162	Themes and Issues in Heritage Tourism	4

HSO-163	Religions in Ancient India	4
HSO-164	State and Economy in India (300 to 1200 A.D.)	4
HSO-165	Movements in Modern India: Society, Caste, Identity and Ecology	4
HSO-166	Environmental History of India	4
HSO-167	Constructing Goan Identity: Themes and Issues	4
HSO-168	The Family Laws of Goa: A Gender Audit	4
HSO-169	Economic History of Medieval India	4
HSO-170	Goan Heritage: An Introduction	4
HSO-171	Introduction to Museology	4
HSO-172	Oral History	4
HSO-173	Portuguese Colonialism : A History	4
HSO-174	History of the Indian Diaspora	4
HSO-175	Imperialism and Decolonization in Africa	4
HSO-176	Polity, Economy and Society of the Marathas	4
HSO-177	Historiography in India	4
HSO-178	Business History of India (1700-1991)	4
HSO-179	Trade and Urbanisation in India (1200-1700)	4
HSO-180	Tribal and Peasant Movements in India (1855-1951)	4
HSO-181	Debating Post-Colonial Goa	4
HSO-182	History of India (1947-1984)	4
HSO-183	History of USA (1898-1945)	4

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Department of Philosophy	Programmes Offered	Intake	Fee (Rs.)
Established: 1967 (CPIR)	M.A.	15	5910.00
Code: PY	M. Phil		11800.00
	Ph.D.		11575.00

M.A. Programme in Philosophy focuses on developing critical acumen in students with regard to philosophical issues and problems both in Western and Indian Philosophies. The approach adopted for this purpose is primarily analytical. The Department offers a wide range of Optional Courses, in addition to the Compulsory Courses.

Head of the Department: Pai Vernekar, S. D.

List of Faculty & Specialisations

Professors

Pai Vernekar, S. D., Ph.D. (Goa University) Medical Ethics.

Tharakan, K., Ph.D., (University of Hyderabad) Philosophy of Social Science, Phenomenology.

Associate Professor

Desai, M., Ph.D. (Goa University) Philosophy of Science, Analytical Philosophy.

M.A. Philosophy Programme **Scheme of Instruction (Semester System) (CBCS)**

COURSE CODE	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
PYC-1012	History of Western Philosophy	4
PYC-1022	Classical Indian Philosophy	4
PYC-2032	Logic and Epistemology	4
PYC-2042	Introduction to Analytic Philosophy	4
PYC-3062	Aristotelian Logic	4
PYC-3072	Contemporary Indian Philosophy	4
PYC-4082	Meta-Ethics	4
PYC-4092	Schools of Vedanta	4
	(OPTIONAL COURSES)	
PYO-1012	A.J. Ayer	4
PYO-1032	Philosophy of Religion	4
PYO-1042	Sri Aurobindo	4
PYO-1052	Philosophy of Social Sciences	4
PYO-1062	Human Rights	4
PYO-1072	Environmental Ethics	4
PYO-1082	Bio-Ethics	4
PYO-1092	Philosophy of Science	4
PYO-1152	Husserlian Phenomenology	4
PYO-2012	Heidegger	4
PYO-2022	Philosophy of Mind	4
PYO-3012	Dissertation	8
PYO-3022	Symbolic Logic	4

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Department of Political Science	Programmes Offered	Intake	Fee (Rs.)
Established: 1973	M.A.	30	5910.00
Code: PS	M.Phil.		11800.00
	Ph.D.		11575.00

The Department of Political Science 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 Department 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.

Head of the Department: Tripathi, R.

List of Faculty & Specialisations

Professor

Tripathi, R. Ph.D. (JNU) (South Asian Politics, International Political Economy, Human Rights).

Assistant Professors

Desai, P. Ph.D. (JNU) (Indian Politics, Political Theory).

Shringare, A. Ph. D. (Karnataka University) (Governance, Public Administration)

M.A. Political Science Programme **Scheme of Instruction (Semester System)** **Choice Based Credit System**

COURSE CODES	COURSE TITLE (CORE COURSES)	NO. OF CREDITS
PSC101	Theory: Concepts and Perspectives	4
PSC102	International Relations	4
PSC103	Public Administration: Theories and Concepts	4
PSC104	Political Economy of India	4
PSC105	Modern Indian Political Thought	4
PSC106	Constitutional Government in India	4
PSC107	Government and Politics in South Asia	4
PSC108	Democratic Politics in India: Issues and Dynamics	4
	COURSE TITLE (OPTIONAL COURSES)	
PSO201	Human Rights	4
PSO202	Research Methods in Political Science	4
PSO203	Rural Development and Research	4
PSO204	Critical Perspectives in Politics	4
PSO205	Theories of Democracy	4
PSO206	Development Administration & Governance	4

PSO 207	Urban Governance and Environment	4
PSO208	State & the Marginalized	4
PSO209	Political Economy of Goa	4
PSO210	India's Foreign Policy	4
PSO211	International Political Economy	4
PSO212	Evolving Dimensions of Strategic Studies	4
PSO213	India's Maritime Security and Strategy	4
PSO214	Key Texts in Indian Political Thought	4

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Department of Sociology	Programmes Offered	Intake	Fee (Rs.)
Established: 1974 (CPIR)	M.A.	20	5910.00
Code: SO	M.Phil.		11800.00
	Ph. D.		11575.00

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

Head of the Department: Somayaji, G.

List of Faculty & Specialisation

Professor

Somayaji, G. Ph. D. (Goa University) (Social Theory, Sociology of Food, Language and Society)

Assistant Professor

Coelho, J. P. Ph. D. (Goa University) (The Indian Diaspora, Sociology of Language, Sociology of Indian Society)

M.A. Sociology Programme **Scheme of Instruction (Semester System)** **Choice Based Credit System**

COURSE CODES	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
SOC 101	Classical Sociological Theories	4
SOC 102	Sociology of Indian Society	4
SOC 103	Contemporary Sociological Theories	4
SOC 104	Indian Sociological Perspectives	4
SOC 105	Recent Trends in Sociological Theorising	4
SOC 106	Political Sociology	4
SOC 107	Sociology of Social Stratification	4
SOC 108	Philosophy of Social Sciences	4
	OPTIONAL COURSES	
SOO 201	Methodology of Research in Sociology	4
SOO 202	Agrarian Social Structure in India	4
SOO 203	The Indian Diaspora	4
SOO 204	Education and Society	4
SOO 205	Understanding Goa	4
SOO 206	Language and Society	4
SOO 207	Urban Sociology	4
SOO 208	Sociology of Medicine	4
SOO 209	Social Gerontology	4
SOO 210	Environmental Sociology	4
SOO 211	Food, Society, and Culture	4
SOO 212	Nation-state and Refugees	2

SOO 213	Sociology of Gender	4
SOO 214	Sociology of Development	4
SOO 215	Sociology of Religion	4
SOD	Dissertation	8

Dissertation (SOD) equivalent to eight credits is optional.

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Department of Library and Information Science	Programmes Offered	Intake	Fee (Rs.)
Established: 2013	B. L.I.Sc. (S.F)	25	21880.00
Code: BL	M. L.I.Sc. (S.F)	20	25515.00
Code: ML			

The Library and Information Science Department conducts two Programmes leading to (a) Bachelor's Degree (B. L. I. Sc.) consisting of two semesters and (b) Master's Degree (M. L. I. Sc.) consisting of two semesters. Both programmes will carry 40 credits each. The duration of the Programme is one year for (a) B. L. I. Sc. and one year for (b) M. L. I. Sc.

Coordinator: Gopakumar, V. Ph.D. (Mangalore University) Library Administration, Digital Library and Research Methodology

Bachelor of Library & Information Science (B.L.I.Sc.) Programme
Scheme of Instruction (Semester System)

COURSE CODES	COURSE TITLES	NO. OF CREDITS
Semester I		
BLC 101	Library Information and Society	3
BLC 102	Reference and Information Sources	3
BLC 103	Information Processing and Retrieval I	3
BLC 104	Information Processing and Retrieval II	2
BLC 105	Management of Library and Information Centres	5
BLC 106	Information Services and Systems	4
Semester II		
BLC 201	Fundamentals of Information Technology (Theory)	5
BLC 202	Information Processing and Retrieval III – Cataloguing	4
BLC 203	Information Processing and Retrieval IV – Cataloguing	1
BLC 204	Information Technology (Practical)	2
BLC 205	Digital Content Development and e-publishing	4
BLC 206	Digital Information Management	4

Master of Library & Information Science (M.L.I.Sc.) Programme
Scheme of Instruction (Semester System)

COURSE CODES	COURSE TITLES	NO. OF CREDITS
Semester I		
MLC 101	Information Retrieval	3
MLC 102	Library Automation and Networks	3
MLC 103	Library Automation Software (Practical)	2
MLC 104	Research Methodology	3
Optional		
MLO 105	Web 2.0 OR	3
MLO 106	Electronic Information Sources and Services	3
Semester II		
MLC 201	Digital Libraries (Theory)	4
MLC 202	Digital Libraries (Practical)	3
MLC 203	Webometrics, Informetrics & Scientometrics	2
MLC 204	Marketing of Information products and services	2
Optional		
MLO 205	Information Literacy OR	3
MLO 206	Scholarly communication	3
MLC 207	Dissertation is a compulsory component of MLISC Programme and shall carry 12 Credits.	12

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Department of Women's Studies	Programmes offered	Intake	Fee (Rs)
Established: 2015	M.A.	15	5910.00
Code: WS	Ph.D.		11575.00

Head of the Department: Desouza Shaila

List of Faculty and Specialisations

Professor

Desouza Shaila, Ph.D (TISS, Mumbai), Gender: Development, Health, Welfare, Empowerment

M.A. Women's Studies syllabus following the Choice Based Credit System total Credits are 64.

About Women's Studies:

Women's Studies in India, is an interdisciplinary field of feminist scholarship designed to facilitate critical thinking and develop new knowledge. The programme helps students understand the creation and perpetuation of inequalities with the intention to develop in students the capacity and skills to bring about change, create new areas of service and to ultimately impact policy and the discourse on women's development in the country. The programme also aims at creating research capacities for students to engage with the academic discipline of Women's Studies using variety of pedagogical tools.

Prerequisites for Admission:

The prerequisite for admission into the M.A. Women's Studies Programme is the minimum prescribed percentage in a Bachelor's Degree in any subject and as per Goa University Ordinance for admission. The entrance test shall be based on general knowledge, analytical ability, logical reasoning and the specific subject syllabus announced on the website.

Semesters and Courses:

The Department offers a two year M.A. Programme in the subject of Women's Studies taught over 4 semesters. All Women's Studies students are encouraged to do research. The M.A. Programme is governed by Goa University Ordinances and comprises of the following courses

M.A. Women's Studies programme
Scheme of Instruction (Semester System)

COURSE CODES	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
WSC – 201	Core Concepts in Women's Studies and Feminist Thought	4
WSC – 202	Mapping the Women's Movement	4
WSC – 203	Gender, Development and the State: Issues in the World, India & Goa	4
WSC – 204	Doing Feminist Research	4
WSC – 205	Field Work Skills and Practice	4
WSC – 206	Gender and Marginality	4
WSC – 207	Gender-Sensitive Interventions for Change	4
WSC – 208	Gender, Human Rights and Law	4
	(OPTIONAL COURSES)	
WSO – 201	Women's Health: Critical Debates	4

WSO – 202	Gender and Culture	4
WSO – 203	Re-reading History: Feminist Perspectives	4
WSO – 204	A Gender Review of Literature	4
WSO – 205	Gender and Political Processes	4
WSO –206	Gender and Media	4
WSO – 207	Demography, Labour, Work and Gender	4
WSO – 208	Gender, Environment and Ecology	4
WSO – 209	Gender and Education	4
WSO – 210	Women and Violence	4
WSO – 211	Basic Research-enhancing Skills	2
WSD - 201	Research Project And Dissertation	8
WSF – 201	Foundation Course – Gender Sensitivity And Equity	2

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Centre for Latin American Studies	Programmes Offered	Intake	Fee (Rs.)
Established: 1988	M. A.	15	7350.00
Code: LA	M.Phil.		11800.00
	Ph. D.		11575.00

The Centre conducts a university-based programme devoted to the study of Latin America and the Caribbean area, combining Research, Teaching, Publishing and Public Extension activities. The academic emphasis is interdisciplinary. The Centre also conducts a Masters Programme in International Studies.

Director in Charge: Gangopadhyay, A.

List of Faculty & Specialisations

Professor

Gangopadhyay, A. Ph.D., M.Phil (JNU, New Delhi) Latin American Political Economy and International Relations.

Assistant Professor

Parulekar, D. M. A (Goa University) International Relations and International Organisation).

M.A. in International Studies: The 2 year (4 Semester) Course Endeavour's to acquaint students with the theoretical, thematic and topical issues and perspectives within International Affairs. The ostensible objective through this programme is to introduce the students, through an interdisciplinary perspective, to the nuances and intricacies of International Relations and develop their analytical faculties to dissect varied aspects characterizing world Affairs.

M.A. International Studies Programme Scheme of Instructions (Semester System) Choice Based Credit System

COURSE CODES	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
IRC 101	Theories in International Relations	4
IRC 102	International Relations: Concepts and Perspectives	4
IRC 103	International Political Economy	4
IRC 104	International Law	4
IRC 105	International Organisation	4
IRC 106	India's Foreign Policy	4
IRC 107	US Foreign Policy in Perspective	4
IRC 108	Research Methodology in International Relations	4
	COURSE TITLES (OPTIONAL COURSES)	
IRO 101	Geopolitics: Theory and Practice	4
IRO 102	Evolving Dimensions of Strategic Studies	4
IRO 103	Latin America and the Caribbean in World Affairs	4
IRO 104	Africa in World Affairs	4
IRO 105	Government and Politics of South Asia	4
IRO 106	Russia in World Affairs	4
IRO 107	'Understanding' China	4
IRO 108	Society, Politics and Foreign Policy of Brazil	4
IRO 109	Politics, Society and Foreign Policy of Australia	4

IRO 110	Contemporary Issues in International Relations	4
IRO 111	Survey of Latin American History	4
IRO 112	Government and Politics in Latin America	4
IRO 113	Political Economy of Latin America and the Caribbean	4
IRO 114	Sociology of Latin America	4
IRO 115	Middle East in International Affairs	4
IRO 116	East and South East Asia in International Affairs	4
IRO 117	India's Maritime Security and Strategy	4
IRO 118	Central Asian Politics and Society in World Affairs	4
IRO 119	Israeli Polity, Economy, Society and Foreign Policy	4
IRO 121	Spanish Language Level I (Beginners)	4
IRO 122	Spanish Language Level II (Advanced)	4
IRD 120	Dissertation	12

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Centre for the Study of Social Exclusion and Inclusive Policy

Established: 2008

Code: CSSEIP

Founded in 2008 through an initiative of the University Grants Commission, Government of India, the Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP) promotes interdisciplinary research on the varied forms of social marginality and dynamics of exclusion, caste and differently-abled with an active commitment to furthering democratic practices. The centre builds ties with civil society organisations for strengthening critical public discourses around social exclusion in the society. The centre organises seminars, symposia and workshops on the related themes and builds a database and documentation on the issues, activities and events related to marginality.

Programme Co-Ordinator: Bhat, N.S.

List of Faculty & Specialisations

Assistant Professor

Gawas, V. M. B. Com. L.L.M. (Goa University), (Constitutional and Legal Law, Human Rights, Tribal Studies)

FACULTY OF NATURAL SCIENCES

Dean: Prof. Gourish M. Naik

Department of Chemistry	Programmes Offered	Intake	Fee (Rs.)
Established: 1966 (CPIR)	M. Sc.	80	11800.00
Code: CH	M. Phil.		13315.00
	Ph. D.		11575.00

DST-FIST/UGC-SAP SPONSORED DEPARTMENT

The Department offers two year M.Sc. (64 credits) program in Organic, Physical, Inorganic, and Analytical Chemistry. The departmental 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 and their applications. The research extends further into computational and theoretical chemistry, synthesis of coordination complexes as models for biological systems, development of catalysts/ electrocatalysts and their use in kinetics evaluation for various fundamental processes related to energy and environment.

Head of the Department: Srinivasan, B. R.

List of Faculty and Specialisations

Professors

- Salker, A. V.** Ph. D. (I.I.T. Bombay) (Catalysis, Solid State Chemistry, Environmental Chemistry, Chemical Sensors)
- Kamat, V. P.** Ph.D. (Bombay University) (Organic Synthesis, Synthetic and Transformation Studies of Natural Products and Pesticide Chemistry)
- Tilve, S. G.** Ph.D. (University of Pune) (Synthetic Organic Chemistry)
- Srinivasan, B. R.** Ph.D. (I.I.T. Kanpur) (Synthetic Inorganic Chemistry)
- Nadkarni, V. S.** Ph.D. (Bombay University) (Synthetic Organic Chemistry and Polymer Chemistry)
- Bhosale, S.V.** Ph.D (Freie Universitat, Berlin) Superamolecular Chemistry (UGC-Recharge Professor)

Associate Professors

- Shirsat, R. N.** Ph.D. (University of Pune) (Theoretical and Computational Chemistry)
- Verenkar, V. M. S.** Ph.D. (Goa University) (Solid State Chemistry and Gas Sensors)

Assistant Professors

- Dhuri, S. N.** Ph.D. (Goa University) (Coordination and Bioinorganic Chemistry)
- Girkar, S. V.** M.Sc. (Goa University)(Organic Chemistry)
- Morajkar P. P.** Ph.D. (University of Lille 1- Science and Technology France) (Reaction Kinetics, Kinetic Modelling, Laser diagnostics)
- Deshpande K.B.** Ph.D. (BITS Pilani) (Biosensors, Environmental monitoring & remediation)
- Majik M.S.** Ph.D., (Goa University) (Development of Analytical method for Biomedical applications, Separation techniques/ Characterization)
- Dey, S. K.** Ph.D. (IIT, Guwahati) Hydrogen bonded supramolecular capsules and metal organic cages, Anion receptors and ion-pair receptors (DST-INSPIRE FACULTY)
- Lama, P.** Ph.D. (IIT Kanpur) Synthesis and Characterization of organic-inorganic hybrid porous, pressure dependent dynamic materials (DST-INSPIRE FACULTY).

Instrumental Facilities : NMR (400 MHz), Atomic Force Microscope, Vibrating Sample Magnetometer, Automated Gas Sorption Analyzer, Thermal Analyzer, Electrochemical Analyzer, Gel permeation chromatograph, Spectrometers (IR, Raman, UV-Vis), CHNS Analyzer, HPLC, Flash chromatograph, Gas Chromatograph, Ball Mill, Automatic Polarimeter, LCQR meter etc.

M.Sc. Chemistry Programme
Scheme of Instructions (Semester System)
Choice Based Credit System

From the academic year 2018-19 onwards, the two year M.Sc. program will be of 64 credits.

COURSE CODES	SEMESTER I & II (CORE COURSES)	NO. OF CREDITS
ACC-401	Concepts in Analytical Spectroscopy	3
ACC-402	Laboratory Course in Analytical Chemistry	3
ICC-401	General Inorganic Chemistry	3
ICC-402	Laboratory Course in Inorganic Chemistry	3
OCC-401	Structure, reactivity, stereochemistry and reaction mechanism	3
OCC-402	Laboratory Course in Organic Chemistry	3
PCC-401	General Physical Chemistry	3
PCC-402	Laboratory Course in Physical Chemistry	2
Semester I & II (Optional Courses)		
ACO-401	Analytical Techniques	
ICO-401	Topics in Inorganic Chemistry & Environmental Chemistry	3
OCO-401	Synthetic Organic Chemistry - I	3
PCO-401	Topics in Physical Chemistry	3
Semester III & IV (CORE COURSES)		
ANALYTICAL CHEMISTRY		
CHAC-501	Fundamentals of Chemical Analysis	4
CHAC-502	Techniques in Chemical Analysis	4
CHAC-503	Separation Techniques	4
CHAC-504	Experiments in Analytical Chemistry	4
INORGANIC CHEMISTRY		
CHIC-501	Co-ordination and Organometallic Chemistry	4
CHIC-502	Solid State Chemistry	4
CHIC-503	Group Theory and Spectroscopy	4
CHIC-504	Experiments in Inorganic Chemistry – I	4
ORGANIC CHEMISTRY		
CHOC-501	Organic Spectroscopy, Peri cyclic Reactions and Photochemistry	4
CHOC-502	Reaction Mechanisms and Stereochemistry	4
CHOC-503	Synthetic Methods in Organic Chemistry	4
CHOC-504	Selected experiments in Organic Chemistry	4
PHYSICAL CHEMISTRY		
CHPC-501	Quantum Chemistry and Spectroscopy	4
CHPC-502	Advanced Thermodynamics & Kinetics	4
CHPC-503	Electrochemistry	4
CHPC-504	Experiments in Physical Chemistry-1	4
Semester III & IV (Optional Courses)		
ANALYTICAL CHEMISTRY		

CHAO-501	Spectral Methods of Analysis	4
CHAO-502	Environmental Control and Chemical Analysis	2
CHAO-503	Applied Analytical Chemistry	2
CHAO-504	Chemometrics	2
CHAO-505	Problems on Combined Spectroscopy	2
CHAO-506	Selected Topic in Analytical Chemistry	2
CHAO-507	Calibrations and Validation	2
CHAO-508	Advanced Mass Spectroscopy	2
CHAO-509	Advanced NMR Spectroscopy	2
INORGANIC CHEMISTRY		
CHIO-501	Bioinorganic Chemistry	4
CHIO-502	Catalysis: Fundamentals and Chemical concepts	4
CHIO-503	Chemistry of Main Group Elements	4
CHIO-504	Topics in Inorganic Chemistry	4
CHIO-505	Laboratory Course in Inorganic Chemistry – I	4
CHIO-506	Laboratory Course in Inorganic Chemistry – II	4
ORGANIC CHEMISTRY		
CHOO-501	Chemistry of Natural Products	4
CHOO-502	Chemistry of Natural and Synthetic Polymers	4
CHOO-503	Heterocyclic and Organometallic Chemistry	4
CHOO-504	Introduction to Medicinal Chemistry	4
CHOO-505	Pesticides, Environmental Pollution and Newer Methods of Pest Control	4
CHOO-506	Green Chemistry : Introductory Course	4
CHOO-507	Laboratory Course in Organic Synthesis	4
CHOO-508	Innovative experiments in Organic Chemistry	4
CHOO-509	Laboratory Course in Synthetic Organic Chemistry	8
CHOO-510	Laboratory Course in Medicinal Chemistry	2
CHOO-511	Green Chemistry Techniques in Organic Synthesis	3
CHOO-512	Laboratory Course in Green Chemistry Techniques in Organic Synthesis	2
PHYSICAL CHEMISTRY		
CHPO-501	Colloids and Surface Science	4
CHPO-502	Solid State Chemistry : Concepts & Applications	4
CHPO-503	Advances in Catalysis	4
CHPO-504	Nanoscience: Concepts and Applications	4
CHPO-505	Laboratory Course in Applied Chemistry	4
CHPO-506	Laboratory Course in Physical Chemistry - I	8
CHPO-507	Computational Chemistry	2
CHPO-508	Radiation Chemistry	2
CHPO-509	Applied Electrochemistry	2
CHPO-510	Biophysical Chemistry	2
CHPO-511	Chemical Kinetics and Modelling	2
CHPO-512	Experimental Chemical Kinetics	2

GENERAL OPTIONAL COURSES (III & IV)		
Semester III or IV		
CHGO-500	Dissertation	8
CHGO-502	Biological Chemistry	4
CHGO-502	Green Chemical Processes	2
CHGO-503	Chromatographic Methods	2
CHGO-504	Conventional and Non-conventional Energy	2

Dissertation, if opted for, is equivalent to two optional laboratory courses.

For 2018-19 the distribution of seats in M. Sc. Part-I in various categories shall be as under-

No.	Category	Analytical Chemistry	Inorganic Chemistry	Organic Chemistry	Physical Chemistry	Total
1	General	10	9	10	10	39
2	SC	0	1	1	0	02
3	ST	3	2	2	3	10
4	OBC	5	6	5	6	22
5	Differently abled	1	1	1	1	04
6	Ex-Servicemen	1	0	0	0	01
7	Other Indian University	0	1	1	0	02
	Total	20	20	20	20	80

To maintain the equality of seats in the four branches the reservations under all the seven categories shall be rotated every year.

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Department of Computer Science & Technology	Programmes Offered	Intake	Fees (Rs.)
Established: 1987	M.C.A.	60	17135.00
Code: CST	Course Development fees for M.C.A.		19320.00
	M.Phil.		13315.00
	Ph.D.		11575.00

The Department offers a full time 3-year degree programme leading to the “Master of Computer Applications (MCA)” degree and it also offers a 1-year degree programme leading to the “Master of Philosophy (M.Phil)” in Computer Science and the doctoral programme leading to Ph.D. in Computer Science. The thrust areas of the department include Computer Graphics & CAD, Data Mining, Software Engineering, Databases, Computer Networks and Embedded Systems, Information Systems Security, Educational Technology and Natural Language Processing (NLP). The alumni of the department are extremely well placed and currently hold leading positions in reputed IT organisations in the country and abroad. The Department is very popular amongst aspiring student fraternity due to the competent faculty members and the Department’s consistent efforts in achieving 100% placements every year since its inception.

Head of the Department: Pinto, Y.F.

List of Faculty & Specialisations

Professor

Kamat, V. V. Ph.D. (Goa University) (Computer Graphics & CAD, Software Engineering, E-learning).

Associate Professors

Pawar, J. D. Ph. D. (Goa University) (Data Mining, Data Structures, Natural Language Processing).

Pinto, Y. F. M.C.A. (Goa University) (Database Management System, Operating Systems, Computer Science Education).

Baskar, S. M.Sc. (Computer Science) (Bharathidasan University, Tiruchirapalli) (Machine Learning, Compilers, Embedded Systems and Cloud Computing).

Wagh, R. M.C.A. (Goa University) (Software Engineering, GIS).

Assistant Professors

Karmali, R. M.C.A., Ph.D (Goa University) (Natural Language Processing, Data Communication, Security)

Payaswini P. M.Sc. (Computer Science) (Mangalore University, Mangalore) Computer Networking, Data Structures.

Laboratory Facilities: The Laboratory facilities in the Department are constantly upgraded to cater to the growing needs of students. Currently around 130 core i3 desktops are spread over the Department area – the laboratory as well as faculty offices. About one hundred and twenty students can simultaneously work on MS Windows / Linux platforms. Presently, the laboratory supports all computer languages, Integrated Development Environments and software tools available on Open Source Linux Platform. In addition the laboratory also provides students and faculty with the latest versions of development tools and application platforms such as Oracle, Eclipse, Visual Studio, CASE Tools, Rational Suite, Internet Information Server (IIS), MATLAB etc. The Department subscribes to the Microsoft Dream Spark programme which provides legal copies of all Microsoft software available on workstation and Server platforms. The laboratories also provide Broadband Internet connectivity through wired and Wi-Fi networks.

Master of Computer Applications (M.C.A) Programme
Scheme of Instruction: Semester System (Six Semesters)
Choice Based Credit System

COURSE CODE	COURSE TITLE	NO. OF CREDITS
First Semester		
CS 19101	Programming and Problem Solving	4
CS 19102	Computer Organization and Architecture	4
MT 19103	Discrete Mathematics	4
GC 19104	Personality Development	4
PL 19105	Programming and Problem-Solving Lab	4
PL19106	UNIX Environment, Commands & Shell Programming Lab	4
	Total	24
Second Semester		
CS 19201	Data Structures and Algorithms	4
CS 19202	Operating Systems	4
CS 19203	Computer Networks and Internet Protocol	4
MT 19204	Probability and Statistics	4
PL 19205	Data Structures and Algorithms Lab	4
PL 19206	Advanced UNIX Programming Lab	4
	Total	24
Third Semester		
CS 19301	Data Base Management Systems	4
CS 19302	Object Oriented Technology	4
MT 19303	Linear Algebra & Optimization	4
GC 19304	Professional Development	4
PL 19305	Data Base Management lab	4
PL 19306	Object Oriented Programming lab	4
	Total	24
Fourth Semester		
CS 19401	Software Engineering	4
CS 19402	Web Technology	4
EL 2	Elective Paper 2	4
EL 3	Elective Paper 3	4
PL 19405	Software Engineering Lab	4
PL 19406	Web Technology Lab	4
	Total	24
Fifth Semester		
CS 19501	Machine Learning	4
CS 19502	Computer Security	4
EL 4	Elective Paper 4	4
EL 5	Elective Paper 5	4
PL 19505	Machine Learning Lab	4
PL 19506	Computer Security Lab	4
	Total	24
Sixth Semester		
	Software Project Development/Industrial Internship	
	Total Credits	120

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Department of Earth Science	Programmes Offered	Intake	Fee (Rs.)
Established: 1986	M.Sc.	25	11800.00
Code: GL	M.Phil.		13315.00
	Ph.D.		11575.00

The Department of Earth Science, established in 1986, offers academic programme leading to M.Sc. (Applied Geology) and Doctoral degrees. The department annually admits 30 students in its M.Sc. Programme and has capacity to admit 8 students for its Doctoral programme. Apart from teaching commitments, faculty members undertake several sponsored research programmes, consultative assignments and short term programmes under the Continuing Classroom-cum-Distance Learning Programmes of the University. Department is also funded under DST (FIST) and UGC (SAP) at - DRS-III level programmes.

All the core and elective, optional courses included in the programmes have been specifically designed to meet industry standards and research requirements. The close links that the department enjoys with the industry (particularly Mining & Mineral) and research organisations, have worked towards elevating the level and quality of studies and facilities. The department also works towards reaching the general public under outreach programmes for creating awareness in conservation and management of natural resources. The Department has been actively involved in several international programmes (UNIGIS Distance Learning in GIS, International Earth Science Olympiad, etc.)

Head of the Department: Mahender, K.

List of Faculty & Specialisations

Professor

Mahender, K. Ph.D. (I.I.T., Bombay) Sedimentology, Petroleum Geology, GIS and Remote Sensing.

Associate Professor

Viegas A. A. A. Ph.D. (Goa University) Igneous Petrology, Mining Geology

Ganguly, S. Ph.D. (University of Calcutta) Minerology and Geochemistry, Metamorphic Petrology (DST-INSPIRE FACULTY).

Master of Science in Applied Geology

Program Code: GL

The Masters programme 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 Masters programme 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, etc. 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 Department also provides the students with an opportunity to work in the field. There are two educational field programmes 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.

M.Sc. in Applied Geology Programme
Scheme of Instruction: Semester System
(Choice Based Credit System)

COURSE CODES	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
GLC-101	Principles of Mineralogy and Geochemistry	3
GLC-102	Structural Geology and Geotectonics	3
GLC-103	Igneous Petrology	3
GLC-104	Metamorphic Petrology	3
GLC-105	Sedimentology	3
GLC-107	Economic Geology	3
GLC-108	Principles of Stratigraphy and Indian Geology	3
GLC-121	Geological Field Mapping	2
GLC-122	Geological Field Training	2
GLC-124	Practical of GLC-101 (Mineralogy & geochemistry)	1
GLC-125	Practical of GLC-102 (Structural Geology)	1
GLC-126	Practical of GLC-103 (Igneous Petrology)	1
GLC-127	Practical of GLC-104 (Metamorphic Petrology)	1
GLC-128	Practical of GLC-105 (Sedimentology)	1
GLC-130	Practical of GLC-107 (Economic Geology)	1
GLC-131	Practical of GLC-108 (Stratigraphy & Indian Geology)	1
	COURSE TITLES (OPTIONAL COURSES)	
GLO-201	Groundwater Geology	3
GLO-202	Petroleum Geology	3
GLO-203	Exploration Geophysics	3
GLO-204	Micropaleontology	3
GLO-205	Environmental Geology	3
GLO-206	Remote Sensing	3
GLO-207	Marine Geology	3
GLO-208	GIS Fundamentals	3
GLO-209	Mining Geology	3
GLO-210	Coal Geology	3
GLO-211	Soil Science	3
GLO-212	Microtectonics	3
GLO-213	Planetary Geology	2
GLO-214	Sedimentary Basin Analysis	3
GLO-215	Natural Resources & Environmental Management	3
GLO-216	Engineering Geology	3
GLO-217	Sedimentary Facies and Environment	3
GLO-218	Statistical Geology	2
GLO-219	Industrial Mineralogy	2
GLO-220	Pre Cambrian Crustal Evolution	2
GLO-221	Mineral Economics	2
GLO-222	Climate Geology	2
GLO-223	Trace Element Geochemistry	1
GLO-224	GPR Applications	1

GLO-225	Digital Image Processing	2
GLO-226	Glaciology	2
GLO-227	Data Mining	2
GLO-228	Term Paper	2
GLO-229	Minor Project	2
GLO-230	Hydrogeological Problems & Management	3
GLO-231	Well Site Geology	2
GLO-232	Petrophysics	2
GLO-233	Well logging	2
GLO-234	Geoheritage	2
GLO-235	Palaeo-Palynology	2
GLO-236	Advanced Structural Analysis	3
GLO-237	Geodesy Surveying, GPS	2
GLO-238	Petroliferous Basins of India	2
GLO-239	Geomorphology	3
GLO-240	Basics of RS, GIS and GNSS (Edusat course)	3
GLO-241	Geoscience and Society	2
GLO-242	Internship in Geoscience	3
GLO-243	Geoscience Software	2
GLO-244	Seminar Participation	1
GLO-245	Physical Training / Sports Participation	1
GLO-246	Practical of GLO-201 (Groundwater Geology)	1
GLO-247	Practical of GLO-202 (Petroleum Geology)	1
GLO-248	Practical of GLO-203 (Exploration Geophysics)	1
GLO-249	Practical of GLO-204 (Micropaleontology)	1
GLO-250	Practical of GLO-205 (Environmental Geology)	1
GLO-251	Practical of GLO-206 (Remote Sensing)	1
GLO-252	Practical of GLO-207 (Marine Geology)	1
GLO-253	Practical of GLO-208 (GIS Fundamentals)	1
GLO-254	Practical of GLO-209 (Mining Geology)	1
GLO-255	Practical of GLO-210 (Coal Geology)	1
GLO-256	Practical of GLO-211 (Soil Science)	1
GLO-257	Practical of GLO-212 (Microtectonics)	1
GLO-258	Practical of GLO-214 (Planetary Geology)	1
GLO-259	Practical of GLO-215 (Natural Res & Env. Management)	1
GLO-260	Practical of GLO-216 (Engineering Geology)	1
GLO-261	Practical of GLO-217 (Sedimentary Facies and Environment)	1
GLO-262	Practical of GLO-218 (Statistical Geology)	1
GLO-263	Practical of GLO-219 (Industrial Mineralogy)	1
GLO-264	Practical of GLO-223 (Trace Element Geochemistry)	1
GLO-265	Practical of GLO-224 (GPR Applications)	1
GLO-266	Practical of GLO-225 (Digital Image Processing)	1
GLO-267	Practical of GLO-230 (Hydrogeological Problems & Management)	1
GLO-268	Practical of GLO-232 (Petrophysics)	1
GLO-269	Practical of GLO-233 (Well logging)	1
GLO-270	Practical of GLO-235 (Palaeo-Palynology)	1

GLO-271	Practical of GLO-236 (Advanced Structural Analysis)	1
GLO-272	Practical of GLO-237 (Geodesy Surveying, GPS)	1
GLO-273	Practical of GLO-238 (Petroliferous Basins of India)	1
GLO-274	Practical of GLO-239 (Geomorphology)	1
GLO-275	Practical of GLO-240 (Basics of RS, GIS& GNSS -Edusat course)	1
GLO-276	Palaeontology	3
GLO-277	Practical of GLC-276 (Palaeontology)	1
GLO-278	QGIS (Tutor Assisted Internet based self-learning Module)	2
GLO-290	Industrial Training (Summer Internship- 2 to 4 weeks)	4
GLO-301	Dissertation	8

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Department of Electronics	Programmes Offered	Intake	Fee (Rs.)
Established: 2010	M. Sc.	15	15455.00
Code: EL	Ph. D.		11575.00

The Department offers both M.Sc. & Ph.D degree in Electronics. A candidate for being 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 with at least 55% in the aggregate of marks at the graduate level. Admission to this course of study shall be through an Entrance test. The entrance test shall be generally based on the syllabus up to the graduation level. The desirous student can apply for admission on-line at the University website www.unigoa.ac.in in the month of May every year. For more details, please refer “**Ordinance OA-20 relating to the Policy of Admission to the Post Graduate Academic Program of Goa University**” available at university website.

The thrust area of the program is Embedded system as supported by the UGC under innovative program and Biomedical Instrumentation. Summer Internship as well as industry associated mini & major projects are highlights of this program. The Department has ongoing projects in the areas of Biomedical, Agricultural Electronics, Biometrics & Hyper Spectral Imaging and Communications System.

Head of the Department: Naik, G. M.

List of Faculty & Specialisations

Professor

Naik, G. M. Ph. D. (I.I.Sc., Bangalore) Opto-Electronics

Associate Professor

Gad, R. S. Ph.D. (Goa University) Data Fusion and Communication System

Assistant Professor

Parab, J. S. Ph.D. (Goa University) Embedded System Instrumentation and Signal Processing

Major Facilities:

- * UV/Visible/NIR Spectrophotometer, UV-VIS-NIR Fiber-optic spectrometer.
- * Spectrum analyzer, portable Signal Generator and Analyzer upto 3 GHz range, Electromagnetic Test Bench and MIMO system.
- * Isolation table, Hyper-spectral Imaging Camera setup, various lasers and light sources.
- * 20-Channel EEG, ECG and EMG Biomedical system.
- * ALTERA Semiconductors technology developments boards for DSP, Image processing, trans-receiver, Ethernet; Controllers developments boards for PIC,89C52 ,ARM7/9, NI Speedy; Xilinx IDE ISE 7.1, MATLAB, LabView, TRI India Robotics development kits, VLSI, CAD tools, like P-Spice, Microwind;

M.Sc. Electronics Programme
Scheme of Instruction: Semester System
(Choice Based Credit System)

COURSE CODES	COURSE TITLES	NO. OF CREDITS
Semester-I		
ELC101	MICROELECTRONICS AND VLSI DESIGN	4
ELC102	NUMERICAL COMPUTATION AND ALGORITHMS	4
ELC103	EDA TOOLS-I (Flipped Classroom)	4
ELC104	ELECTRONICS PRACTICALS – I	4
UEL101	ADVANCED DIGITALCOMMUNICATION SYSTEMS	4
UEL 106	PRINCIPLES OF MODERN CDMA/ MIMO/ OFDM WIRELESS COMMUNICATIONS BY Aditya Jagannat IIT Madras(SWAYAM)	4
Semester II		
ELC201	EMBEDDED SYSTEMS DESIGNS	4
ELC105	OPERATING SYSTEM AND RTOS	4
ELC202	OPTICAL COMMUNICATION SYSTEMS (Flipped Classroom)	4
ELC203	ELECTRONICS PRACTICALS- II	4
UEL102	MICROPROCESSORS ARCHITECTURES AND PROGRAMMING	4
UEL 107	An invitation to Mathematics by Sankaran Vishvanath IITM (SWAYAM)	2
UEL 108	Basics of Medical Imaging	1
UEL 109	Basics of Clinical Instrumentation	1
Semester III		
ELC204	INSTRUMENTATION & CONTROL THEORY	4
ELC301	ELECTRONICS PRACTICALS - III	4
ELD201	SIGNALS AND SYSTEMS	4
ELD202	DIGITAL SIGNAL PROCESSING (Flipped Classroom)	4
ELD301	DIGITAL SYSTEM DESIGN USING HDL	4
ELD302	EDA TOOLS-II	4
UEL103	INDUSTRIAL TRAINING, MINI-PROJECT AND SEMINAR	4
UEL 110	Biomems and Microfluids by Shantanu Bhattacharya IIT Madras (SWAYAM)	4
Semester IV		
ELD401	ELECTRONICS PRACTICALS - IV	4
ELD203	NANOELECTRONICS & NANOSYSTEMS	4
ELD303	LASER SYSTEM ENGINEERING	4
ELD402	PROJECT	8
UEL104	PHARMACEUTICAL INSTRUMENTATION	4
UEL105	COMMUNICATION AND TECHNICAL SKILLS (Flipped Classroom)	4
UEL 111	Antennas by Girish Kumar (SWAYAM)	4

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Department of Mathematics	Programmes Offered	Intake	Fee (Rs.)
Established: 1965 (CPIR)	M. Sc.	30	5910.00
Code: MAT	M. Phil.		13315.00
	Ph. D.		11575.00

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

Head of the Department: Valaulikar, Y. S.

List of Faculty & Specialisations

Associate Professors

Jayanthan, A. J. Ph. D. (University of Hyderabad) (Topology, Knot Theory)

Valaulikar, Y. S. Ph. D. (Goa University) (Ordinary and Delay Differential Equations)

Mohapatra, A. N. Ph. D. (Sambalpur University) (Operator Theory & Mathematical Physics).

Assistant Professors

Tamba, M. Ph. D. (Madras University) (Lie Algebras, Number Theory).

Kunhanandan, M. Ph.D. (Goa University) (Functional Analysis, Combinatorics)

M.Sc. Mathematics programme
Scheme of Instruction (Semester System)
(Choice based Credit System)

COURSE CODES	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
MAT-101	Real Analysis	4
MAT-102	Linear Algebra	4
MAT-103	Basic Algebra	4
MAT-104	Differential Equations	4
MAT-105	Topology	4
MAT-201	Several Variable Calculus	4
MAT-202	Algebra	4
MAT-203	Functional Analysis	4
	COURSE TITLES (OPTIONAL COURSES)	4
MAT-106	Methods of Applied Mathematics	4
MAT-107	Graphs and Networks	4
MAT-108	Actuarial Science	4
MAT-204	Partial Differential Equations	4
MAT-205	Complex Analysis	4
MAT-206	Measure Theory	4
MAT-207	Number Theory	4
MAT-208	Lie Algebra	4
MAT-209	Special Functions	4
MAT-210	Difference Equations	4
MAT-301	Advanced Algebra	4
MAT-302	Combinatorics	4
MAT-303	Differential Geometry	4
MAT-304	Mathematical Modeling	4

MAT-305	Integral Equations	4
MAT-306	Sturm Liouville Problem	4
MAT-307	Mathematics for Finance	4
MAT-401	Advanced Linear Algebra	4
MAT-402	Commutative Algebra	4

It is desirable that all the students joining the Department of Mathematics have a Laptop Computer.

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Department of Physics	Programmes Offered	Intake	Fee (Rs.)
Established: 1963 (CPIR)	M.Sc.	40	11800.00
Code: PH	M. Phil.		13315.00
	Ph. D.		11575.00

DST-FIST/UGC-SAP SPONSORED DEPARTMENT

Established in 1973, having its origins in the erstwhile Centre for Postgraduate Instruction and Research under University of Mumbai, the Department offers two year M. Sc., one year M. Phil. and Ph. D programmes in Physics. The thrust area of research is experimental and theoretical condensed matter physics. Department faculty are actively involved in understanding structural, magnetic and transport properties of different types of materials ranging from glasses, nanomagnetic materials, luminescent materials, magnetic shape-memory alloys, superconductors, electrocatalysts, etc. as well as in understanding quantum phase transitions in Bosonic systems. The Department has several strong national and international collaborations which enable research students to carry out their work using state of the art facilities in the country as well as abroad. The research output of the Department can be viewed from several publications in peer reviewed journals of high repute and presentations in noteworthy national/international conferences. The Department is supported under DST-FIST (Level-I, Phase II), UGC-SAP (Phase III) and Infrastructure programmes. The faculty members also have several ongoing research projects funded by different national agencies. The Department has well equipped teaching laboratories in the courses offered. It is also 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.

Head of the Department: Pai, R.V.

List of Faculty & Specializations

Professors

Tangsali, R. B. Ph.D. (University of Mumbai, Mumbai) Solid State Physics, Nanomaterials

Pai, R. V. Ph.D. (Institute of Physics/Utkal University, Bhubaneswar) Theoretical Condensed Matter Physics

Priolkar, K. R. Ph.D. (Goa University, Goa) Experimental Solid State Physics-NEXAFS and EXAFS

Subramanian, U. Ph.D. (IIT, Kharagpur) Experimental Solid State Physics

UGC-Research Faculty

Assistant Professors

Pahari, B. Ph. D (Saha Institute of Nuclear Physics/Jadavpur University, Kolkata) Condensed Matter Physics, NMR Spectroscopy.

Cherukulappurath, S. Ph. D. (University of Angers, France) Nonlinear Optics, Plasmonics, Nanophotonics.

Hyam, R. S. Ph.D. (Shivaji University, Kolhapur) Experimental Condensed Matter, Nanomaterial for Energy applications.

Major facilities:

Programmable High Temperature Furnaces, Tri Arc Furnace, Pulse laser deposition system, Sieve Shaker, Diamond Cutter, Lapping and Polishing Machine, Rotating anode based X-ray diffractometer, Optical Microscopes, FTIR & UV-Vis Spectroflurometers, Electrical Resistivity, AC susceptibility, Thermopower apparatus (ambient to 10K), Dielectric Bridge, Differential Scanning Calorimeter (-140°C to 600°C), Thermogravimetric analyser (ambient - 1100°C), Pulsed-field Loop Tracer, Luminescence spectrometers, Dynamical Mechanical Analyser(-140°C to 600°C), Computer Cluster.

M.Sc. Physics Programme
Scheme of Instruction (Semester System)
Choice based Credit System

COURSE CODE	COURSE TITLE	NO. OF CREDITS
Semester I		
PHC-100*	Bridge course in Mathematical Methods	2
PHC-101A	Mathematical Physics	4
PHC-102A	Classical Mechanics	4
PHC-103A	Electromagnetic Theory	4
PHO-104A	Electronics Practical	2
PHO-105A	Computer Programming with C	2
PHO-110A	Computer Programming in Fortran 95	2
Semester II		
PHC-106A	Quantum Mechanics – I	4
PHC-107A	Basic Electronics	4
PHC-108A	Statistical Mechanics	4
PHO-109A	General Physics Practical	4
Semester III		
PHO-301	Summer Fellowships	1
PHC-201A	Quantum Mechanics – II	4
PHC-202A	Nuclear physics and Elementary Particle Physics	4
PHO-203A	Solid State Physics	4
PHO-204A	Solid State Physics Practical	4
Semester IV		
PHO-302A	Neutron physics	4
PHO-303A	Superconductivity and Superfluidity	4
PHO-304A	X-ray spectroscopy	4
PHO-305A	Electronics practical-II	4
PHO-306A	Semiconductor physics	4

PHO-307	Dissertation	8
PHO-309A	Physics of non-conventional energy sources	4
PHO-310A	Numerical methods and Fortran parallel programming using open mp	4
PHO-311A	Phase transitions and critical phenomena	4
PHO-312A	Spectroscopic techniques in condensed matter physics	4
PHO-313A	Physics of energy materials	4
PHO-314	Documentation using Latex	1
PHO-315	Nanoscience and Technology	4
PHO-316	Magnetism in Condensed Matter Physics	4

NOTE : * Not included for the calculation of GPA, but should be completed successfully.

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FACULTY OF LIFE SCIENCES & ENVIRONMENT

Dean: Prof. M. K. Janarthanam

Department of Biotechnology	Programmes Offered	Intake	Fee (Rs.)
Established: 2003	M. Sc.(Marine Biotechnology)	26	11800.00
Code: MB	M. Sc. (Biotechnology)	20	11800.00
	M. Phil. (Biotechnology)		13315.00
	Ph. D.(Biotechnology)		11575.00

A DST-FIST SPONSORED DEPARTMENT

Since its inception in 1988, the M.Sc. Marine Biotechnology programme has been funded by the Department of Biotechnology (Ministry of Science & Technology, Govt. of India, New Delhi), placing Goa University in an enviable position among the top DBT Centres for M.Sc. Biotechnology, on par with Universities such as Jawaharlal Nehru University, New Delhi, M.S. University, Baroda, Banaras Hindu University, University of Pune and Madurai Kamraj University, 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 Combined Entrance Examination conducted by the Jawaharlal Nehru University, New Delhi. In view of its reputation and standard in producing world class human resource in Biotechnology in India, the Department was among the few centres identified to double the intake of students for the M.Sc. programme w.e.f. June 2003. Students qualifying through the Combined Entrance Examination receive a studentship of Rs. 5,000/-p.m. for the duration of the programme.

The Department is one of the pioneers in Marine Biotechnology teaching 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 lakh by the DBT, exclusively for the replacement of obsolete equipment. It has excellent strengths that have been developed in the following thrust areas: 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 and isolation of lectins; bioactive substances from plant extracts and marine sources; bioremediation of heavy metals by salt pan bacteria and their nanoparticles.

Head of the Department: Kerkar, S. S.

List of Faculty & Specialisations

Professors

Muraleedharan, U. D. Ph.D. (I.I.Sc., Bangalore) Biochemistry, Enzymology, Biological Oceanographic Processes.

Kerkar, S. S. Ph.D. (Goa University) Marine Microbiology, Hypersaline Ecosystems.

Ghadi, S.C., Ph.D. (Goa University) Molecular Biology, Biodegradation.

Associate Professor

Barros, U. Ph.D. (Bombay University) Immunology, Applied Biology.

UGC – Assistant Professor

Tiwari, D. Ph.D. (JNU, New Delhi) Microbiology, Bionanoscience

Scientists from the National Institute of Oceanography, Goa also contribute to the teaching of marine-related courses.

Major Facilities:

PCR facility, UV-vis Spectrophotometers, DNA/protein Fluorometer, Walk-in-Cold Room facility, Cell disruption systems, Protein Chromatography facility, Class II Biosafety Cabinet, Gel Documentation System, Lyophilizer, Tissue Culture facility, Deep freezers (-20 & -80⁰ C), Fluorescence/Phase Contrast Microscope, Pilot-scale Fermenter, Ultrapure water system, Departmental Library, Computer Lab for Bioinformatics, High speed Refrigerated Centrifuges, Protein purification system.

M.Sc. Marine Biotechnology programme

Scheme of Instruction: (Semester System)

Choice based Credit System

COURSE CODE	COURSE TITLES	NO. OF CREDITS
SEMESTER I		
MBO 101	FUNDAMENTALS OF GENERAL AND MARINEMICROBIOLOGY	3
MBO 102	CONCEPTS IN BIOCHEMISTRY	3
MBC 103	PRINCIPLES OF GENETICS & MOLECULAR BIOLOGY	3
MBO 104	BIOINSTRUMENTATION	2
MBO 105	BIOSTATISTICS	2
MBO 106	COMMUNICATION SKILLS & SCIENTIFIC WRITING	2
MBC 107	PRINCIPLES OF OCEANOGRAPHY	2
MBO 111	LAB IN MARINE MICROBIOLOGY	2
MBO 112	LAB IN BIOCHEMISTRY	2
MBC 113	LAB IN MOLECULAR GENETICS	2
SEMESTER II		
MBC 201	INTRODUCTORY IMMUNOLOGY	3
MBC 202	CELL & DEVELOPMENTAL BIOLOGY	3
MBO 203	ENVIRONMENTAL BIOTECH	2
MBC 204	SEMINAR PRESENTATIONS	1
MBC 205	THE MARINE ECOSYSTEM	2
MBO 206	BIOINFORMATICS	2
MBO 207	PLANT TISSUE CULTURE TECHNOLOGY	2
MBC 211	LAB IN IMMUNOLOGY	2
MBC 215	LAB IN MARINE BIOLOGY & CHEMISTRY	2
MBO 216	LAB IN BIOINFORMATICS	2
MBO 217	LAB IN PLANT TISSUE CULTURE	1
SEMESTER III		
MBC 301	BIOPROCESS & INDUSTRIAL BIOTECHNOLOGY	3
MBC 302	RECOMBINANT DNA TECHNOLOGY	3
MBC 303	ANIMAL CELL CULTURE	2
MBC 304	SUMMER TRAINING PRESENTATION & REPORT	1
MBO 307	ENZYMOLGY	3
MBO 308	MOLECULAR IMMUNOLOGY	3
MBC 311	LAB IN FERMENTATION TECHNOLOGY	2
MBC 312	LAB IN RECOMBINANT DNA TECHNOLOGY	2
MBO 313	LAB IN ANIMAL CELL CULTURE	1
MBO 317	LAB IN ENZYME CHARACTERIZATION	2

	SEMESTER IV	
MBC 402	AQUACULTURE TECHNOLOGY & MARINE PHARMACOLOGY	3
MBC 403	POTENTIAL APPLICATIONS OF MARINE ORGANISMS	3
MBC 404	SEMINAR PRESENTATIONS	1
MBO 406	BIOSAFETY & IPR	3
MBO 408	APPLICATIONS OF RECOMBINANT DNA TECHNOLOGY	3
MBO 409	GENOMICS AND PROTEOMICS	3
MBO 410	CELLULAR BIOPHYSICS	3
MBO 411	SCUBA DIVING	2
MBO 412	DISSERTATION*	8

NB :- Code: O:Optional; C:Core

*Summer training (4-6 weeks) is mandatory after completion of the second semester and the students are placed by the Department in R& D laboratories of nationally recognized institutes and industries.

A good number of our postgraduate students have been qualifying for the CSIR/UGC-NET/SET fellowship, some of them also securing a very high ranking at the GATE examination. This is in addition to their achievements at the DBT, BITP/BCIL and ICMR fellowship examinations. The placement profile of each outgoing batch has also been excellent, with the students successfully gaining positions in nationally as well as internationally renowned institutions.

As part of the curriculum, the students are given the opportunity to undertake independent research projects during the third and fourth semesters, for which they are assessed through dissertation reports and presentations. Dissertation is compulsory for M.Sc. Marine Biotechnology.

With effect from the academic year 2013-14, the Department has been offering two additional programmes, viz., M.Sc. (Biotechnology) and M.Phil. (Biotechnology), specially to cater to the increasing requirements of the students of Goa for excellence in various aspects of Biotechnology.

M.Sc. Biotechnology Programme
Scheme of instruction: (Semester System)
Choice based Credit system

COURSE CODES	COURSE TITLES	NO OF CREDITS
	SEMESTER I	
GBC 101	FUNDAMENTALS OF MICROBIOLOGY	3
GBC 102	CONCEPTS IN BIOCHEMISTRY	3
GBC 103	PRINCIPLES OF GENETICS & MOLECULAR BIOLOGY	3
GBC 104	BIOINSTRUMENTATION	2
GBO 105	BIostatISTICS	2
GBO 106	COMMUNICATION SKILLS AND SCIENTIFIC WRITING	2
GBO 107	PRINCIPLES OF OCEANOGRAPHY	2
GBC 111	LAB IN MICROBIOLOGY	2
GBC 112	LAB IN BIOCHEMISTRY	2
GBC 113	LAB IN MOLECULAR GENETICS	2
	SEMESTER II	
GBC 201	INTRODUCTORY IMMUNOLOGY	3
GBC 202	CELL & DEVELOPMENTAL BIOLOGY	3
GBC 203	ENVIRONMENTAL BIOTECHNOLOGY	2
GBC 204	SEMINAR PRESENTATIONS	1

GBO 205	MARINE ECOSYSTEMS	2
GBO 206	BIOINFORMATICS	2
GBO 207	PLANT TISSUE CULTURE TECHNOLOGY	2
GBC 211	LAB IN IMMUNOLOGY	2
GBO 215	LAB IN MARINE BIOLOGY & CHEMISTRY	2
GBO 216	LAB IN BIOINFORMATICS	2
GBO217	LAB IN PLANT TISSUE CULTURE	1
	SEMESTER III	
GBC 301	BIOPROCESS & INDUSTRIAL BIOTECHNOLOGY	3
GBC 302	RECOMBINANT DNA TECHNOLOGY	3
GBC 303	ANIMAL CELL CULTURE	2
GBC 304	FIELD TRIPS & REPORT	1
GBO 305	NANOBIOTECHNOLOGY	2
GBO 306	FOOD BIOTECHNOLOGY	2
GBO 307	ENZYMOLGY	3
GBO 308	MOLECULAR IMMUNOLOGY	3
GBO 311	LAB IN FERMENTATION TECHNOLOGY	2
GBC 312	LAB IN RECOMBINANT DNA TECHNOLOGY	2
GBO 313	LAB IN ANIMAL CELL CULTURE	1
GBO 317	LAB IN ENZYME CHARACTERIZATION	2
	SEMESTER IV	
GBO 402	AQUACULTURE & MARINE PHARMACOLOGY	3
GBO 403	POTENTIAL OF MARINE ORGANISMS	3
GBO 404	BIOENTREPRENEURSHIP	2
GBC 404	SEMINAR PRESENTATIONS	1
GBO 405	BIOSAFETY & IPR	3
GBO 406	ADVANCES IN PLANT BIOTECHNOLOGY	3
GBO 407	ADVANCES IN ANIMAL BIOTECHNOLOGY	3
GBO 412	DISSERTATION*	8

NB :- Code: O:Optional; C:Core

M. Phil. (Biotechnology) (One Compulsory +Any two optional papers)

1. Paper I (Compulsory) : Research Methodology & Techniques
2. Paper II (Optional -1) : Functional Genomics
3. Paper III (Optional-2) : Microbial Technology
4. Paper IV (Optional-3) : Protein Chemistry and Enzyme Characterization
5. Paper V (Optional-4) : Basic Physics in Biosystems

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Department of Botany	Programmes Offered	Intake	Fees (Rs.)
Established: 1990	M.Sc.	30	11800.00
Code: BO	M.Phil.		13315.00
	P.G. Diploma in Applied Plant Sciences	10	22755.00
	Ph.D.		11575.00

DST-FIST/UGC-SAP SPONSORED DEPARTMENT

The Department offers postgraduate studies and research in Botany with thrust area in Plant Diversity (Algae, Fungi and Higher Plants), Plant Molecular Biology & Genetic Engineering, Plant Tissue Culture, Plant Developmental Biology, Plant Histochemistry, Plant Physiology and Mycorrhizal Research. Department has active R & D collaboration with industries on wine technology, mushroom cultivation and revegetation of mine wastelands.

Head of the Department: Kerkar, V. U.

List of Faculty & Specialisations

Professors

Sharma, P. K. Ph.D. (University of London, UK) (Plant Physiology, Plant Biology, Molecular Biology, Eco-Physiology and Plant Productivity).

Janarthanam, M. K. Ph.D. (Bharathiar University) (Plant Systematics, Ecology, Biodiversity, Plant-animal interactions, Remote Sensing & GIS).

Rodrigues, B. F. Ph.D. (Goa University) (Cytogenetics and Plant Breeding, Mycorrhizae, Waste land Reclamation, Medicinal Plants).

Kerkar, V. U. Ph.D. (Goa University) (Phycology and Pteridophytes).

Krishnan, S. Ph.D. (Madras University) (Plant Developmental Biology, Rice Biology, Plant Histochemistry, Plant Biotechnology and Molecular Biology).

Assistant Professor

Kamat, N. Ph.D. (Bombay University) (Mycology, Fungal Chemistry, Microbiology, Biotechnology, Environmental Impact Assessment).

Major Facilities and Equipments:

Poly Houses to maintain pure cultures of Arbuscular mycorrhizal (AM) fungi and Botanical Garden to cultivate and maintain medicinal, ornamental and endangered plants. Fungus Culture Collection and Research Unit (FCCU), Plant Tissue Culture Laboratory, Herbarium, Internet & Wi-Fi connectivity, Computer Laboratory licensed software for Bio and Chemo informatics, Microscopes of various types with photographic attachments and image analyzing system, Fluorescence microscope, Scanning Electron Microscope photosynthesis & productivity measuring system, Chlorophyll fluorometer, Infra-red Gas analyser, Oxygen Evolution (photosynthetic electron transport) and consumption (respiratory electron transport) analysis, HPLC, GC, Gradient PCRs, RT-PCR, Electrophoresis and Gel Documentation Systems, UV Visible, Double Beam Spectrophotometers Fluorescence Spectrophotometers - 80°C and 20°C C Deep Freezers, High speed Homogeniser, Orbital Shakers, Cooling Centrifuge, Rotary evaporators, Lyophilizer, Proteomics system and Cold Room are available in the Department.

M.Sc. Botany Programme
Scheme of Instruction (Semester System)
(Choice Based Credit System)

COURSE CODES	COURSE TITLE (CORE COURSES)	NO. OF CREDITS
BOC-121	Algae, Bryophytes, Pteridophytes and Gymnosperms	3
BOC-122	Lab in Algae, Bryophytes, Pteridophytes and Gymnosperms	1
BOC-123	Plant Microbiology and Pathology	3
BOC-124	Lab in Plant Microbiology and Pathology	1
BOC-125	Systematics of Angiosperms	3
BOC-126	Lab in Systematics of Angiosperms	1
BOC-221	Internal Morphology and Developmental Biology of Angiosperms.	3
BOC-222	Lab in Internal Morphology and Developmental Biology of Angiosperms	1
BOC-225	Plant Physiology	3
BOC-226	Lab in Plant Physiology	1
BOC-321	Plant Molecular Biology	3
BOC-322	Lab in Plant Molecular Biology	1
BOC-323	Plant Genetic Engineering	3
BOC-324	Lab in Plant Genetic Engineering	1
BOC-421	Cytogenetics and Plant Breeding	3
BOC-422	Lab in Cytogenetics and Plant Breeding	1
OPTIONAL COURSES (a student must choose at least 20 credits from the following)		
COURSE CODES	COURSE TITLE (OPTIONAL COURSES)	NO. OF CREDITS
BOO-121	Techniques and Instrumentation in Botany	3
BOO-122	Lab in Techniques and Instrumentation in Botany	1
BOO-123	Bioinformatics and Chemoinformatics	2
BOO-124	Lab in Bioinformatics and Chemoinformatics	2
BOO-125	Oenology (Wine Science and Technology)	1
BOO-126	Lab in Oenology (Wine Science and Technology)	1
BOO-224	Post Harvest Technology for Fruit Crops	2
BOO-225	Ethnobotany	2
BOO-322	Plant Biotechnology	3
BOO-323	Lab in Plant Biotechnology	1
BOO-324	Mycorrhizal Biotechnology	2
BOO-325	Lab in Mycorrhizal Biotechnology	1
BOO-326	Plant Histochemistry	2
BOO-327	Lab in Plant Histochemistry	1
BOO-328	Introduction to Paleoflora	1
BOO-440	Bioentrepreneurship and Innovation	1
BOO-441	Lab in Bioentrepreneurship and Innovation	1
BOO-442	Mushroom biotechnology	
BOO-443	Lab in Mushroom biotechnology	1
BOO-447	Ecotourism	2
BOO-448	Lab in Ecotourism	1
BOO-449	Advanced Ecology	
BOO-450	Lab in Advanced Ecology	
BOO-501	Fungal Chemistry and Mycoremediation	1

BOO-502	Lab in Fungal Chemistry and Mycoremediation	1
BOO-503	Glycobiology	1
BOO-504	Lab in Glycobiology	1
BOO-505	Fungal Biodiversity, Bioprospecting and Biotechnology	3
BOO-506	Lab in Fungal Biodiversity, Bioprospecting and Biotechnology	1
BOO-507	Mycological Techniques	3
BOO-508	Lab in Mycological Techniques	1

Evaluation: Evaluation of students is through internal assessment 40% of the assessment is in the form of continuous internal assessment during the Semesters through multiple written tests, assignments, seminars, practicals, etc. Remaining 60% of the assessment will be through written test (theory & practicals) at the end of the semester.

P.G. Diploma in Applied Plant Sciences:

The Department also offers self-financed and need-based Postgraduate Diploma in Applied Plant Sciences (horticulture, floriculture, agriculture, Silviculture, Organic Farming, Natural Resources Management, Landscaping and Gardening, Mushroom Cultivation and Post-Harvest Technology) in order to develop manpower. The programme has both theory and practical components and is offered in association with various Agricultural Institutes/Universities. Details can be obtained from the Department.

M. Phil. (Botany and Plant Biotechnology)

One year M. Phil. Programme in Botany and Plant Biotechnology. There will be one compulsory course and two optional courses which students can choose from the options available, according to their specialization.

List of Courses

Compulsory Courses		No. of Credits
BMC-101	Research Methodology and Techniques	4
Optional I		
BMO-101	Biotechnology and Applications	4
Optional II		
BMO-201	Advances in Fungal Biology and Biotechnology	4
BMO-202	Plant molecular stress physiology	4
BMO-203	Coastal vegetation and management	4
BMO-204	Advances in plant breeding and crop improvement	4
BMO-205	Plant Systematics and Biogeography	4
BMO-206	Developmental Biology of Flowering Plants	4

IMPORTANT : Optional II will be in the area of specialization/dissertation.

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Department of Marine Science	Programmes Offered	Intake	Fee (Rs.)
Established: 1985	M.Sc.	25	11800.00
Code: MS	M.Phil.		13315.00
	Ph.D.		11575.00

DST-FIST SUPPORTED DEPARTMENT

The Department of Marine Science offers postgraduate (M.Sc.) programme in Marine Science. Marine Science is an interdisciplinary programme with common courses in the first year (I & II Semesters) and specialisation courses in the second year (III & IV semesters). Specialisations offered are Physical Oceanography, Marine Chemistry, Marine Biology and Marine Geology.

The Department also offers research (Ph. D.) programme. The thrust areas of research are:

Physical Oceanography: (i) Optical Remote Sensing, Marine optics, Algorithm developments for retrieval of colour components from optically complex case II waters – coastal and estuarine waters, Radiative transfer modelling of visible spectrum of electromagnetic radiation, Identification of perennial source CO₂ through optical remote sensing, Marine aerosol over tropics, sub-tropics and polar waters - Atmospheric optics, Aerosol and atmospheric optics, Effect of aerosol on climate, Spatial Variability of maritime aerosol and Angstrom formula, Aerosol radiative forcing, Synoptic analysis of aerosol through satellite data, Satellite oceanography and meteorology, Air-sea interaction and genesis of water masses, Ocean circulation.

Marine Chemistry: Biogeochemical cycling of nutrients and trace metals in estuaries and adjoining coastal waters; Dissolved - particulate interactions of trace elements; Impact of pollutants (mining, sewage and industrial) on water quality, sediment composition and biota in estuaries and adjoining coastal waters, Speciation of some minor elements to understand dominant fraction of the total elements; Sorption modeling of trace metals.

Marine Biology: Marine demersal fish biodiversity assessment, Community structure, Trophic dynamics and ecosystem function, Database and photo documentation of demersal fish communities in coastal waters.

Marine Geology: Coastal and estuarine sediment characterization, Coastal morphology and dynamics, Coastal zone management, Impact of mining on lacustrine and estuarine sedimentary environment – suspended and bed-load sediments, Geochemistry of lacustrine & estuarine sediments and tidal / mudflat sedimentary environment, Speciation of elements in estuarine sediments and bioavailability of metals, Magnetic susceptibility of estuarine and mudflat sediments, Suspended matter and its chemistry of Southern Ocean, Environment assessment studies of estuaries and lakes, Reading pollution history through mudflat studies.

Head of the Department: Rivonker, C. U.

List of Faculty & Specialisations

Professors

Nayak, G. N. Ph.D. (Karnatak University) (Marine Geology, Modern Sedimentology, Sediment Geochemistry, Coastal Dynamics, Estuarine Sediments, Tidal/Mud Flats, Environmental Studies)

Menon, H. B. Ph.D. (University of Science & Tech., Cochin) (Physical Oceanography and Meteorology, Optical Remote Sensing, Marine and Atmospheric Optics, Aerosol Science, Radiative Transfer Modeling).

Rivonker, C. U. Ph.D. (Goa University) Marine Ecology, Aquaculture and Fisheries

Matta, V. M. Ph.D. (Andhra University) Marine Chemistry, Environmental Pollution, Seaweed Chemistry

Associate Professor

Upadhyay, S. Ph.D. (University of Poona & University of East Anglia, U.K.) Marine Chemistry, Estuarine Chemistry, Aquatic Geochemistry

Assistant Professors

Can, A. A. M. Tech., Ph.D. (Goa University) Satellite Meteorology and Oceanography, Physical Oceanography, Marine Meteorology

Nasnodkar, M. R. Ph.D. (Goa University) Marine Chemistry, Estuarine Geochemistry

M.Sc. Marine Science programme
Scheme of Instruction (Semester System)
(Choice Based Credit System)

COURSE CODE	COURSE TITLE	NO. OF CREDITS
Common Core courses for Semester I and II		
MSC 161	Physical Oceanography	4
MSC 162	Marine Chemistry	4
MSC 163	Marine Biology	4
MSC 261	Marine Geology	4
MSC 262	Computational Methods in Oceanography	4
Core courses for Physical Oceanography specialization (Semester III)		
MSC 361	Geophysical Fluid Dynamics	4
MSC 362	Ocean -Atmosphere coupling and climate	4
Core courses for Marine Chemistry specialization (Semester III)		
MSC 366	Marine Pollution	4
MSC 367	Marine Geochemistry I	2
MSC 368	Marine Geochemistry II	1
MSC 369	Marine Geochemistry III	1
Core courses for Marine Biology specialization (Semester III)		
MSC 366	Marine Pollution	4
MSC 373	Marine Ecology	4
Core courses for Marine Geology specialization (Semester III)		
MSC 367	Marine Geochemistry I	2
MSC 368	Marine Geochemistry II	1
MSC 369	Marine Geochemistry III	1
MSC 377	Sedimentology	4
Common Core courses for semester IV		
MSC 461	Estuarine and Coastal Physical Oceanography I	1
MSC 462	Estuarine Chemistry I	1

MSC 463	Estuarine Biology I	1
MSC 464	Estuarine and Coastal Geology I	1

OPTIONAL COURSES

COURSE CODE	COURSE TITLE	NO. OF CREDITS
MSO 164	Physical Oceanography Practical	2
MSO 165	Marine Chemistry Practical I	2
MSO 166	Marine Biology Practical	2
MSO 263	Remote Sensing and its applications	4
MSO 264	Analytical Chemistry of Sea water and Instrumental Techniques	4
MSO 265	Aquaculture	4
MSO 266	Marine Geology Practical	2
MSO 267	Computational Methods in Oceanography Practical	2
MSO 268	Remote Sensing and its applications Practical	2
MSO 269	Analytical Chemistry of Sea water and Instrumental Techniques Practical	2
MSO 270	Aquaculture Practical	2
MSO 363	Geophysical Fluid Dynamics Practical	1
MSO 364	Ocean Atmosphere Coupling and Climate Practical	1
MSO 365	Aerosol and Atmospheric Optics	2
MSO 370	Marine Pollution Practical	1
MSO 371	Marine Geochemistry Practical I	1
MSO 372	Marine Geochemistry Practical II	1
MSO 374	Marine Ecology Practical	1
MSO 375	Marine Microbial Ecology I	2
MSO 376	Tectonics and Structural Geology	2
MSO 378	Sedimentology Practical	1
MSO 465	Dynamic Oceanography I	2
MSO 466	Dynamic Oceanography II	2
MSO 467	Physical and Inorganic Chemistry of Sea Water	4
MSO 468	Marine Biodiversity Conservation and Practices	4
MSO 469	Marine Geo-physics	4
MSO 470	Estuarine and Coastal Physical Oceanography II	1
MSO 471	Estuarine Chemistry II	1
MSO 472	Estuarine Biology II	1
MSO 473	Estuarine and Coastal Geology II	1
MSO 474	Marine Microbial Ecology II	2
MSO 475	GIS Applications in Marine Science Practical	2
MSO 476	Marine Chemistry Practical II	2
MSO 477	Marine Microbial Ecology Practical	2
MSO 478	Aerosol Chemistry Practical	2
MSD 480	Dissertation	8

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Department of Microbiology	Programmes Offered	Intake	Fees (Rs.)
Established: 1974 (CPIR)	M.Sc. Microbiology	20	11800.00
Code: MI/MM/BC	M.Sc. Marine Microbiology	20	84000.00
	M.Sc. Biochemistry	20	84000.00
	Ph. D.		11575.00

The Department 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.

Head of the Department: Garg, S.

List of Faculty & their Specialisations

Professors

Dubey, S. K. (on lien) Ph.D. (Banaras Hindu University) (Molecular Biology, Genetic Engineering, Agricultural Microbiology, General and Applied Microbiology, Environmental Microbiology, Microbial Bio prospecting).

Nazareth, S. Ph.D. (University of Bombay) (Biochemistry, Mycology, Antimicrobials, Microbial degradations and metal remediation, Halophilic fungi).

Garg, S. Ph.D. (University of Delhi) (Industrial & Medical Microbiology, Microbial Technology, Marine Microbiology, Fungal Fermentation, Immunology, Biostatistics, Mathematics, Computer Application, Fishery Microbiology).

Assistant Professors

Charya, L. S. Ph.D. (Goa University) Environmental Microbiology, Bioremediation, Ectomycorrhizal fungi.

Chaudhari, P. D. Ph.D (Actrec Tat Memorial Centre, Navi Mumbai, Mumbai University) Cell Biology, Molecular Biology, Cancer Biology, MOI Therapeutics, Biochemistry (UGC-FRP).

D'Costa, P. M. Ph.D. (Goa University) (Marine Microbiology, interactions between phytoplankton and bacteria, phytoplankton, diversity, biofilms).

Naik, M. M. Ph.D. (Goa University) (Environmental Microbiology, Marine Microbiology, Molecular Biology, Microbial genetics, Agricultural Microbiology).

Major Facilities:

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; Waterbath; Incubator-shakers; Spectrofluorimeter; Rheometer; Fermentor; Oxygen Analyser; Gel Documentation Systems; SDS-PAGE & IEF System; Nanodrop spectrophotometer, PCR, Eporator, Freezer (-20° C).

M.Sc. Microbiology programme
Scheme of Instruction (Semester System)
Choice Based Credit System

COURSE CODES	COURSE TITLES	NO. OF CREDITS
	Semester 1 – Core Papers	
MIC 101	Microbial Biochemistry	3
MIC 102	Microbial Genetics	3
MIC 103	Microbial Taxonomy and Systematics	3
MIC 104	Biostatistics	3
MIC 105	Practical I	4
	Semester 2 – Core Papers	
MIC 201	Techniques and Instrumentation in Microbiology	3
MIC 202	Industrial Microbiology	3
MIC 203	Molecular Biology	3
MIC 204	Mycology	3
MIC 205	Practical II	4
	Semester 3 & 4 – Optional Papers	
MIO 101	Medical Virology	3
MIO 102	Archaea [T]	3
MIO 103	Archaea [P]	1
MIO 104	Marine Microbiology [T]	3
MIO 105	Marine Microbiology [P]	1
MIO 106	Environmental Microbiology and Bioremediation [T]	3
MIO 107	Environmental Microbiology and Bioremediation [P]	1
MIO 108	Genetic Engineering [T]	3
MIO 109	Genetic Engineering [P]	1
MIO 110	Immunology [T]	3
MIO 111	Immunology [P]	1
MIO 112	Extremophilic Microorganisms [T]	3
MIO 113	Extremophilic Microorganisms [P]	1
MIO 114	Research Methodology [T]	1
MIO 115	Research Methodology [P]	1
MIO 116	Microbial Technology [T]	3
MIO 117	Microbial Technology [P]	1
MIO 118	Food Microbiology [T]	3
MIO 119	Food Microbiology [P]	1
MIO 120	Agriculture Microbiology [T]	3
MIO 121	Agriculture Microbiology [P]	1
MIO 122	Medical Microbiology and Epidemiology [T]	3
MIO 123	Medical Microbiology and Epidemiology [P]	1
MIO 124	Marine Microbial Interactions [T]	3
MIO 125	Marine Microbial Interactions [P]	1
MIO 201	Field Trip/Study Tour [P]	1
MIO 202	Training in an Institute/ Industry/ University	1
MID	Dissertation	8

Under Optional Courses:

- The theory course is a prerequisite for any practical course.

- Students of Microbiology and Marine Microbiology Programmes shall be required to take both Theory and Practical Courses under a given Course Title.

Innovative M.Sc. in Marine Microbiology

UGC sponsored programme for Teaching and Research in Marine Microbiology.

Scheme of Instruction (Semester System)

Choice Based Credit System

COURSE CODES	COURSE TITLES	NO. OF CREDITS
	Semester 1 – Core Papers	
MMC 101	Microbial Biochemistry	3
MMC 102	Microbial Genetics	3
MMC 103	Microbial Taxonomy and Systematics	3
MMC 104	Biostatistics	3
MMC 105	Practical I	4
	Semester 2 – Core Papers	
MMC 201	Techniques and Instrumentation in Microbiology	3
MMC 202	Industrial Microbiology	3
MMC 203	Molecular Biology	3
MMC 204	Marine Microbiology	3
MMC 205	Practical II	4
	Semester 3 & 4 – Optional Papers	
MMO 101	Marine Virology	3
MMO 102	Microbial Ecology of the Deep Marine Environment	4
MMO 103	Polar Microbiology	3
MMO 104	Marine Pollution and Microbial Remediation [T]	3
MMO 105	Marine Pollution and Microbial Remediation [P]	1
MMO 106	Marine Microbial Prospecting and Technology [T]	3
MMO 107	Marine Microbial Prospecting and Technology [P]	1
MMO 108	Archaea [T]	3
MMO 109	Archaea [P]	1
MMO 110	Genetic Engineering [T]	3
MMO 111	Genetic Engineering [P]	1
MMO 112	Marine Environment and Public Health Management [T]	3
MMO 113	Marine Environment and Public Health Management [P]	1
MMO 114	Marine Extremophilic Microorganisms [T]	3
MMO 115	Marine Extremophilic Microorganisms [P]	1
MMO 116	Techniques in Microbial Oceanography [T]	3
MMO 117	Techniques in Microbial Oceanography [P]	1
MMO 118	Fishery Microbiology [T]	3
MMO 119	Fishery Microbiology [P]	1
MMO 120	Marine Mycology [T]	3
MMO 121	Marine Mycology [P]	1
MMO 201	Field Trip/Study Tour [P]	2
MMO 202	Training in an Institute/ Industry/ University	1
MMD	Dissertation	8

Under Optional Courses:

- The theory course is a prerequisite for any Practical Course.
- Students shall be required to take both Theory and Practical Courses under a given Course Title

M.Sc. Biochemistry programme
Scheme of Instruction (Semester System)
Choice Based Credit System

COURSE CODE	COURSE TITLES	NO. OF CREDITS
	Semester 1 – Core Papers	
BCC 101	Fundamentals of Biochemistry	3
BCC 102	Enzymology	3
BCC 103	Analytical Biochemistry - I	3
BCC 104	Biostatistics	3
BCC 105	Practical I	4
	Semester 2 – Core Papers	
BCC 201	Clinical Biochemistry	3
BCC 202	Molecular Biology	3
BCC 203	Analytical Biochemistry – II	3
BCC 204	Immunology- I	2
BCC 205	Membrane Biochemistry	1
BCC 206	Practical II	4
	Semester 3 & 4 – Optional Papers	
BCO 101	Hormones	2
BCO 102	Neurochemistry	2
BCO 103	Genetic Engineering [T]	3
BCO 103	Genetic Engineering [P]	1
BCO 104	Nutrition and Food Biochemistry [T]	3
BCO 104	Nutrition and Food Biochemistry [P]	1
BCO 105	Microbes In Health and Disease [T]	3
BCO 105	Microbes In Health and Disease [P]	1
BCO 106	Drug Metabolism	1
BCO 107	Immunology - II	3
BCO 108	Biochemistry of Environmental Pollution and Remediation [T]	3
BCO 108	Biochemistry of Environmental Pollution and Remediation [P]	1
BCO 109	Industrial Biochemistry [T]	3
BCO 109	Industrial Biochemistry [P]	1
BCO 110	Frontiers in Biotechnology [T]	3
BCO 110	Frontiers in Biotechnology [P]	1
BCO 111	Bioprospecting	4
BCO 112	Nanobiotechnology [T]	3
BCO 112	Nanobiotechnology [P]	1
BCO 113	Pharmaceutics [T]	3
BCO 113	Pharmaceutics [P]	1
BCO 114	Research Methodology [T]	3
BCO 114	Research Methodology [P]	1
BCO 201	Field Trip/Study Tour [P]	1

BCO 202	Training in an Institute/ Industry/ University	1
BCD	Dissertation	8

Under Optional Courses:

- The theory course is a prerequisite for any practical course.
- Students of M.Sc. Biochemistry shall be required to take both Theory and Practical Courses under a given Course Title.

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Department of Zoology	Programmes Offered	Intake	Fees (Rs.)
Established: 1990	M. Sc.	30	11800.00
Code: ZO	PG Diploma in CG&MLT	20	40795.00
	M. Phil.		13315.00
	Ph. D.		11575.00

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

The Department offers Masters Programme in Zoology with emphasis on core areas of Biodiversity, various forms of life and Life processes in relation to habit and habitat of the organism. Departments also give importance in the recent advances of animal genetics, molecular biology and their application in their post graduate curriculum. Department undertake the research in the areas of biodiversity, avian biology, environmental physiology, membrane biochemistry, nutritional biochemistry, genetic toxicology, vector borne diseases etc. of local, national and international importance. Besides, department also offers a self financed, job oriented PG Diploma program in Clinical Genetics and Medical Laboratory Techniques in collaboration with Goa Medical College. This program is a two semester teaching followed by one semester hands on training in different clinical laboratories for State/Central Govt. Recognized Medical College/Hospitals /Institute.

Head of the Department: Shyama, S.K.

List of Faculty & Specialisations

Professors

Shyama, S. K. Ph. D. (Mangalore University) (Genetic Toxicology, Human Genetics).

Roy, R. Ph. D. (Visva Bharati University, Shantiniketan) (Environmental Physiology, Lipid Biochemistry, Nutritional Biochemistry).

Pai, I. K. Ph. D. (Mysore University) (Genetics, Sericulture, Biodiversity).

Major Facilities:

Environmental Chamber, Animal Tissue Culture facility, Animal house facility, Cold Room, Ultra Centrifuge machine, Trinocular Research Microscope, Fluorescent Microscope, Spectrofluorophotometer, UV – Visible Spectrophotometer, nano- drop Spectrophotometer, HPLC, Thermal Cyler, GC-Mass etc.

M.Sc. Zoology Programme **Scheme of Instruction (Semester System)** **Choice Based Credit System**

SEMESTER I **CORE COURSES (16 CREDITS)**

COURSE CODE	COURSE TITLES	NO. OF CREDITS
ZOC 101	Animal Taxonomy and Systematics	3
ZOC 102	Comparative Anatomy of Animals	3
ZOC 103	Animal Biochemistry	3
ZOC 104	Cell and Molecular Biology	3
ZOC 105	Laboratory Course I (Based on ZOC 101, 102, 103 & 104)	4

**SEMESTER II
CORE COURSES (16 CREDITS)**

COURSE CODE	COURSE TITLES	NO. OF CREDITS
ZOC 201	Animal Genetics	4
ZOC 202	Comparative Physiology of Animals	4
ZOC 203	Advanced Developmental Biology	4
ZOC 204	Agricultural Entomology	4
ZOC 205	Laboratory Course II (Based on ZOC 201, 202, 203 & 204)	4

**SEMESTER III
DEPARTMENTAL OPTIONAL COURSES (16 CREDITS)**

(Any Seven courses to be opted besides the mandatory Field Work Course)

COURSE CODE	COURSE TITLES	NO. OF CREDITS
ZOO 301	Animal Cell culture	2
ZOO 302	Biodiversity	2
ZOO 303	Biology of Reproduction	2
ZOO 304	Environmental Physiology	2
ZOO 305	Fishery Biology	2
ZOO 306	Marine Zoology	2
ZOO 307	Molecular Endocrinology	2
ZOO 308	Human Parasitology	2
ZOO 309	Genetic Toxicology	2
ZOO 310	Field Work	2

**SEMESTER IV
DEPARTMENTAL INTERDECIPLINARY COURSES (16 CREDITS)
(Any eight credit courses to be opted besides Dissertation)**

COURSE CODE	COURSE TITLES	NO. OF CREDITS
ZOO 401	Ethology	2
ZOO 402	Avian Biology	2
ZOO 403	Biochemical Techniques	2
ZOO 404	Evolutionary Biology	2
ZOO 405	Human Genetics	2
ZOO 406	Immunology	2
ZOO 407	Wildlife and Conservation	2
ZOO 408	Medical Entomology	2
ZOO 409	Nutritional Biochemistry	2
ZOO 410	Radiation Biology	2
ZOO 411	Dissertation*	8

NOTE:* Dissertation of 8 credits in lieu of 8 credits of Optional Courses besides regular 8 credits of Interdisciplinary Optional Courses. Total 16 credits to be earned during Semester IV

M. Phil Programme

SEMESTER – I

Paper 1 - Research Methodology (compulsory)

Paper 2 & 3: Optional Courses: A student has to take only two such courses from the following:

Advanced Genetic Toxicology

Fish and Fisheries

Membrane Biochemistry and Nutritional Biochemistry

Tissue Culture

Zooplankatology

Medical Entomology

Contact hours for each course is 60 hrs.

SEMESTER – II

Paper 4: Dissertation

PG Diploma in Clinical Genetics and Medical Laboratory Techniques programme:

Semester I	
DLTC01	Clinical Genetics I
DLTC02	Clinical Biochemistry
DLTC03	Clinical Microbiology (General and Systematics)
DLTC04	Clinical Pathology & Histology
Semester II	
DLTO01	Clinical Genetics II
DLTO02	Clinical Biochemistry II
DLTO03	Clinical Parasitology, Mycology & Virology
DLTO04	Hematology & Transfusion Medicine
Semester III	
Hands on Training	

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FACULTY OF COMMERCE AND MANAGEMENT STUDIES

Dean: Prof. K.B. Subhash

Department of Commerce	Programmes Offered	Intake	Fees (Rs.)
Established: 1988	M. Com.	60	5910.00
Code: CO	MBA (FS) (S.F)	60	113680.00
	M. Phil.		11800.00
	Ph. D.		11575.00

The thrust areas of the Department are Accounting and Finance, Financial Services, Entrepreneurship Studies, Tourism and Hotel Management Studies. The Department has established good contacts with the Industry and Business enterprises in and outside Goa for Corporate internship and placement services for M.Com and MBA (FS) students. The broad objectives of MBA (FS) programme include creation and development of conceptual, managerial and operational skills of managers for the financial services industry.

Head of the Department: Subhash, K. B.

List of Faculty & Specialisations

Professors

Ramesh, B. Ph. D. (Sri Krishna Devaraya University) Accounting and Finance, Capital Market Studies

Reddy, Y. V. Ph. D. (Osmania University) Accounting and Finance, Capital Market Studies. (**on lien**)

Anjana R. Ph. D. (Goa University) Accounting & Finance, Capital Market Studies

Subhash, K. B. Ph. D. (Calicut University) Quantitative Techniques, Entrepreneurship, Strategic Management, Materials Management

Assistant Professors

Sriram Padyala, Ph.D., (Osmania University) Accounting, Finance, Security Analysis and Portfolio Management

Dhume, P. Ph.D. (Goa University) Capital Markets, Security Analysis and Portfolio Management, Direct and Indirect Taxes, Retail Marketing (**on tenure basis**)

Pournima B. G. Ph.D. (Goa University), M.Phil (Sri Venkateswara University) Accounting & Finance, Quantitative Techniques, Econometrics, Risk Management (**on tenure basis**)

Kumar, P. Ph.D. (Aligarh Muslim University) Accounting & Finance, Cost Management (**on tenure basis**)

M.Com Programme
(Choice Based Credit System)

COURSE CODE	COURSE TITLES (CORE COURSES)	NO. OF CREDITS
COC101	Security Analysis and Capital Markets	4
COC102	Fundamentals of Financial Services	4
COC103	Managerial Accounting	4
COC104	New Venture Creation	4
COC201	International Financial Management	4
COC202	Management of Financial Services	4
COC203	Portfolio Management	4
COC204	Research Methodology	4

Specialisation Courses

- The students are required to opt for 4 Papers during the Third semester and 4 Papers during the Fourth Semester from one of the two specializations.
- The Dissertation is optional. if the students choose to do dissertation, students are required to opt any 3 Papers during the Third semester and any 3 Papers during the Fourth Semester.

Specialisation Courses [Accounting and Finance]

COO3A1	Investment and Financing Decisions	4
COO3A2	Corporate Mergers and Acquisitions	4
COO3A3	Futures and Forward Derivatives	4
COO3A4	Direct Taxes	4
COO3A5	Corporate Valuation	4
COO3A6	Statistics and Business Econometrics	4
COO4A1	Working Capital and Dividend Decisions	4
COO4A2	Management of Mutual Funds	4
COO4A3	Options and Interest Rate Derivatives	4
COO4A4	GST and Other Indirect Taxes	4
COO4A5	Cost Management & Control	4
COO4A6	Advanced Econometrics	4

Specialisation Courses [Business Management]

COO3B1	Retail Marketing	4
COO3B2	Human Resource Development	4
COO3B3	Marketing Management	4
COO3B4	Materials Management	4
COO3B5	Business Environment	4
COO3B6	Strategic Management	4
COO4B1	Advertising and Sales Management	4
COO4B2	Tourism and Travel Management	4
COO4B3	Services Marketing	4
COO4B4	International Trade and Environment	4
COO4B5	Corporate Governance and Corporate Social Responsibility	4
COO4B6	Organizational Behavior	4

Field Based Optional Courses

COO4D	Dissertation	8
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MBA (Financial Services) Course Structure

COURSE CODES	COURSE TITLES	NO. OF CREDITS
Semester I		
FSC101	Accounting for Management	4
FSC102	Research Methodology and Statistical Analysis	4
FSC103	Financial Management	4
FSC104	Security Analysis	4
FSC105	Financial Services - I	4
FSC106	Stock Market Operations	4
FSC201	Business Statistics and Econometrics for Managers	4
FSC202	Portfolio Management	4
FSC203	Financial Services - II	4
FSC204	Treasury and Forex Management	4
FSC205	Derivatives Market	4
FSC206	Financial Risk Management	4
Specialization Courses		
FSO301	Corporate Restructuring	4
FSO302	Advanced Econometrics for Finance	4
FSO303	Venture Capital and Private Equity	4
FSO304	Organizational Behaviour	4
FSO305	Corporate Governance and Social Responsibility	4
FSO306	Marketing of Financial Services	4
FSO307	Infrastructure and Real Estate Finance	4
FSO308	Business Analytics	4
FSO309	Tax Planning and Management	4
FSO310	Commodity Markets	4
FSO311	Managerial Skills	4
FSO312	Insurance Management	4
FSO313	Advanced IT Applications for Business	4
FSC314	Summer Training Report	8
Field Based Compulsory Courses		
FSC401	Corporate Internship	8
FSC402	Dissertation	12

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Department of Management Studies	Programmes Offered	Intake	Fees (Rs.)
	MBA	60	113680.00
	Integrated MBA	40	76440.00
	M. Phil.		11800.00
	Ph.D.		11575.00

The Department provides education to prepare students for a career in management. The Department is also involved in creating and disseminating knowledge on management through research and consulting in the services and manufacturing sectors.

Admission: The admission to MBA is based on **CMAT conducted by AICTE**, and work experience, group discussions and personal interview.

Head of Department: Dayanand, M. S.

List of Faculty & Specialisations

Professors

Mekoth, N. Ph.D. (Calicut University) Marketing, Finance.

Dayanand, M. S. Ph.D. (Goa University) Marketing & Tourism Management.

Hegde Desai, P. A.C.A., Ph. D. (Goa University) Finance, Marketing.

Borde, N. Ph.D. (Goa University) Finance.

Associate Professor

Nirmala, R. Ph.D. (Andhra University) Marketing, Human Resources.

Assistant Professors

D'Souza, E. M. Sc. (T.H.M.) Hospitality Management **(On tenure basis)**

D'Souza, K. S. (M.A.T.M.) Hospitality **(On tenure basis)**

Albino, T. (M.Sc.HM) (Hotel Management) **(On tenure basis)**

De Sa, T. MBA (Financial Services) **(On tenure basis)**

Major Facilities/Features:

Case Study methods of Harvard/IIM type, Formal credit courses in soft skills/contemporary issues, 100% continuous assessment, Well placed alumni help with placement, On line journal database, On line industry and company database, On line interactions through course management software, Regular interactions with executives, Industry internships, Mock interviews by executives, Faculty including visiting faculty with IIM/industry background, Exchange program with Germany, Wireless connectivity for laptops, Opportunity to opt for courses from other disciplines, Internet, audiovisual facilities and Book Bank.

Masters in Business Administration (MBA) Programme
Scheme of Instruction (Semester System)
(Choice Based Credit System)

TERM I

COURSE CODES	COURSE TITLES	NO. OF CREDITS
MBCB011	IT Skills and MIS	02
MBCB009	Production Operations Management(OR)	04
MBCS002	Interview facing skills and Mock Interview	02
MBCB002	Economics	04
	Management Accounting	02
MBCS001	Communication Skills Oral + Written+GD+Presentation	04
MBCB004	Legal Aspects of Business	02
	Optional Non Business Course 1 Foreign Language	04
MBON001	Language - German	
MBON002	Portuguese	
	TOTAL	24

TERM II

COURSE CODES	COURSE TITLES	NO. OF CREDITS
MBCB005	Marketing Management	04
MBCB006	Finance Management	04
MBCB001	Management Process and Organisational Behaviour	04
MBCB007	Strategic Management	02
MBCB010	Business Research Methods	02
MBCB008	HR Management	04
	Optional Non Business Course 2 Foreign Language	02
MBON003	Language- German	
MBON004	Portuguese	
	TOTAL	22

SUMMER INTERNSHIP

Summer Internship Internship Report 6 Credits(MBIR001), Seminars 2 Credits (MBIS001)	April to June 08 Credits
TOTAL TERM II	30

TERM III Optional Business Courses

Courses	Offered
Finance	20
Marketing	20
Human Resource	20
General Management	04

To be completed by students – 24 Credits

TERM IV FINAL INTERNSHIP

From December to March

Final Internship Report 18 Credits (MBIR002) and Final internship Seminars 2 Credits(MBIS002).

TOTAL CREDITS (24+22+24+20) = 98

Courses and their allocation across terms are subject to change.

Functional electives (such as finance, marketing, human resources, operations and systems) and industry electives (such as hospitality and tourism, IT enabled services) shall be offered within the constraints of students' demand and the resources available with the department from time to time.

INTEGRATED MBA (HOSPITALITY, TRAVEL AND TOURISM)

Given the potential for interesting and rewarding careers in the tourism industry many young people are looking for suitable programmes which will help prepare them for careers in management within the tourism and hospitality industries. Keeping in mind the resources, the demand and the contextual necessity in relation to the Hospitality Travel and Tourism Industry, Goa University has started a 5 year integrated MBA- Hospitality, Travel and Tourism program with an option to exit after BBA, from July 2011.

Eligibility: A pass in the XIIth standard or 3 yrs Govt. approved Diploma

Selection Process: Admission for the **40** seats based on **XII Standar Score, Entrance Test, GD, PI conducted by Goa University.**

Scheme of Instruction (Semester System) (Choice Based Credit System)

TERM 1

COURSE CODES	COURSE TITLES	NO. OF CREDITS
HTC102	F & B Service Theory 1	04
HTC101	Food Production Theory 1	04
HTC109	Front Office Operations 1	04
HTC106	Accommodation Operations Practical 1	02
BBCS001	Oral Communication Skills (Soft Skills 1)	02
HTO103	Tourism Products of India (OBC 1)	02
HTN103	Appreciation and Understanding of Theatre (ONBC 1)	04
	TOTAL	22

TERM 2

COURSE CODES	COURSE TITLES	NO. OF CREDITS
HTC105	F & B Service Practical 1	04
HTC104	Food Production Practical 1	04
HTC112	Front Office Practical	02
BBCS002	Written Communication Skills (Soft Skills 2)	02
BBCB005	Management Process (OBC 2)	02
BBCB012	Financial Statement Analysis (OBC 3)	02
HTO112	Food Science and Nutrition (OBC 4)	02
HTN105	Hygiene and Sanitation (ONBC 2)	02
HTN101	Character Development (ONBC 3)	04
	TOTAL	24

TERM 3

COURSE CODES	COURSE TITLES	NO. OF CREDITS
HTC108	F & B Service Theory 2	04
HTC107	Food Production Theory 2	04
HTC103	Accommodation Operations Theory 1	04
BBCS003	Presentation Skills (Soft Skills 3)	01
BBCS006	Etiquettes (Soft Skills 4)	01
BBCB003	Human Resources Management 1 (OBC 5)	02
BBCB016	IT Skills (OBC 6)	02
BTOB006	Entrepreneurship in Tourism	02
BBON024	Music Appreciation (ONBC 4)	02
BBON021	Film Appreciation (ONBC 5)	02
	TOTAL	24

TERM 4

COURSE CODES	COURSE TITLES	NO. OF CREDITS
HTC111	F & B Service Practical 2	02
HTC110	Food Production Practical 2	04
HTC201	Tourism Concepts	04
BBCS012	Public Speaking (Soft Skills 5)	02
HTN104	Diet Meal Planning (ONBC 6)	02
BBIR001	Internship Report and Seminar	11
	TOTAL	25

TERM 5

COURSE CODES	COURSE TITLES	NO. OF CREDITS
HTC114	F & B Service Theory 3	04
HTC118	F & B Service Practical 3	02
BBCS005	Negotiation Skills (Soft Skills 6)	01
BBCS007	Time Management (Soft Skills 7)	01
BBCB001	Marketing Management (OBC 8)	02
BBCB035	Environmental Management (OBC 9)	02
HTO102	Tourism Industry (OBC 10)	02
BBCB041	Case Analysis 1 (OBC 11)	01
BBCB042	Case Analysis 2 (OBC 12)	01
BBCB003	Human Resource Management (OBC 13)	02
BBON008	Creative Writing (ONBC 7)	02
BBON025	Cultural Heritage of Goa 1 (ONBC 8)	02
	TOTAL	22

TERM 6

COURSE CODES	COURSE TITLES	NO. OF CREDITS
BBCS004	Interview Facing Skills (Soft Skills 8)	02
BBCB006	Organisational Behaviour (OBC 12)	04
BBCB047	Case Writing and Analysis (OBC 15)	01
BBCB048	Case Writing and Analysis (OBC 16)	01
BBON028	Critical Thinking (ONBC 9)	02
BBON031	Psychology (ONBC 10)	02
BBIR002	Internship Report & Seminar	11
	TOTAL	22

TERM 7

COURSE CODES	COURSE TITLES	NO. OF CREDITS
HTC119	F & B Management	04
HTC116	Front Office Operations 2	04
HTC113	Food Production Theory 3	04
HTC115	Accommodations Operations 2	04
HTC204	Marketing of Hospitality & Tourism	02
HTC206	Travel Agency Management	02
BBCS010	Emotional Intelligence (Soft Skills 9)	02
BBCS009	Team Building (Soft Skills 10)	01
BBCS011	Group Discussion (Soft Skills 11)	02
BBON006	Photography (ONBC 11)	02
BBON026	Cultural Heritage of Goa 2 (ONBC 12)	02
	TOTAL	27

TERM 8

COURSE CODES	COURSE TITLES	NO. OF CREDITS
HTC117	Food Production Practical 3	04
HTC121	Front Office Management	02
CM02	Strategic Management	04
CM07	Business Research Methodology	02
HTC203	Economics of Tourism	04
CM13	Mock Interviews by Executives (Soft Skills 12)	01
BBON030	Individual & Society (ONBC 13)	02
MBIR001	Summer Internship, Report & Seminar	08
	TOTAL	27

TERM 9

COURSE CODES	COUSE TITLES	NO. OF CREDITS
--	Tourism & Hospitality Electives	12
--	Management Electives	12
	TOTAL	24

TERM 10

COURSE CODES	COURSE TITLES	NO. OF CREDITS
MBIR002	Final Internship	20

	Core Business	Core Soft Skill	Elective Business	Non Business	Internship Report & Seminar	Total Credits
BBA	52	12	30	24	22	140
MBA	34	06	24	06	28	98
IMBA	86	18	54	30	50	238

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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 departments 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 Department should be submitted along with certified copies of the required certificates, duly recommended by the Guide and the Head of the Department to the Academic PG Section. The last date to receive applications will be notified separately. (Hyperlink for form and mandate)

Conditions for the award of Research Studentship:

1. Full time research scholars should have at least second class at the graduation level and obtained Master's degree by papers 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. Research scholars whose Ph.D. registration is likely to be confirmed by December 2018 can also apply. Applications of such candidates shall have to be recommended by their respective guide.
3. Full time research scholars 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 sanction order.
7. Applications will be screened by the University Research Committee and its decision shall be final.
8. Research scholars shall have to sign the attendance register available in the respective Departments, 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 3rd year on recommendation of the Committee to the Vice-Chancellor for approval subject to the following conditions:
 - i) There is significant progress made by the candidate in the research work.
 - ii) The applicant has published a paper involving his/her work in a refereed journal.
10. Candidates are required to apply for continuation of the fellowship during the second year which will be on the basis of recommendation of guiding teacher and the certification of the HOD regarding attendance of the candidate and research work done by the applicant.
11. Scholars selected for Goa University research studentship will be entitled for 30 days leave in an academic year. Leave beyond 30 days will be without scholarship.
12. Research scholar is required to return the fellowship amount paid to him/her to the University, in case the Ph.D. course of study is terminated without completion. Research scholar shall be required to submit such an undertaking.

2. 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 Academic (PG). Applications completed in all respects should reach the Academic (PG) 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 Stream(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.

3. 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.

4. 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), 4th 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.

5. 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, Department 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 w.e.f. 23 July 1992, 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 **Prof. Rahul Tripathi, Department of Political Science, Foreign Students' Advisor**, e-mail: rmt@unigoa.ac.in for necessary guidance.

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LIST OF PRIZES AND AWARDS:

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

- | | |
|--|---|
| 1. Shri Venkatesh Govind Sinai Virginkar Prize | M.A. French |
| 2. Prof. G. D. Parikh Memorial Scholarship | M. A. Economics |
| 3. Dr. P. R. Dubhashi Award | M.A. Economics, Political Science, Sociology, History, Philosophy |
| 4. EDC Gold Medal | MBA |
| 5. Prof. D. B. Wagh & Hira Wagh Fund | M.Sc. Mathematics or Physics |
| 6. Francisco Correia Afonso Memorial Prize | M.A. English |
| 7. Late Smt. Rukminibai & Late Baburao Wader Memorial Prizes | M. A. Marathi |
| 8. Dr. V. V. R. Varada Chari Gold Medal | M.Sc. Marine Science (Specialization in Oceanography) |
| 9. Late Dr. Leo Mackensen Barros Gold Medal | M.Sc. Marine Biotechnology |
| 10. Shri Megha Shyam Parshuram Deshpurabhu Parithoshik | M.A. Portuguese, M.A. French or M.A. History |
| 11. Dr. Vithal R. Mitragotri Memorial Prize | M.A. History |
| 12. Jindal Jubilee Gold Medal | M.Com. |
| 13. Xth Indian Council of Chemistry Conference | M.Sc. Inorganic, Organic & Physical Chemistry (1 each) |
| 14. Late Dr. G. V. Kamat Helekar Prize | M.A. Economics |
| 15. Late Miss Kavita Devraj Anand Prize | M.Com. |
| 16. Prof. F. B. Antao Gold Medal | M.Sc. Geology |
| 17. Shri. Prabhakar Shejwadkar Gold Medal | M.A. Hindi |
| 18. Rotary Club of Panaji Scholarship | MCA |
| 19. Uttaranchal Sanskritik Mandal Goa Scholarship | M.A. Hindi |
| 20. Prof. S. K. Paknikar Research and Educational Trust Prize | M.Sc. Organic Chemistry |
| 21. Coca-Cola Gold Medal | M.Com. and M.Sc. Chemistry (one each) |
| 22. Coca-Cola Cash Prize | M.Com. and M.Sc. Chemistry (one each) |
| 23. Late Shri Dilip Kumar Rayu Prabhu Mahambre Gold Medal (4 Medals) | M.Sc.- Botany; M.A.- Economics; M.A. – Konkani ; M.A.- Philosophy/ Political Science/ Sociology by rotation |
| 24. Department of Zoology Gold Medal | M.Sc. Zoology |
| 25. IV SERC School in Physics Gold Medal | M.Sc. (Physics & Electronics) |
| 26. Prof. Daleep Singh Research Scholarship | Ph.D. in Economics on a topic relating to a former Portuguese Colony in Africa, particularly Angola and Mozambique. |
| 27. Prof. N.C. “Nigam Memorial Gold Medal” | M.Sc. Microbiology |
| 28. Late Shri. Janardan Gopal Thaly Memorial Gold Medal | M.B.A. (Financial Services) |
| 29. Late Smt. Laxmi Narayan Shet Narvekar Prize | B.Sc. (Amongst students admitted to M.Sc. |

	Mathematics at Goa University)
30. Tasneem Fazal Gold Medal and cash prize	Lady student topper in B.Sc. from GU taking admission in M.Sc. (Physics)
31. Francis Simon Cabral Gold Medal	M.Sc. Chemistry
32. Satyajit Kerkar Gold Medal	M.Sc. Marine Biotechnology
33. CSI, Goa Chapter - Gold Medal	M.C.A.
34. Yeshwant Govind Kamat Prize	B. Sc. Mathematics of Goa University student enrolled for M. Sc. Maths in Goa University
35. Finalists Do Setima Ano Do Liceu – 1957 Gold Medal	M. A. Portuguese, M. Sc. Mathematics
36. Dr. Wilfred De Souza Gold Medal	M. S. (Surgery)
37. Shrimati Malati Chauhan & Shri Shivdayal Singh Chauhan Memorial Gold Medal	MBA
38. C. X. Furtado Gold Medal	M.Sc. Advanced Ecology at M.Sc. Botany OR Evolutionary Biology at M.Sc. Zoology
39. Late Shri Anant Ramkrishna S. Dhume Gold Medal	M. A. History
40. Zoology Department Prize for Ph.D Research paper	Ph.D. Zoology
41. Fr. Victor Joao Gualberto Anes and Arnaldo Tome Berta Epifanio Anes Prize	Topper in M.A. English, M.A. Sociology, M.Sc. Mathematics & M.Com. in Accounting & Finance
42. Dr. Harishchandra T. Nagvenkar Prize	Topper in M.A. Konkani
43. Late Adv. Lakshmikant V.S. Talaulikar Prize	Topper in M.A. Konkani
44. Late Professor Dattaram Anant Ambiye sponsored “Sant Sohirobanath Ambiye Prize”	Topper in M.A. Marathi

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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LIST OF AFFILIATED COLLEGES, RESEARCH CENTRES AND RECOGNISED INSTITUTIONS

Sr. No	Name of College / Institution	Full Address of the College / Institution	Name of Principal/ Director	Contact Number and E-mail ID'S of College & Head of the Institute	Programmes Offered
1.	Dempo Charities Trust Dhempe College of Arts & Science	P.O.Box No.222, Miramar, Panaji, Goa – 403 001	Dr.(Mrs) Vrinda P.S. Borker	College contact No.: 2462376, 2461507, (Fax)2462315 College Email ID: dhempe@rediffmail.com Principal's contact No.: 9822129669 Principal's Email ID: principal@dhempecollege.edu.in	Grant-in-aid Programs B.A./B.Sc. B. A. - Konkani/ Marathi/ Hindi/ English/ Economics/ Political Science/ History/ Philosophy/ Psychology B. Sc. in Chemistry/ Botany/ Physics/ Geology/ Zoology/ Computer Science/ Mathematics Self-financed Programs B.Sc. Biotechnology
2.	Carmel College of Arts, Science & Commerce for Women	Nuvem, Salcete, Goa-403 604	Dr.(Sr) M. Aradhana A.C.	College contact No.: 2790714, 2790190 College Email ID: carmelcollege64@gmail.com Principal's contact No.: 9960917301, 2790959 Principal's Email ID: acaradhana@yahoo.co.uk	Grant-in-aid Programs B.A/B.Sc/B.Com. B.A.in Psychology, History, Political Science, Economics, Konkani, English B.Sc. in Biotechnology, Electronics, Chemistry, Botany, Zoology, Physics Self-financed Programs M.A.(Counselling Psychology), M. Com. M.Sc. Food Technology
3.	Ponda Education Society's Ravi S. Naik College of Arts & Science	P.O.Box No.3, Farmagudi, Ponda, Goa-403 401	Dr. Vikas J. Pissurlekar	College contact No.: 2335171, 2335296 College Email ID: pessrsncol@gmail.com Principal's contact No.: 2335171 Principal's Email ID: pessrsncol@gmail.com	Grant-in-aid Programs B.A./B.Sc. B.A. in Economics(3 & 6 units), Political Science(3 & 6 units), Philosophy (3 units), Psychology(3 units), Hindi (3 units), Marathi(3 & 6 units), Konkani(3 & 6 units), History (3 & 6 units) B. Sc. in Physics(3 & 6 units), Chemistry (3 & 6 units), Mathematics (3 & 6 units) Botany(6 units), Zoology(6 units), Industrial Chemistry(3 units), Microbiology (6 units) Self-financed programs M.Sc. Organic Chemistry
4.	St. Xaviers College of Arts, Science & Commerce	P.O. Box No. 32, Mapusa, Bardez, Goa-403507	Fr.(Dr.) Jeronimo D'Silva	College contact No.: 2262356(Fax), 2263031, 2250705 College Email ID: xavierscollege1963@gmail.com Principal's contact No.: 9822152294 Principal's Email ID: xavierscollege1963@gmail.com	Grant-in-aid Programs B.A /B.Sc. /B.Com Self-financed Programs B.A. (Mass Communication)/ B.A. (Journalism)/ B.Sc. Biotechnology B.C.A./ B.B.A./ B.B.A.(Travel & Tourism/ M.Com/ M.A.(Psychology)/ M.Sc. Physical Chemistry

5.	Dnyanprassarak Mandal's College and Research Centre	Assagao, Bardez-Goa-403 507.	Dr. D.B. Arolkar	College contact No.: 2268488, 2268683 College Email ID: info@dmscollege.ac.in Principal's contact No.: 2268683, 9422393340 Principal's Email ID: dbarolkar@rediffmail.com	Grant-in-aid Programs B.A. in English/ Economy/ History (3 units) B. Sc in Chemistry/ Electronics/ Computer Science (6 units) B.Com Self-financed Programs B.B.A/ B.C.A/ M. Com/ M.Sc.(Pharmaceutical Chemistry), M.Sc. Organic Chemistry, M.A. English Research Centre Commerce Chemistry
6.	Govt. of Goa, Government College of Arts, Science & Commerce	Near Govt. Hospital, Gokulwadi, Sanquelim, Goa-403505.	Dr. Gervasio S.F.L. Mendes	College contact No.: 2364271, (Fax) 2421734 College Email ID: gcascs@gmail.com Principal's contact No.: 9421094271 Principal's Email ID: gervasiomendes@rediffmail.com	Grant-in-aid Programs B.A./B.Sc./B.Com B.A. – English, Marathi, Konkani, Hindi, History, Geography, Political Science, Economics B.Sc. – Chemistry/ Computer Science, Zoology/ Physics/ Botany/ Geology/ Mathematics
7.	Govt. of Goa, Government College of Arts, Science & Commerce	Xeldem, Quepem, Goa – 403705.	Dr. Joydeep Bhattacharjee	College contact No.: 2662342, 2664239 College Email ID: gcasq@rediffmail.com Principal's contact No.: 2662342 Principal's Email ID: joydeep2@gmail.com	Grant-in-aid Programs B.A./B.Sc./B.Com./M.Com B.A. in Hindi, Konkani, Marathi, Political Science B.Sc. in Chemistry, Physics, Computer Science, Zoology, Botany, Mathematics
8.	Govt. of Goa Government College of Arts, Science & Commerce	Khandola, Marcela, Goa-403 107.	Dr. Purnakala V. Samant	College contact No.: 2287718 College Email ID: gcasck@rediffmail.com Principal's contact No.: 2288369 Principal's Email ID: samantpurnakala@gmail.com	Grant-in-aid Programs B.A./B.Sc./B.Com. B.Sc. in Chemistry, Microbiology, Computer Science, Mathematics B.A. in Geography, Hindi, Economics M.Sc. Chemistry/ M.A. Geography/ M.Com
9.	St. Joseph Vaz College	Church Street, Cortalim, Goa 403 710	Dr. (Fr) Walter de Sa	College contact No.: 2550812, 2550814 College Email ID: goasjvc@gmail.com Principal's contact No.: 2550812, 2550814 Principal's Email ID: prin.sjvc@unigoa.ac.in	Grant-in-aid Programs B.Sc.
10.	Goa Salesian Society's Don Bosco College	M.G. Road, Near Municipal Market, Altinho, Panaji, Goa-403 001	Mr. Cedric Silveira	College contact No.: 6644321 College Email ID: donboscoGOA@rediffmail.com Principal's contact No.: 9823756005 Principal's Email ID: cedricsilveira@yahoo.com	Self-financed Programs B.C.A/ B.B.A./B.B.A. (T&T)/ B.S.W/ Bachelor of Physical Education(B.P. Ed) B.A. Mass Communication/ Master of Social Work(M.S.W.)
11.	Zantye Brothers Educational Foundation's Narayan Zantye College of Commerce	Industrial Estate, Vathadev, Sarvan, Bicholim, Goa-403 529.	Shri Rajesh Amonkar (Offg. Principal)	College contact No.: 2361377, 2363769 College Email ID: zantyeedu@rediffmail.com Principal's contact No.: 98236187272	Grant-in-aid Programs B.Com. Self-financed Program M.Com Research Centre Commerce

				Principal's Email ID: asmnad3@rediffmail.com, principalnzcc@gmail.com	
12.	Murgaon Education Society's College of Arts & Commerce	Zuarinagar, Goa-403726	Dr. R.B. Patil	College contact No.: 2555772, (fax) 2556010 College Email ID: mescollege1@gmail.com, mescollege1@rediffmail.com Principal's contact No.: 2555772, 9921346559 Principal's Email ID: revagoudap@rediffmail.com	Grant-in-aid Programs B.A./B.Com/ Self-financed Program B.C.A./ B.B.A./ B.B.A.- Shipping & Logistics/ M.Com Research Centre Economics Sociology
13.	Sant Sohirobanath Ambiyee Govt. College of Arts & Commerce	Virnoda, Pernem, Goa-403512	Principal	College contact No.: 2201210, (Fax) 2201762 College Email ID: gcacpg@yahoo.co.in Principal's contact No.: 2201210 Principal's Email ID: gcacpg@yahoo.co.in	Grant-in-aid Programs B.A./B.Com.
14.	Diocesan Society of Education's Rosary College of Commerce & Arts	Navelim, Salcete, Goa-403707	Rev. Dr. Simao R. Diniz	College contact No.: 2701564 College Email ID: rosarycollege.1990@gmail.com Principal's contact No.: 2736864, 9822124121 Principal's Email ID: frsimon.diniz@gmail.com	Grant-in-aid Programs B.Com./B.A. Self-financed Programs B.C.A./ B.B.A./ B.B.A.(Travel & Tourism/ M. Com.
15.	Fr. Agnel College of Arts & Commerce	Pilar, Goa-403203	Fr. Fredrick Rodrigues (Offg.)	College contact No.: 2218673, 2219833 College Email ID: fragnelcol@rediffmail.com contactus@fragnelcollege.edu.in Principal's contact No.: 2219833, 9822177441 Principal's Email ID: fredrod1964@gmail.com	Grant-in-aid Programs B.Com./B.A. Self-financed Program B.C.A. Research Centre Commerce
16.	Cuncolim Educational Society's College of Arts & Commerce	'Shri Pio F. Lawrence Complex' Cuncolim, Salcete, Goa-403703	Dr. Savita S. Nadkarni (Offg.)	College contact No.: 2865210(Phone & Fax) College Email ID: cescac21@yahoo.co.in Principal's contact No.: 2865210, 9881662304 Principal's Email ID: savitanadkarni1@gmail.com	Grant-in-aid Programs B.A./B.Com.
17.	Dnyan Prabodhini Mandal's Shree Mallikarjun College of Arts & Commerce	Delem, Canacona, Goa-403702	Dr. F.M. Nadaf	College contact No.: 2633433, 2633422 College Email ID: shreemallikarjuncollege@gmail.com Principal's contact No.: 9765459914 Principal's Email ID: fmnadaf@rediffmail.com	Grant-in-aid Programs B.A./B.Com.
18.	Dempo Charities Trust's S.S. Dempo College of Commerce & Economics	Cujira Integrated Educational Complex, Opp. Goa Medical College, Cujira, St. Cruz, Ilhas, Goa – 403 005	Dr. Radhika S. Nayak	College contact No.: 2976646, (Fax) 2976648 College Email ID: office@dempocollege.edu.in Principal's contact No.: 9422439876, 2976647	Grant-in-aid Program B.Com Self-financed Programs BBA/ M.Com / M.A. Tourism & Heritage Management/ PGDBA –Event Management/

				Principal's Email ID: principal@dempocollege.edu.in	Integrated M.Com (IMCOM)
19.	Vidya Vikas Mandal's Shree Damodar College of Commerce & Economics	Shree Damodar Educational Campus, G.R. Kare Road, Tansor, Comba, Margao, Goa-403 601	Dr. Prita Mallya	College contact No.: 2714224, (Fax) 2732084 College Email ID: principal.sdcc@vvm.edu.in Principal's contact No.: 0832-2730924, 9822103611 Principal's Email ID: prita.mallya@vvm.edu.in	Grant-in-aid Program B.Com. Self-financed Programs B.C.A./ B.B.A.(FS)/ M.Com/ Research Centre Commerce Management Economics
20.	Goa Vidyaprsarak Mandal's Gopal Govind Poy Raiturcar College of Commerce and Economics	Post Box No. 102, Farmagudi, Ponda, Goa-403401	Shri. Pravin M. Bhende	College contact No.: 0832-2335868, 2335875, 2335819 College Email ID: gvmcce@yahoo.in Principal contact No.: 2335875, 9822127625 Principal's Email ID: pmbhende@gmail.com	Grant-in-aid Program B.Com Self-financed Programs B.C.A./ M.Com
21.	Saraswat Vidyalaya's Sridora Caculo College of Commerce & Management Studies	Telang Nagar Khorlim, Mapusa, Goa-403 507	Dr. Santosh B. Patkar	College contact No.: 2254478, (Fax) 2250208 College Email ID: caculocollege@gmail.com Principal contact No.: 2250042, 9421157379 Principal's Email ID: patkar_santosh@rediffmail.com	Grant-in-aid Program B.Com Self-financed Programs BBA/BCA
22.	Vrundavan Institute of Nursing Education	Near Binani Glass Fibre Pvt. Ltd., Mushir Wado, Colvale, Bardez-Goa-403 513.	Prof. S. Rajeswari	College contact No.: 7448202838, 9225988570 College Email ID: vinegoa@yahoo.co.in Principal's contact No.: 7448202838, 9225988570 Principal's Email ID: rajiawanthika@gmail.com	Self-financed Program B.Sc. Nursing
23.	Institute of Nursing Education	Bambolim, Goa-403202	Mrs. Carol Noronha	College contact No.: 0832-2458191, 2459727 College Email ID: principal-ine.goa@nic.in Principal's contact No.: 0832-2459727 Principal's Email ID: principal-ine.goa@nic.in	Grant-in-aid Programs B.Sc. Nursing (4 years) M.Sc. Nursing (2 years)
24.	Shivgram Education Society's Shri Kamaxidevi Homoeopathic Medical College & Hospital	'Shiv Shail', Karai, Shiroda, Goa 403 103.	Dr. S.D. Naik	College contact No.: 2306842, 2307441, 2307442 College Email ID: skhmchgoa98@gmail.com Principal's contact No.: 9764264600 Principal's Email ID: drsadnaik01@gmail.com	Self-financed Program Bachelor in Homoeopathic Medicine & Surgery (B.H.M.S)
25.	Bharateeya Sanskriti Prabodhini's Gomantak Ayurveda Mahavidyalaya & Research Centre	Vazem, Shiroda, Goa-403 103.	Dr. Anura Bale	College contact No.: 2306309, (Fax) 2307394 College Email ID: ayurgoa@rediffmail.com Principal's contact No.: 9822589751 Principal's Email ID: baleanura@rediffmail.com	Self-financed Program Bachelor of Ayurvedic Medicine & Surgery (B.A.M.S)

26.	Devi Sharvani Education Society's V.M. Salgaocar College of Law	Caranzalem, Panaji, Goa-403 001.	Dr. M.R.K. Prasad	College contact No.: 2462225 College Email ID: vmscl@rediffmail.com Principal's contact No.: 2461809, 7350198881 Principal's Email ID: prasadmandav@gmail.com	Grant-in-aid Programs B.A. LL.B. Self Financed Programs LL.B./ LL. M. Research Centre Law
27.	Vidya Vikas Mandal's Govind Ramnath Kare College of Law	Shree Damodar Educational Complex, P.O. BoX No. 777, G.R. Kare Road, Tansor, Comba, Margao, Goa-403601	Dr. Saba V.M. Da Silva	College contact No.: 2715510, 2732661 College Email ID: officergrklaw@vvm.edu.in Principal's contact No.: 9422450890, 8275540890 Principal's Email ID: principal.grkcl@vvm.edu.in	Grant in aid programs B.A. LL.B. / Self-financed programs LL.B./ LL.M. Research Centre Law
28.	National Institute of Hydrography	C/o Headquarters, Goa Naval Area, Vasco-da-Gama, Goa-403802	Capt. T.P.Mahato (Officer-In-Charge)	College contact No.: 2582800, 2582808 Fax - 2513419 College Email ID: info-nih.goa@nic.in	Grant-in-aid Programs Post Graduate Certificate in Hydrography Post Graduate Diploma in Hydrography M.Sc. Hydrography
29.	Govt. of Goa Goa College of Music	Dr.T.B. Cunha Educational Complex, Altinho, Panaji, Goa-403 001	Dr. Shashank S. Maktedar (Offg. Principal)	College contact No.: 2232507, (Fax) 2432528 College Email ID: goacollegeofmusic@gmail.com Principal's contact No.: 2232507 Principal's Email ID: smaktedar@gmail.com	Grant-in-aid Programs BPA MPA (Vocal & Instrumental) MPA (Tabla)
30.	Govt. of Goa, Goa College of Art	Altinho, Panaji, Goa-403 001	Shri. Mahesh V. Vengurlekar	College contact No.: 2226104, (Fax) 2242607 College Email ID: goacollegeofart@gmail.com Principal's contact No.: 2226104, Principal's Email ID: mv.vengurlekar@gmail.com	Grant-in-aid Programs B.F.A.-Applied Art B.F.A.-Painting
31.	Institute of Psychiatry & Human Behaviour	Opp. Shrine of Holy Cross, Bambolim, Goa-403 202.	Dr. Pradeep G. Naik (Dean-in-Charge)	College contact No.: 2458687 College Email ID: dir-iphb.goa@nic.in Principal's contact No.: 2458687 Principal's Email ID: dr.naik.p@gmail.com	Grant-in-aid Programs M.D. in Psychiatry Diploma in Psychological Medicine
32.	Govt. of Goa, Goa College of Architecture	Dr.T.B. Cunha Educational Complex, Altinho, Panaji, Goa-403001	Prof.(Dr.) Ashish K. Rege	College contact No.: 2436435 College Email ID: gca.archoffice@gmail.com Principal's contact No.: 2227144, 9822486810 Principal's Email ID: prin.architecture@unigoa.ac.in	Grant-in-aid Program Bachelor of Architecture (B. Arch)
33.	Govt. of Goa, Goa College of Home Science	Dayanand Bandodkar Road, Campal, Panaji,	Dr. Mahesh Pai (Offg. Principal)	College contact No.: 2227603 College Email ID:	Grant-in-aid Programs B.Sc. Home Science (Honours)

		Goa-403001		principalgchs@rediffmail.com Principal's contact No.: 2227603, 9822121176 Principal's Email ID: drmaheshpai@gmail.com	
34.	Ponda Education Society's Rajaram & Tarabai Bandekar College of Pharmacy	Farmagudi, Ponda, Goa-403401	Dr. S.N. Mamle Desai	College contact No.: 2335162 College Email ID: principalrtbcop@gmail.com Principal contact No: 2335162, Principal's Email ID: smamledesai@rediffmail.com	Self-financed Programs B. Pharm M. Pharm
35.	Govt. of Goa, Goa College of Pharmacy	18 th June Road, Panaji, Goa-403 001	Dr. Gopalkrishna Rao	College contact No.: 2226882 College Email ID: principal.gcp.goa@nic.in, gcpprincipal@yahoo.com Principal contact No: 2226883, 9158055530 Principal's Email ID: gkfadnis@gmail.com	Grant-in-aid Programs B.Pharm , M.Pharm Quality Assurance Pharmacology Pharmacognosy Diploma in Pharmacy Research Centre Pharmacy
36.	Govt. of Goa, Goa Dental College & Hospital	Bambolim, Goa-403202	Dr. Ida de Noronha de Ataide DEAN	College Contact No.: 2459812, 13, 14, 15, (Fax)2459816 College Email ID: idanataide@yahoo.com Principal Contact No.: 2459815, 9822489755 Principal Email ID: dean-gdch.goa@nic.in	Grant-in-aid Programs Bachelor of Dental Surgery (B.D.S.) Masters of Dental Surgery (M.D.S)
37.	Shree Rayeshwar Institute of Engineering & Information Technology	'Shiv Shail' Karai, Shiroda, Goa-403 103.	Prof. (Dr.) Surendra Rahamatkar	College Contact No.: 2307032, 2307001, Principal Contact No.: 2307431, Principal Email ID: principal.ritgoa@gmail.com principal@ritgoa.ac.in	Self-financed Programs 1. B.E. Electronics & Telecommunications Engineering (ETC) 2. B.E. Computer Engineering 3. B.E. Information Technology
38.	Padre Conceicao College of Engineering	Agnel Technical Education Complex, Agnel Ashram, Agnel Ganv, Verna, Goa-403 722.	Dr. Mahesh Parappagoudar	College contact No.: 0832-2791266, 2791267 (Fax) 2791268 College Email ID: agnelpcce@gmail.com Principal contact No: 2791267, 9823705395 Principal's Email ID: principal@pccgoa.org	Self-financed Programs 1. B.E. Electronics & Telecommunications Engineering (ETC) 2. B.E. Computer Engineering 3. B.E. Information Technology 4. B.E. Mechanical Engineering 5. M.E. Information Technology
39.	Govt. of Goa, Goa College of Engineering	"Bhauasaheb Bandodkar Technical Education Complex", Farmagudi, Ponda, Goa-403401	Dr. Vinayak N. Shet	College contact No.: 2336301, 2336303, 2336302 College Email ID: acad@gec.ac.in Principal contact No: 2336301, 2336303, 2336302 Principal's Email ID: ppl@gec.ac.in	Under Graduate Programs 1. B.E. Civil Engineering 2. B.E. Electrical & Electronics Engineering 3. B.E. Mechanical Engineering 4. B.E. Electronics & Telecommunication Engineering 5. B.E. Computer Engineering 6. B.E. Information Technology 7. B.E. Mining Engineering Post Graduate Programs 1. M.E. Foundation

					<p>Engineering</p> <ol style="list-style-type: none"> 2. M.E. Industrial Engineering 3. M.E. (ETC) Micro Electronics Engineering 4. M.E.(ETC) Electronics Communication & Instrumentation 5. M.E. Power & Energy Engineering 6. M.E. Computer Science & Engineering 7. M.E. Industrial Automation & Radio Frequency Engineering 8. M.E. Structural Engineering 9. M.E. Information Technology & Engineering <p><u>Ph.D. Research Centre</u></p> <ol style="list-style-type: none"> 1. Electronics & Telecommunications Engineering 2. Electrical & Electronics Engineering 3. Mechanical Engineering 4. Computer Science and Engineering 5. Civil Engineering
40.	Don Bosco College of Engineering	Fatorda, Margao Goa-403602	Dr. Neena P. Panandikar	<p><u>College contact No.:</u> 2741045, 2743944, (Fax)2742648 <u>College Email ID:</u> dbcefatorda@dbcegoa.ac.in <u>Principal contact No:</u> 2741045, 2743944 <u>Principal's Email ID:</u> principal@dbcegoa.ac.in</p>	<p><u>Self-financed Programs</u></p> <ol style="list-style-type: none"> 1. B.E. Mechanical Engineering 2. B.E. Civil Engineering 3. B.E. Electronic & Telecommunication 4. B.E. Computer Engineering
41.	Agnel Institute of Technology & Design	Agnel Technical Education Complex, Assagao, Bardez Goa-403507	Dr. V. Mariappan	<p><u>College contact No.:</u> 2268642, (Fax) 2268642 <u>College Email ID:</u> aitdgoa@gmail.com <u>Principal contact No:</u> 9975540649 <u>Principal's Email ID:</u> vm@aitdgoa.edu.com</p>	<p><u>Self-financed Programs</u></p> <ol style="list-style-type: none"> 1. B.E. Mechanical Engineering 2. B.E. Computer Engineering 3. B.E. Electronics & Communication Engineering(ECE)
42.	Govt. of Goa Goa Medical College & Hospital	Bambolim, Goa-403202.	Dr. Pradeep G. Naik Dean	<p><u>College contact No.:</u> 2458727 <u>College Email ID:</u> dean-gmc.goa@nic.in <u>Principal contact No:</u> 2458728 <u>Principal's Email ID:</u> dr.naik.p@gmail.com</p>	<p><u>Grant-in-aid Programs</u></p> <ol style="list-style-type: none"> 1. M.B.B.S. 2. <u>Doctor of Medicine(M.D.)</u> <ol style="list-style-type: none"> a. Physiology b. Biochemistry c. Pharmacology d. Pathology e. Microbiology f. Forensic Medicine g. Preventive & Social Medicine h. General Medicine i. Obstetrics & Gynaecology j. Paediatrics k. Psychiatry l. Anaesthesiology m. Radiodiagnosis n. Skin & VD o. Pulmonary Medicine 3. <u>Master of Surgery (M.S.)</u>

					<ul style="list-style-type: none"> a. Anatomy b. General Surgery c. Oto Rhino Laryngology d. Ophthalmology e. Orthopaedics 4. <u>Master of Chirurgie</u> M.Ch. Neurosurgery 5. <u>Diploma</u> <ul style="list-style-type: none"> a. Anaesthesiology(D.A) b. Forensic Medicine (D.F.M) c. Public Health (D.P.M.) d. Child Health (D.C.H) e. Obstetrics & Gynaecology (D.G.O) f. Medical Radiodiagnosis (D.M.R.D) g. Psychological Medicine (D.P.M.) h. Skin & VD (DVD) 6. <u>Under Graduate Programs</u> <ul style="list-style-type: none"> a. Bachelor in Physiotherapy (B.P.T.) b. Bachelor of Optometry (B.Opt) c. Bachelor of Occupational Therapy (B.O.T) d. B.Sc. in Medical Imaging Technology (B.Sc. M.I.T.) e. B.Sc. in Anaesthesia Technology (B.Sc. A.T.)
43.	Ponda Education Society's College of Education	Ponda Panjim Highway, Farmagudi, Ponda Goa-403401	Dr. Geeta Mahadevan Iyer	<u>College contact No.:</u> 2335016, (Fax) 2335020 <u>College Email ID:</u> princi_pescoe@yahoo.in <u>Principal's contact No:</u> 9970820138 <u>Principal's Email ID:</u> iyermgeeta@yahoo.co.in	<u>Self-financed Program</u> Bachelor of Education (B.Ed)
44.	Nirmala Institute of Education	Altinho, Panaji, Goa-403 001.	Dr. Delia Antao	<u>College contact No.:</u> 2225633, 2420186 <u>College Email ID:</u> niegoa@gmail.com <u>Principal contact No:</u> 2225633 <u>Principal's Email ID:</u> deliantao@gmai.com	<u>Grant-in-aid Programs</u> B.Ed./ B. Ed. (Special Education) <u>Self-financed Programs</u> Post Graduate Diploma in Guidance & Counselling. M.A. Wellness Counselling.
45.	Goa Vidyaprasarak Mandal's Dr. Dada Vaidya College of Education	Post Box No.139, Farmagudi,Ponda, Goa-403 401.	Dr. Allan Abreo	<u>College contact No.:</u> 2335880 <u>College Email ID:</u> gvm.educol@gmail.com <u>Principal contact No:</u> 2335089, 9422058395 <u>Principal's Email ID:</u> allancora@gmail.com	<u>Grant-in-aid Program</u> Bachelor of Education (B.Ed) Diploma in Pre-Primary Teachers Training (Community College) <u>Research Centre</u> Education
46.	Govt. of Goa, Government College of Commerce	Borda, Margao, Goa-403 602.	Ms. Maria Fatima De Souza (Offg. Principal)	<u>College contact No.:</u> 2700555 <u>College Email ID:</u> gcc.margao@gmail.com <u>Principal contact No:</u> 2700555, 9421151795 <u>Principal's Email ID:</u>	<u>Grant-in-aid Program</u> B.Com.

				mariafatima0411@gmail.com	
47.	Goa College of Hospitality and Culinary Education	Cidade-de-Goa, Vainguinim Beach Goa-403 004.	Mrs. Zarine Lobo (Offg. Principal)	College contact No.: 2454560, 2454561 College Email ID: goahospitalitycollege@cidadegoa.com Principal contact No: 2454560, 2454561 Principal's Email ID: principal_ghc@cidadegoa.com	Self-financed Program BBA - Hospitality & Culinary Management
48.	Vidya Prabodhini College of Commerce, Education, Computer and Management	Vidya Nagar, Parvari,Goa-403521	Dr. M.R. Patil	College contact No.: 0832-2410500, 2413600 College Email ID: vidyaprabodhinigoa@gmail.com Principal contact No: 2413600, Principal's Email ID: drmrpatil1960@gmail.com	Grant-in-aid Program B.Com./ B.A.B.Ed.
49.	Vikas Parishad Mandre Mandre College of Commerce, Economics & Management	Dev Mandrekar Nagar, Mandre, Pernem, Goa-403527.	Shri Narayan J. Naik (Administrative Incharge)	College contact No.: 2247269, 9423837316, 9422395963 College Email ID: mandrecollege@yahoo.co.in	Grant-in-aid Program B.Com
50.	Swami Vivekanand Vidyaprasarak Mandal's College of Commerce	Shirshirem, Borim Ponda, Goa-403 401	Shri Shekhar Sawant (Offg. Principal)	College contact No.: 2333029 College Email ID: svvmcollege@yahoo.com Principal contact No: 9423309154 Principal's Email ID: sawant.shekhar@gmail.com	Grant-in-aid Program B.Com,
51.	Sateri Pisani Education Society's Gopal Gaonkar Memorial Goa Multi-Faculty College	NH-4A, Ponda-Belgaum Road, Dayanand Nagar, Dharbandora, Goa – 403 406.	Dr. Manasvi M. Kamat (Offg. Principal)	College contact No.: 7768006580 College Email ID: gmfcgoa2013@gmail.com Principal contact No: 9422415052 Principal's Email ID: manasvikamat@gmail.com	Grant-in-aid Programs B.Com. B.B.A. B.C.A.
52.	V.M. Salgaocar Institute of International Hospitality Education	Manora, Raia, Salcete, Goa-403720	Prof. Irfan S. Mirza (Director)	College contact No.: 6623000, (Fax) 6623111 College Email ID: info@vmsiihe.edu.in Director's contact No: 6623210, 7720023201 Director's Email ID: irfan.mirza@vmsiihe.edu.in	Self-financed Program B.Sc. International Hospitality Management
53.	Ganapat Parsekar College of Education	Harmal, Goa-403524		College contact No.: 2242939 College Email ID: hpsm1967@gmail.com Director's contact No: 2242939 Director's Email ID: hpsm1967@gmail.com	Grant-in-Aid Program B.A.B.Ed.
54.	Don Bosco College of Agriculture	Don Bosco Agro-Ed Complex, Sulcorna, Pirla, via Quepem, Goa – 403 705	Shri Satish Raosaheb Patil (Officiating Principal)	College contact No.: 2602632 College Email ID: dbcaoffice2015@gmail.com	Grant-in-aid Program B.Sc. Agriculture

				Principal's contact No: 9421414268 Director's Email ID: dbcaprincipal@gmail.com	
55.	Ramanata Crisna Pai Raikar School of Agriculture	Madhala Wada, Savoi Verem, Ponda-403 401.	Shri Shrirang Jambhale	College contact No.: 2340077 College Email ID: rcpragrischool@gmail.com Principal's contact No: 7588920490, 9673751125 Principal's Email ID: rsaawni@gmail.com, rangjambhala@gmail.com	Diploma in Agriculture Advanced Diploma in Agriculture
56.	Swami Brahmanand Mahavidyalaya	Tapobhoomi, Kundaim, Ponda, Goa – 403115	V.M. Harishchandra Gawas	College contact No.: 9130066362, 7507771561, 7507771750 College Email ID: sbrahmaavid.goa@gmail.com Principal's contact No: 9130066362, 7507771561, 7507771750 Principal's Email ID: sbrahmaavid.goa@gmail.com	Grant-in-aid Program B.A. Honours in Sanskrit

LIST OF RECOGNISED INSTITUTIONS

Sr. No.	Name of the Institution and Address	Head of the Institute
1.	National Institute of Oceanography (NIO), Dona Paula, Goa – 403 004.	Dr. Sunil Kumar Singh Director Contact: 2450450/ 2456700 Email: ocean@nio.org
2.	Directorate of Archives & Archaeology, Govt. of Goa, Panaji, Goa-403 001.	Shri M.L. Dicholkar, Director Contact: 2226692/ 2435321
3.	Xavier Centre of Historical Research (XCHR), B.Borkar Road, Alto Porvorim, Bardez, Goa – 403521.	Dr. Savio Abreu, Director, Contact: 2417772/ 2414971 E-mail: info@xchr.in
4.	National Institute of Malaria Research, Directorate of Health Services Bldg., Campal, Panaji, Goa – 403001.	Dr. Ashwani Kumar, (Officer-in-Charge) Contact: 0832-2222444, 2222440 E-mail: ashwani07@gmail.com, nimrfugoa@gmail.com
5.	National Centre for Antarctic & Ocean Research (NCAOR) Headland Sada, Vasco da Gama, Goa-403804	Dr. M. Ravichandran Director, Contact: 2520876/ 2525511 E-mail: director@ncaor.gov.in, info@ncaor.gov.in
6.	Thomas Stephens Konknni Kendr, (TSKK) B.B. Borkar Road, Alto Porvorim, Goa – 403 521.	Fr. Apolinario Cardozo S.J., Director, Contact: 2415857/ 2415864 E-mail: tskkgoa@gmail.com
7.	Fishery Survey of India (FSI), Govt. of India, Fishery Survey of India, Opp. Microwave Tower, Bogda Road, Mormugao, Goa-403803	Shri S.K. Jaiswal, Contact: 2520248/ 2520957 E-mail: fsmormugaobase@gmail.com
8.	Syngenta Biosciences Pvt. Ltd., Research & Technology Centre, Santa Monica Works, Corlim, Ilhas, Goa – 403 110	Dr. Bhanu Manjunath Director, Contact: 2490500/ 2490524 E-mail: bhanu.manjanath@syngenta.com, sitaram.pal@syngenta.com
9.	ICAR-Central Coastal Agricultural Research Institute, Ela, Old Goa – 403 402.	Dr. Eaknath B. Chakurkar (Acting), Director, Contact: 2284677/ 78/ 79 E-mail: director.ccari@icar.gov.in

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INNOVATIVE PROJECTS/PROGRAMMES

(a) Distance Education, Information and Training Infrastructure (DEITI).

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): Shri Ramrao Wagh, ramrao@unigoa.ac.in
8669609189

(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.

Co-ordinators:

Somayaji G. Department of Sociology, ganesh@unigoa.ac.in 8669609153

Tripathi R. Department of Political Science, rmt@unigoa.ac.in 8669609149

(c) Online Distance Learning Programs (UNIGIS Unit)

Goa University, in collaboration with University of Salzburg, (Centre for Geoinformatics (Z_GIS) Austria, offers UNIGIS Online (Internet based) Distance Learning Programmes (M.Sc. & Professional Diploma) in Geographic Information Systems & Science. The Programmes are open to students from India and foreign countries. The design and delivery of these Online Programmes conform to the standards of the UNIGIS International.

For more information visit website www.unigis.net/goa; Office: goauniversity@unigis.net

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 neighbouring 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.

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.

Library website

The library website is available under the url <http://library.unigoa.ac.in>. 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 <http://jccc-ugcinfonet.in/> available for searching the e-resources.

Library catalogue

The Library has presently 1,55,483, 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 <http://libcat.unigoa.ac.in/>. Students and faculty can check the availability of books, reserve books and check the renewal dates through the interface available globally.

Electronic Theses and Dissertations

The Goa University has already started submitting PhD theses in digital format to the National ETD Project "Sodhganga" which is available under the url <http://shodhganga.inflibnet.ac.in/handle/10603/6586> We have also scanned uploaded the theses in the Sodhganga project of the UGC..

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. The entire library building is also Wi-Fi enabled.

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: Gopakumar, V. Librarian, librarian@unigoa.ac.in 8669609012

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

Earth Science and Technology Cell (ESTC) in the field of Marine Microbiology was established at Goa University in January, 1998 with the support of Department 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 – HUMAN RESOURCE DEVELOPMENT CENTRE (UGC-HRDC)

This College has been functioning at the University campus since 1988 and is providing the required Orientation, Refresher and other Programmes for the Teaching Faculty at PG Departments and affiliated Colleges/Institutes of Goa University and other Universities in the country. Being one among 57 similar colleges set up and funded by the UGC in different Universities, this College has played a major role in the training of University/College teachers in a commendable way. With the establishment of the Computer Lab provided with special funds from UGC, the activities of the College have been further focused to include Internet/specialized subject-specific software as an integral part of Orientation/Refresher programmes.

In-charge Director: Pai, I. K. Department of Zoology, ikpai@unigoa.ac.in, 8669609260

(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. Recently, 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 use Departments 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 equipments for Language 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 Furnances, Milling Machine, Lathe Machine, Drilling Machine etc.

Technical Officer-I : Lanjewar, M.G.

Coordinator: Pai, R. V. Department of Physics. rvpai@unigoa.ac.in 8669609209

(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 Department of Marine Sciences for which the laboratory has been used extensively.

Co-Ordinator: Menon H. B. Department of Marine Sciences, hbmenon@unigoa.ac.in, 8669609233

(f) COMPUTER CENTRE, CAMPUS NETWORK AND INTERNET FACILITY

Goa University has got a very strong IT infrastructure in the campus to meet the challenges of advancement of information technology. All administrative sections and academic departments on the campus are connected through the campus wide network, which is on fibre optic backbone. The Twenty four hours unlimited internet access is also available on the campus network. The University has recently established 2 Mbps Internet bandwidth in addition to its 512 kbps SCPC VSAT connectivity. This internet facility is extensively used by the teachers, researchers and students for their academic activities. Besides, there is a fully equipped UGC sponsored Internet Centre, which is mainly used by the students, who do not have Departmental facility to access the Internet services.

Wireless Network System

The University has also established the wireless network on the campus which has provided the Internet access facility to the hostels, guest house and the staff quarters.

The University has Central Computing facilities at its Computer Centre. The Computer Centre extends required assistance to the teachers, students and Research Scholars in Computer related activities. Several DTP jobs, on request, are taken up by the Computer Centre. Good quality laser printing facility,

black or colour, is available in the Computer Centre at nominal charges. The primary job of Computer Centre, however, is computerization of various activities of Administration, Finance, Academics and Examinations. The Computer Centre is also responsible for smooth maintenance of University network and Internet services.

Contact Person: Chakraborty, M. Head of Computer Centre, hocc@unigoa.ac.in, 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.

(j) CAREER COUNSELLING & PLACEMENT CELL

Goa University has established a Career Counselling & 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 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.

(k) NATIONAL SERVICE SCHEME (NSS)

There are 119 NSS Units in 33 Colleges affiliated to Goa University and one Self finance NSS Unit of Ramanata Crisna Pai Raikar School of Agriculture Community College, Savai- Verem. In total there are 34 Colleges having NSS units.

These units have carried out several activities such as organising Disaster Management training programmes, Self Defense Training for Girls, School Dropout Survey conducted, Road Safety Campaign/ Camp, Yoga Training /Demonstration, assistance in Pulse Polio Immunization programme, organising Eye check-up camps, Health Camps/Dental Camps, Rallies, Street Plays, Door-to-door Campaigns under Swachh Bharat, Swachh Bharat Pakhwada, Cleaning of school and college, Cleaning of hospital / PHCs, Cleaning of Offices complexes, toilets and garbage of District & zonal Office, Cleanliness drive to clean street and common places, Farmer Centric/ Agriculture based activity like organic farming any demonstration /training, Programmes on Conservation of water/ Water Harvesting/ Watershed development, Skill Development Training,

Besides the colleges have Organised 23 seven day residential NSS Special Camps across north and south Goa, Blood donation camps, planting of saplings/trees etc.

Co-Ordinator: Shirodkar, S. K. NSS Programme Co-Ordinator, NSS Cell, Goa University, unigoanss@gmail.com, 8669609067

(l) 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.

Co-Ordinator: Nayak, R. S. Principal, S. S. Dempo College of Commerce and Economics, Cujira, Goa. rsnayak3@gmail.com, 8669609019

(m) STANDING COMMITTEE FOR PREVENTION OF SEXUAL HARASSMENT OF WOMEN AT WORKPLACE

A Standing Committee for prevention of Sexual Harassment of Women at workplace(CPSHW), which includes female students, has been constituted at the University, with members drawn from the teaching faculty, student community, administration and a nominee of GSWC. 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. CPSHW 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.

Chairperson: Kerkar S. Department of Biotechnology. savita@unigoa.ac.in, 8669609243

(n) HOSTEL ACCOMMODATION DETAILS:

A HOSTEL ADMISSION

1. Students who are admitted to the Post Graduate Departments of Goa University shall be given first priority for admissions to the hostels. Research Scholars working in different R&D project of University Departments 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 Department 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 Department 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 efforts 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. students/research scholars, admission to the subsequent year will be on the basis of the satisfactory report of Department research committee forwarded by Head of the Department 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 him/her 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 his/her 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 | Rs. 25=00 |
| | Rent to be paid by PG degree students. | |
| b) | Accommodation fee for two terms | |
| | Master Degree program | Rs. 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) | Rs. 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. | Rs. 1000=00 P.M. |
| d) | Caution Deposit (Hostel Deposit) | Rs. 3,000=00 |
| | (Refundable) | |
| e) | Fine per day for late payment of fees | Rs. 10=00 |
| f) | Fees per day for short duration stay of less than 25 days | |
| | (For Goa University students only) | Rs. 75=00 |
| g) | Special Fees per day for Summer research students | |
| | | Rs. 25=00 |
| | Caution deposit (short stay <25 days) | Rs. NIL |
| | Caution deposit (long stay ≥25 days) | Rs. 3,000=00 |

(Refundable)

- h) Issue of any Certificate Rs. 20=00
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 him/her.
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-robos 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. 2,50,000/-
 - 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 takes 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, he/she 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 'The Goa University Students' Discipline and Conduct Rules 2018' 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.
4. Evening tea/snacks are not included in the Mess charges and the students shall be required to pay 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.
6. Students who are officially required to stay away from the hostel for the purpose of research / 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 Department/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: <https://www.unigoa.ac.in/facilities/hostelmess.html>

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.

Warden, Men's Hostel: Morajkar, P. P. Department of Chemistry, pranay@unigoa.ac.in,
8669609174

Warden, Women's Hostel: Gangopadhay, A. Centre for Latin American Studies,
aganguly@unigoa.ac.in, 8669609297

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(o) DIRECTORATE OF STUDENTS' WELFARE

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.

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 Departments 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.

COUNSELLING SERVICES:

Counselling facility at the University is available to evolve self-awareness/ self-education through embodied somatic transformative practice. This includes:

- How to cultivate self-awareness to recognize debilitating patterns of thought, emotions and action and shift to more healthy and harmonious ways of being
- How to recognize one's strengths, and connect to one's own intuition, insight and innate wisdom.
- How to consider moving out of being a victim of one's story, to moving and shifting the story, and perhaps even coming to be creators of a new story
- Teaching how to be connected to self, environment, education and their lives
- Broadening perception and cognitive abilities through experiential practices
- Facilitating an environment in which they find ease, support and freedom within themselves so that their internal state enables them to transcend their problems, or self-debilitating patterns and habits naturally
- Understanding the importance of process-driven approach, instead of end-gaining
- Empowering individuals to be creative agents of their own change
- Training to recognize where they are and where they want to be Questions one may choose to look into:
 - Is my self-worth defined by my achievements?
 - How do I pursue my goals?

- How do I treat myself, am I kind/ pushy/ self-critical/harsh etc.?
- Are my choices conditioned?
- What state are you in, are you tensed? Anxious? Tired? What is going on inside you?
- Do I have a healthy interest in myself? How do take care of myself?
- How to balance work and rest?
- How to meditate?
- How to be an empathetic and present leader?
- How to be the change you want to see?
- What are the boxes I am restricted by?
- What are the masks I hide behind?
- How to cultivate healthy relationships with myself and others?

Note: Space is open for anyone who wants to grow, to change, to learn how to be self-aware.

Anyone who wants to open up, and learn how to create a holistic and healthy life for themselves. It is normal to want to learn how to help yourself, resolve issues that need to be addressed, heal from difficult experiences. Strict confidentiality will be maintained at all times.

*Meet counselor by appointment (email - pushpanjali@unigoa.ac.in) OR
Walk-in to the office on Monday or Tuesday between 2.30pm-5.30pm*

Counsellor: Sharma, P. pushpanjali@unigoa.ac.in, 9540444709

Directorate of Students Welfare(DSW): Parulekar D. Centre for Latin American Studies

dattesh79@unigoa.ac.in 8669609160

(p) SPORTS

The Sports Section organises 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: Fernandes, M. milton@unigoa.ac.in
8669609018

(q) EXTRA-MURAL STUDIES AND EXTENSION SERVICES (EMS&ES)

The Directorate of Extra-Mural Studies and Extension Services was established on 20th 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: Viegas A. A. A. Department of Earth Science. aviegas@unigoa.ac.in, 8669609195

(r) HEALTH CENTRE

The University has health centre facility located near the Guest House. This is open to all the students as well as Staff (also families) and is open on all working days during 9.30am –1.15pm and 2.00pm-5.45pm.

Sister: Costa Mukherjee, S. 8669609088

(s) GOA UNIVERSITY CONSUMER CO-OPERATIVE SOCIETY LTD., GOA. (GUCCS 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: Sawkar V. L. University Engineer, ue@unigoa.ac.in 8669609016

(t) 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. The Alumni day was celebrated on 14th August 2013 with a cultural evening followed by dinner. Shri Ashank Desai of Mastek India was the chief guest.

Contact Person: Viegas A. A. A., Department of Earth Science, 866909195; **Savita Kerkar,** Department of Biotechnology, 866909243,. Email: alumni@unigoa.ac.in

(u) 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. Goa University is also one of the Centres for the conduct of UGC–NET. 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.

Co-Ordinator: Shirsat. R. N. Department of Chemistry, rshirsat@unigoa.ac.in, 8669609169

(v) 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, S.** 8669609042, 866909081

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 indisciplined 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.-

- (iv) These regulations shall be called the "UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009".
- (v) They shall come into force from the date of their publication in the Official Gazette.
- (vi) They shall apply to all the institutions coming within the definition of an University under sub-section (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 departments, 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 indisciplined 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 indisciplined 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;
 - (vii) any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
 - (viii) exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
 - (ix) any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
 - (x) 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;
 - (xi) 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;
 - (xii) 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 his/her first year of study in such institution.
 - “Institution” means a higher educational institution including, but not limited to an 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:-

- (a) No institution or any part of it thereof, including its elements, including, but not limited to, the departments, 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 Committees and 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 he/she 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 he/she has not been expelled and/or debarred by any institution and further aver that he/she 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 he/she 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 his/her ward has not been expelled and/or debarred by any institution and further aver that his/her 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, his/her 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 his/her 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 his/her parents/guardians in the form prescribed in Annexure I and Annexure II to these Regulations respectively along with his/her 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 departments, 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.

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/departments/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 he/she 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 instil a feeling of confidence among the freshers.

The institution shall set up appropriate committees, including the programme-in-charge, 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 his/her interaction with the freshers under his/her 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 his/her 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 his/her registration shall inform the institution about his/her place of residence while pursuing the course of study, and in case the student has not decided his/her 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 he/she 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 he/she would report promptly any case of ragging which comes to his/her 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.

(c) 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;

- (iii) Abetment to ragging;
- (iv) Criminal conspiracy to rag;
- (v) Unlawful assembly and rioting while ragging;
- (vi) Public nuisance created during ragging;
- (vii) Violation of decency and morals through ragging;
- (viii) Injury to body, causing hurt or grievous hurt;
- (ix) Wrongful restraint;
- (x) Wrongful confinement;
- (xi) Use of criminal force;
- (xii) Assault as well as sexual offences or unnatural offences;
- (xiii) Extortion;
- (xiv) Criminal trespass;
- (xv) Offences against property;
- (xvi) Criminal intimidation;
- (xvii) Attempts to commit any or all of the above mentioned offences against the victim(s);
- (xviii) Threat to commit any or all of the above mentioned offences against the victim(s);
- (xix) Physical or psychological humiliation;
- (xx) 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 his/her 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 non compliance 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;

(vi) Withdrawal of affiliation/recognition or other privileges conferred.

(vii) 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.

(a) Withholding grants allocated to it by the university, if any

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

(c) 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 faculty 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 departmental disciplinary action, in accordance with the prescribed procedure of the institution, against such member of the faculty 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 departmental 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 or 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.

(Dr. R. K. Chauhan)
Secretary

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

www.antiragging.in/upload/Infopack/AntiRagging_How%20To%20Fill%20Affidavit.pdf

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.antiragging.in/upload/Infopack/Notarising_an_Affidavit.pdf.

The entire information may be accessed at www.antiragging.in/site/Infopack.aspx. Students and Parents may file online affidavits and submit a signed copy to the Department concerned.

(This Affidavit can be submitted online at

(www.antiragging.in/upload/Infopack/AntiRagging_How%20To%20Fill%20Affidavit.pdf)

Signed printouts must be submitted to the concerned Department).

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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 Departments/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 Department 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 a Department 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 Faculties and Heads of teaching Departments in the University shall have the authority to exercise all such disciplinary powers over the students in their respective colleges, institutions Special Centers, Faculties and teaching Departments in the University as may be necessary for proper conduct of such colleges, institutions, special centers, faculties and teaching in the departments.*

- (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 Heads of teaching Departments in 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. 2,50,000/-***
- ***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: ADMINISTRATIVE 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.

- 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) 'Department' means any teaching Department 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 Department 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-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 Fifty Thousand depending upon gravity of the issue.
- 4) Expulsion.

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.

6.0 AUTHORITIES EMPOWERED TO IMPOSE PUNISHMENT AND APPELLEATE

AUTHORITIES:

For acts of indiscipline & misconduct under Category-I			For acts of indiscipline/ misconduct under Category-II		
Penalties	Authority empowered to impose them	Appellate authority	Penalties	Authority empowered to impose them	Appellate authority
i) Admonition/ Reprimand.	Teacher, Head of the Department	No Appeal	Cancellation of admission or withdrawal of degree or denial of registration for a specified period.	Chief Proctor	Vice-Chancellor
ii) Sending the student out of his class/ laboratory and not letting him into his class/ laboratory up to a maximum of two consecutive periods/hours in a day.	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	Head of the Department	Fine up to Rupees Fifty Thousand depending upon gravity of the issue.	Vice-Chancellor on recommendation of the Chief Proctor and after considering the report of the Inquiry Authority.	Executive Council
iii) Fine up to Rupees Twenty	Chief Proctor	Vice-Chancellor	Expulsion.	Vice-Chancellor	Executive Council

Thousand depending upon gravity of the issue.				on recommendation of the Chief 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			
v) 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.	Chief Proctor	Vice-Chancellor			
Stoppage of any or all academic processes.	Chief Proctor	Vice-Chancellor			
Rustication up to two semesters and/or	Chief Proctor	Vice-Chancellor			

Declaring any hostels, premises, building or the entire Goa University Campus out of bounds to any students.					
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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 him/her. It shall be the responsibility of the students(s) thus charged to submit in writing his/her 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 his/her 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 EXECUTIVE 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 charge of criminal act involving moral turpitude committed outside the campus, the Vice-Chancellor after verifying the fact of such arrest and detention shall place him/her 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 him/her under suspension.
- iv) The Vice-Chancellor shall place the matter before the Executive Council which shall rusticate him/her from the University.
- v) If on appeal, the conviction is set aside, his/her 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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SCHEDULE OF FEES FOR THE ACADEMIC YEAR 2018-19		
Sr. No.	Particulars	Amount in INR
1	Tuition Fee (Yearly)	
a)	M.A./ M.Com / M.Sc. (Mathematics)	5910
b)	M.Sc. (Other than Mathematics & Electronics)	11800
c)	M.Sc. (Electronics)	15455
d)	M.Sc. (Biochemistry)	84000
e)	M.Sc. (Marine Microbiology)	84000
f)	M.A.(International Studies)	7350
g)	M.B.A. (Financial Services)	113680
h)	M.B.A.	113680
i)	I.M.B.A.	76440
j)	M.C.A.	17135
	Course Development Fees for M.C.A.	19320
k)	M.Phil	11800
l)	M.Phil (for Sciences)	13315
m)	P.G. Dip. Applied Plant Science	22755
n)	P.G. Dip. Clinical Genetics & Medical Lab. Techniques	40795
o)	Ph.D.	11575
p)	Ph.D. Administrative Fees	11550
q)	M.L.I.Sc.	25515
r)	B.L.I.Sc.	21880
2	Enrolment Fee	
a)	a) Goa University Students	580
b)	b) Outside University Students	2755
3	Gymkhana, Student Union, ID Card Fee	495
4	Student Aid Fund	140
5	Laboratory Fee/ Computer Fee	
a)	Applicable for Ph.D. Students	1155
b)	Applicable for other than Ph.D. Students	935
6	Annual Internet Fee	525
7	Annual Library Fee	
a)	Applicable for Ph.D. Students	1155
b)	Applicable for other than Ph.D. Students	540
8	Caution Deposit (Refundable)	2030
9	Eligibility Fees	
	Indian students from other boards/universities	580
10	Migration Certificate Fee	475
a)	Duplicate Migration Certificate	580
b)	Cancellation of Migration Certificate (after 6 months)	230
11	Transcripts	
a)	Professional programmes	350
b)	General Education programmes	230
c)	Attestation of Academic Record	350

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