



Chowgule Education Society's

Parvatibai Chowgule College of Arts and Science Autonomous

Accredited by NAAC with Grade 'A+'
Best Affiliated College-Goa University Silver Jubilee Year Award



PROSPECTUS 2026-27

BACHELOR OF ARTS (B.A.)

BACHELOR OF SCIENCE (B.Sc.)

BACHELOR OF VOCATION (B.Voc.)

Contact Number: 9730650860

email: admission@chowgules.ac.in

website: www.chowgules.ac.in

CONTENTS
ABOUT THE COLLEGE
PROGRAMMES OFFERED
PROGRAMME IN BACHELOR OF ARTS (BA) AND BACHELOR OF SCIENCE (BSc.) UNDER NEP 2020
PROGRAMME IN BACHELOR OF VOCATION (BVoc.) UNDER NEP 2020
CREDITS FOR EXTRA CURRICULAR COMPONENT
ADMISSION
STUDENT RESOURCES
CODE OF CONDUCT
ADMINISTRATION
SCHOLARSHIPS AND PRIZES
CONTACT DETAILS
DEPARTMENTWISE LIST OF COURSES

ABOUT THE COLLEGE

INTRODUCTION

CES's Parvatibai Chowgule College of Arts and Science is a premier educational institution in the State of Goa established in the year 1962, offering courses at the Graduate and Postgraduate levels as well as Ph.D. programmes. CES's Parvatibai Chowgule College is accredited by NAAC with Grade 'A+' (CGPA of 3.27 on a 4-point scale in the 4th cycle). The college was adjudged by Goa University as the "Best Affiliated College," at the time of its Silver Jubilee celebrations in the year 2009. It was also conferred with the "Best Educational Institute" award by Business Goa in 2014.

Having been conferred with autonomous status by University Grants Commission in June 2014, the college became the first autonomous college in the State of Goa. In the National Institutional Ranking Framework conducted by the Ministry of Human Resource Development (MHRD), Govt. of India for colleges across the country, our college was ranked in the Rank Band of 101-150 in the year 2018, followed subsequently by being in the Rank Band of 151-200 in the years 2019 and 2021. In 2017, the college was awarded 'DBT Star College Scheme' by Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India, being the first college in Goa to receive grants under this prestigious scheme. Our college is honoured with the 'Best Internship Partner' award by Goa Rugby Union at the Goa Rugby Awards 2018. Our College is categorized as 'Band A' institution (Rank between 06-25) in category of "Institutes and Colleges (Govt. and Govt. Aided)" in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2020 announced by MHRD, Government of India, in 2020.

The college has also been rated at '4.5 Star' for undertaking various activities prescribed by Innovation Cell, Ministry of Education, Government of India to promote innovation and start-ups in campus during the IIC Calendar Year, 2019-20 and accordingly selected as a Mentor Institute under the Mentor-Mentee Program 2021-22 of IIC, MIC.

Since its inception, the College has always been at the forefront in educational innovation. Presently the college offers undergraduate, postgraduate, postgraduate diploma, certificate courses and Ph.D. programmes in the streams of Arts, Science, and the Vocational under the National Education Policy NEP 2020. The College offers twenty-one undergraduate and eight postgraduate programmes, some of these courses are unique in Goa.

The various programmes offered at the undergraduate level in the Arts Stream are *English, French, Hindi, Konkani, Marathi, Economics, Geography, History, Philosophy, Psychology, Sociology and Service Management**. Programmes in the Science Stream are *Biotechnology, Botany, Chemistry, Computer Science, Geology, Environment Science and Impact Assessment, Mathematics, Physics, and Zoology*. The Programme in Vocational stream is *Software Development*.

(*subject to approval)

The various Post Graduate degree programmes offered are *M.Sc. in Information Technology, M.Sc. in Analytical Chemistry, M. Sc. in Life Science, M.A. in Geography, M.A. in Child Psychology and Child Development, and M.A. in English*.

The various Post Graduate diploma programmes offered are *Post Graduate Diploma in Computer Applications (PGDCA), and Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques (PGCGMLT)*.

The College has state-of-the-art infrastructure. Science laboratories with facilities for research, multimedia-equipped auditoriums, classrooms, conference room, campus-wide Wi-Fi network, computer labs, web-based virtual infrastructure for teaching-learning (LMS-CLAAP/Google Classrooms, C-mail, Online Library), computerized library, well equipped faculty offices, FIFA accredited football ground with field turf, multipurpose ground, gymnasium and fitness centre, sports medicine and physiotherapy centre, open-air seating arrangements, cafeteria, well maintained rest-rooms, spacious well-laid four-wheeler and two-wheeler parking grounds and offices for accounts and administration.

This institution also renders various support services that seek to provide motivation for students to excel. These support services include the Office of Information Technology, Estate Office, and Student Support Services.

Two prominent student guidance facilities are available at the College: Staff Advisory Programme (mentoring) and Student Support Services. Mentoring students is an integral part of our educational system, providing guidance and encouragement. Mentors play a key role in this college as they nurture students and help them remain connected and engaged, thus strengthening student's performance. Under Student Support Services the College has Personal Counseling and a writing center for academic support.

The college is the first in the State of Goa to establish a Centre for Teaching and Learning (CTL) in the year 2017. This Centre aims to educate faculty and students on effective integration of ICT in regular teaching-learning and provide them with hands-on experience/training.

The college has Memorandum of Understanding and collaborations with many foreign and Indian educational and research institutes. Under this, faculty and student exchange programmes are initiated.

The College steadfastly upholds its mission as a catalyst for change, extending support not only to its stakeholders but also, by extension, to the broader community and nation. The College actively seeks to groom students who possess a diverse range of skills and qualities, aiming to create individuals with a broad spectrum of capabilities and attributes.

PROGRAMMES OFFERED BY THE COLLEGE

UNDERGRADUATE PROGRAMMES

(a) Bachelor of Arts (B.A.)

Programmes in the Arts Stream: *English, French, Hindi, Konkani, Marathi, Economics, Geography, History, Philosophy, Psychology, Sociology and Service Management**
(*subject to approval).

(b) Bachelor of Science (B.Sc.)

Programmes in the Science Stream: *Biotechnology, Botany, Chemistry, Computer Science, Environment Science and Impact Assessment, Geology, Mathematics, Physics and Zoology.*

(c) Bachelor of Vocational (B. Voc)

Programme in B.Voc. Stream: *Software Development*

POSTGRADUATE DEGREE PROGRAMMES (Self Finance)

(a) Masters of Arts: *Geography*

(b) Masters of Arts: *Child Psychology and Child Development*

(c) Masters of Arts: *English*

(d) Masters of Science: *Information Technology*

(e) Masters of Science: *Analytical Chemistry*

(f) Masters of Science: *Life Science*

POSTGRADUATE DIPLOMA PROGRAMMES

(a) Post Graduate Diploma in *Computer Application (P.G.D.C.A)*

(b) Post Graduate Diploma in *Clinical Genetics and Medical Laboratory Techniques (P.G.D.C.G.M.L.T.)*

Ph.D. PROGRAMME in *Geography*

III

PROGRAMME IN BACHELOR OF ARTS (BA) AND BACHELOR OF SCIENCE (BSc.) UNDER NEP 2020

The following Bachelor of Arts (BA) Programmes are offered under NEP 2020:

- English
- French
- Hindi
- Konkani
- Marathi
- Economics
- Geography
- History
- Philosophy
- Psychology
- Sociology#
- Service Management* (Self finance)

#Third Year under Self-financed Programme

* Subject to approval

The following Bachelor of Science (BSc.) Programmes are offered under NEP 2020:

- Biotechnology (Self finance)
- Botany
- Chemistry
- Computer Science
- Environment Science and Impact Assessment (Self finance)
- Geology
- Mathematics
- Physics
- Zoology

The following Bachelor of Vocation (BVoc.) Programme is offered under NEP 2020:

- Software Development (Self Finance)

1. Degree to be awarded:

Though autonomous status is conferred by UGC, the College continues to be **affiliated to Goa University** and degrees are awarded by the Goa University indicating the name of the College.

2. Duration of Programmes:

Undergraduate degree programmes of either 3 or *4-year duration, with multiple entry and exit points and re-entry options, with appropriate certifications such as:

- UG Certificate after completing 1 year (2 semesters) of study in the chosen fields of study,
- UG Diploma after 2 years (4 semesters) of study,

- Bachelor's degree after a 3-year (6 semesters) programme of study,
- *Four-year Bachelor's degree (Honours) after eight semesters programme of study. If the student completes a rigorous research project in their major area(s) of study in the 4th year of a Bachelor's degree (Honours with research).

*Subject to approval by the DHE, Goa.

3. Eligibility for admission:

The College follows the ordinance of Goa University and that adopted by the College under autonomy.

Eligibility for admission to Undergraduate Programme

Eligibility for admission to the undergraduate programme leading to the degrees of Bachelor Programmes shall be as follows.

Eligibility for admission to Semester-I and Semester-II (in the first year) B. A. Programme

A. To be eligible for admission to the Semester-I of the Three Year or *Four-year course leading to the degree of Bachelor of Arts, the candidate should have passed

(i) The Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Arts / Commerce stream,

OR

(ii) The Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Vocational stream in the subjects notified by the University under this clause from time to time,

OR

(iii) Std XII (Arts) or similar examination of any another body, equivalent to Goa Board of Secondary and Higher Secondary Education, Goa, and recognized as such by Goa University.

B. A candidate satisfying the conditions laid down by the University for admission to the Semester-I course in B.Sc. shall also be eligible for admission to the Semester-I of B. A. course.

C. A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the college. However, the Principal along with the Dean of concerned Faculty and the Chairperson(s) of Board(s) of Studies of concerned subjects shall decide the eligibility.

D. A candidate admitted for Semester-I shall be deemed eligible for admission to Semester-II.

**Subject to approval from DHE.*

Eligibility for admission to Semester-I and Semester- II (in the first year) BSc. Programme

A. To be eligible for admission to the Semester-I of the Three Year or *Four Year Programme leading to the degree of Bachelor of Science, the candidate should have passed:

(i) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Science stream,

OR

(ii) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Vocational stream in the subjects notified by the University under this clause from time to time,

OR

(iii) Std XII (Science) or similar examination of any other body, equivalent to Goa Board of Secondary and Higher Secondary Education, Goa, and recognized as such by Goa University.

- B. A candidate satisfying the conditions laid down by the University for admission to the Semester-I course in B. Sc. shall also be eligible for admission to the Semester-I of B. A. course.
- C. A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the college. However, the Principal along with the Dean of concerned Faculty and the Chairperson(s) of Board(s) of Studies of concerned subjects shall decide the eligibility.
- D. A candidate admitted for Semester-I shall be deemed eligible for admission to Semester-II.

**Subject to approval from DHE.*

4. Awarding UG Certificate, UG Diploma, and Degrees:

UG Certificate: Students who opt to exit after completion of the first year and have secured 40 credits will be awarded a UG certificate if, in addition, they complete one vocational course or internship of 4 credits during the summer vacation of the first year. These students are allowed to re-enter the degree programme within a period of three years and complete the degree programme within the stipulated maximum period of seven years.

UG Diploma: Students who opt to exit after completion of the second year and have secured 80 credits will be awarded the UG diploma if, in addition, they complete one vocational course or Internship of 4 credits during the summer vacation of the second year. These students are allowed to re-enter within a period of three years and complete the degree programme within the stipulated maximum period of seven years.

Three-year UG Degree: Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major discipline after successful completion of three years, securing 120 credits and satisfying the minimum credit requirement.

Four-year UG Degree (Honours): A four-year UG Honours degree in the major discipline will be awarded to those who complete a four-year degree programme with 160 credits and have satisfied the credit requirements.

Four-year UG Degree (Honours with Research): Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline. The students, who secure 160 credits, including 12 credits from a research project/dissertation, are awarded UG Degree (Honours with Research).

Table 1: Award of Certificate, Diploma, Degree

Certificate/ Diploma/Degree	Credits	Additional Requirement	Re-entry option
UG Certificate	40	One vocational / internship course of 04 credits during the summer vacation of the first year.	Re-entry within 3 years
UG Diploma	80	One vocational / internship course of 04 credits during the summer vacation of the second year.	Re-entry within 3 years
3-year UG Degree	120		Completion within 7 years
4-year UG Degree (Honours)	160		Completion within 7 years
4-year UG Degree (Honours with Research)	160 (12 credits of Project/ Dissertation)		Completion within 7 years

5. Maximum Duration of the programme

The duration of the UG programme is three years or six semesters and four years or eight semesters. Students may be permitted to take a break during the period of study but the total duration for completing the programme shall not exceed seven years.

6. UG Degree Programmes

Under NEP 2020 the student can avail any one of the following options for the UG degree programme:

UG Degree Programmes with Single Major: Major discipline is the discipline or subject of main focus and the degree will be awarded in that discipline. A student has to secure a minimum of 50% credits from the major discipline for the 3-year/4-year UG degree to be awarded in a single major.

UG Degree Programmes - Single Major with Minor: A student has to secure a minimum of 50% credits from the major discipline for the 3-year/4-year UG degree to be awarded a single major and a minimum of 12 credits from the minor discipline, then the student will obtain a minor in that subject/discipline.

Minor discipline helps a student to gain a broader understanding beyond the major discipline.

UG Degree Programmes with Double Major:

A student must secure a minimum of 40% of the total number of credits for the programme from the first major discipline and 30% of the total number of credits for the programme from the second major discipline for the three-year/four-year UG degree to be awarded a double major. These students will not have the opportunity to obtain a minor in any subject/discipline.

7. Curricular components of the undergraduate programme

The curriculum consists of Major Discipline Courses, Minor stream courses and courses from other disciplines, language courses, skill courses, and a set of courses on value education.

At the end of the second semester, students can decide either to continue with the chosen major or request a change of major within the selected Major-minor. In the case of Double Major, a student can only request for a change between the First Major and Second Major. The above changes are applicable on the basis of CGPA of the first year and the availability of the seats. These changes shall be allowed up to 15 days from the commencement of the third semester. The minor stream courses include vocational courses which will help the students to equip with job-oriented skills.

Disciplinary Major: The major would provide the opportunity for a student to pursue in-depth study of a particular subject or discipline. Students may be allowed to change the Major within the broad discipline at the end of the second semester by giving her/him sufficient time to explore interdisciplinary courses during the first year. Advanced-level disciplinary/interdisciplinary courses, a course in research methodology, and a project/dissertation will be conducted in the seventh semester. The eighth semester will be devoted to seminar presentation, preparation, and submission of the report on the Research Project/Dissertation. The Research Project/Dissertation will be on a topic in the disciplinary programme of study or an interdisciplinary topic.

Disciplinary/Interdisciplinary Minors: Students will have the option to choose courses from disciplinary/interdisciplinary minors and skill-based courses relating to a chosen vocational education. Students who take a sufficient number of courses (at least 12 credits) in a subject/discipline will qualify for a minor in that subject/discipline.

Vocational Education and Training (VOC - 12 credits): Vocational Education and Training will form an integral part of the undergraduate programme to impart skills along with theory and practical. A minimum of 12 credits will be allotted to the 'Minor' stream relating to Vocational Education and Training and these can be related to the major or minor discipline or choice of the student.

In the case of the three years Double Major UG programme, these courses are to be related to the First / Second Major discipline.

These courses will be useful to find a job for those students who exit before completing the programme.

Courses from other Disciplines - Multidisciplinary (MDC - 09 credits):

All UG students are required to undergo 3 introductory-level courses in a discipline other than the discipline of the major(s) relating to any of the broad disciplines given below. These courses are intended to broaden the intellectual experience and form part of liberal arts and science education.

Students are not allowed to choose or repeat courses already undergone at the higher secondary level (12th class) or in the proposed major and minor stream under this category.

The broad disciplines are:

- i. Natural and Physical Sciences
- ii. Mathematics, Statistics, and Computer Applications
- iii. Humanities and Social Sciences

Ability Enhancement Courses (AEC- 08 credits):

Students are required to achieve competency in a Modern Indian Language (MIL) and in the English language with special emphasis on language and communication skills.

Skills Enhancement Courses (SEC - 09 credits):

These courses are aimed at imparting practical skills, hands-on training, soft skills, etc., to enhance the employability of students.

Value-Added Courses (VAC- 06 credits)

These courses would be offered in the following areas:

- i. Understanding India
- ii. Environmental science/education
- iii. Digital and technological solutions
- iv. Health and Wellness, Yoga education, sports, and fitness
- v. Innovation
- vi. Ethics

Internship (04 credits):

A key aspect of the new UG programme is induction into actual work situations. All students will mandatorily undergo internships in a firm, industry, or organization or training in labs with faculty and researchers in their own or other HEIs/research institutions during the term end.

Research Project / Dissertation

Students choosing a 4-Year Bachelor's degree (Honours with Research) are required to take up research projects under the guidance of a faculty member. The students are expected to complete the Research Project in the eighth semester.

Other Activities: Includes National Cadet Corp (NCC)/ National Service Scheme (NSS)/Sports Activities /Club Activities: A student can earn 06 credits cumulatively across these activities which shall be non-Evaluative and mandatory in nature. These credits shall be over and above the regular year wise credits earned.

8. Number of credits by type of course:

(Refer table 2a and 2b)

- a. **Major and Minor Courses:** All discipline-specific courses (major or minor) are of 4 credits. These courses shall be offered with 04 credits of the theory component or with a combination of 03 credits of the theory component and 01 credit of the practical or tutorial component.
- b. **Other Courses:** The Multi-Disciplinary Course and Skill Enhancement Course categories shall be of 3-credits. These courses shall be offered with 03 credits of the theory component or with a combination of 02 credits of the theory component and 01 credit of the practical component. Ability Enhancement Course shall be of 2 to 4 credits.
- c. **Common Value-Added Courses:** Courses under Value-Added shall be of 2 credits; Internship will be of 4 credits.
- d. **Research project / Dissertation:** The fourth-year Research Project/Dissertation will be 12 credits.

Minimum Credit Requirement of the 3-year and 4-year Undergraduate Programme (Honours) or Undergraduate (Honours with Research) Programmes:

The UG programme will consist of the following categories of courses and the minimum credit requirements for 3-year UG and 4-year UG (Honours) or UG (Honours with Research) programmes are given in the Tables 2a and 2b:

Table 2a: Minimum Credit Requirements to Award Degree under Each Category (Single Major)

Sr No.	Broad Category of Course	Minimum Credit Requirement	
		3-year UG	4-year UG
1	Major (Core)	60	80
2	Minor Stream	24 <i>(Minimum 12 credits in Vocational Education and Training and 12 credits in a Minor shall earn a Minor in that Discipline/Subject)</i>	32 <i>(Minimum 12 credits in Vocational Education and Training and 12 credits in a Minor shall earn a Minor in that Discipline/Subject)</i>
3	Multi-Disciplinary Course (MDC)	09	09
4	Ability Enhancement Course (AEC)	08	08
5	Skill Enhancement Course (SEC)	09	09
6	Value Added Course (VAC)	06	06
7	Internship	04	04
8	Research Project/Dissertation	-	12*
	Total	120	160

*Honours students not undertaking research will do 3 core courses in the Major discipline for 12 credits in lieu of the Research Project / Dissertation.

Table 2b: Minimum Credit Requirements to Award Degree under Each Category (Double Major)

Sr	Broad Category of Course	Minimum Credit Requirement
----	--------------------------	----------------------------

No.		3-year UG	4-year UG
1	First Major (Core)	40	52
2	Second Major (Core)	32	48
2	Vocational Education and Training	12 <i>(08 credits related to the First Major and 04 credits related to the Second Major)</i>	12
3	Multi-Disciplinary Course (MDC)	09	09
4	Ability Enhancement Course (AEC)	08	08
5	Skill Enhancement Course (SEC)	09	09
6	Value Added Course (VAC)	06	06
7	Internship	04	04
8	Research Project/Dissertation	-	12* (from the First Major)
	Total	120	160

*Honours students not undertaking research will do 3 core courses in the First major discipline for 12 credits in lieu of the Research Project /Dissertation.

9. Groups to Select Discipline-Specific courses in Arts Programmes

Four group choices are available for Major Minor and Double Major subject combinations as given below. Students must choose any two subjects, one each from a different group. Subjects in the same group cannot be chosen as a major-minor or double-major combination.

For example: If English is opted from group 1 as single major or double major1, Economics cannot be opted as minor/ double major2 and vice versa. But with English as major or double major1, Sociology from group 2 can be opted as minor or double major 2 and vice versa.

Group 1
Economics
English

Group 2
Sociology
Marathi
French

Group 3
Konkani
History
Philosophy

Group 4
Psychology
Geography
Hindi

Groups to Select Discipline-Specific courses in Science Programmes

The selection of major and minor combinations will adhere to the groups given below. Students selecting a particular major subject are not permitted to choose a minor subject within the same group, but they are free to select a minor subject from any other group. For instance, a student choosing a major in Computer Science can select any minor subject except Chemistry.

Group 1
Geology

Group 2
Physics
Botany

Group 3
Computer Science
Chemistry

Group 4
Mathematics
Zoology

Double Major Combinations in Science

Students opting for a specific major-minor combination in their first year also have the option to pursue a double major, which they may choose in Semester III. Below are the double major combinations available for students to choose from.

Sr. No.	Major 1	Major 2
1	Botany	Chemistry
2	Botany	Zoology
3	Chemistry	Zoology
4	Geology	Chemistry
5	Geology	Physics
6	Mathematics	Computer Science
7	Physics	Chemistry
8	Physics	Computer Science
9	Physics	Mathematics
10	Geology	Computer Science

NOTE:

1. Computer Science can be only Double Major² in Double Major combination.
2. All other science combinations can be swapped.

PROGRAMME IN BACHELOR OF VOCATION (B.Voc.) UNDER NEP 2020

The following B.Voc. programme is offered:

- Software Development

1. Degree to be awarded:

Though autonomous status is conferred by UGC, the College continues to be **affiliated to Goa University and degrees are awarded by the Goa University** indicating the name of the College.

2. Duration: *Three Years (Six Semesters)*

3. Aim of the Programme:

BVoc in Software Development is a unique program with the aim to produce individuals equipped with all the skills that are required for employability in various domains of the IT industry. The program offers a blend of skills education, professional education and general education required for all round development of the individual in the field of software Development. It is a three years Degree program with exit options at the first year with Diploma certificate, second year with advanced Diploma certificate and BVoc degree at the completion of three years.

Total Number of Seats (including reserved seats): 30 Eligibility

Selection Procedure:

To be eligible for admission to the programme leading to the award of Graduate in Bachelor of Vocational, Software Development the candidate must have passed 10+2 in Vocational, Science, Commerce, Arts, Open School or Home Schooling securing a minimum of 45% marks on aggregate or equivalent Grade or as specified for a Programme.

Credits required for completing the B.Voc in Software Development programme: 120

Sr. No.	Nature of Courses	Credits Required
1	Skill Development Courses	68
2	General Courses	52
	Total Credits Required	120

5. Course Structure of B.Voc in Software Development

NSQF level/ Semester	Course Code	Course Title	Component	Cours e Credit	
Skill Development Qualification Pack - Junior Software Developer					
Level 4.5 /Semester 1	General Education Component				
	SD - G8	Environmental Studies	Theory	3	
	SD - G9	Business Communication	Theory	3	
	SD - G10	Accounting for Non Accountant	Theory	4	
	Skill Component				
	CSD-SK3	Introduction to programming	Theory &	4	
	CSD-SK7	Database Management System	Theory &	3	
	CSD-SK2	Web Designing	Theory & Practical s	3	
	Total Credits for semester				20
	Skill Development Qualification Pack - Web Developer				
Level 4.5 /Semester II	General Education Component				
	SD - G6	Content Writing	Theory	3	
	SD - G1	Language Paper - I	Theory	3	
	SD - G11	Entrepreneurship	Theory	4	
	Skill Component				
	CSD-SK7	Object Oriented programming	Theory & Practical s	4	
	CSD-SK9	Server Side programming	Theory &	3	
	CSD-SK6	Multimedia	Theory &	3	
	Total Credits for semester				20

*Course Structure **Subject to Change** For additional information contact:

Mr. Mitendra Alve: mda000@chowgules.ac.in

IV

CREDITS FOR EXTRACURRICULAR COMPONENT

The following categories of extra-curricular activities are available to students under the undergraduate curriculum of CES's Parvatibai Chowgule College of Arts and Science (Autonomous)

These are:

1. Music, Dance Programme
2. Sports Programme
3. NCC Programme
4. NSS Programme
5. Life-skills Programmes
6. Exchange Programme
7. Outreach Programme (initiated by Academic Departments of the College)

ADMISSION

1. How to apply:

To apply for admission, please visit our college website www.chowgules.ac.i and for further details and queries contact:

Email Id: admission@chowgules.ac.in

Phone No. (0832) 2722222/ 9730650860 during working hours (9.00 a.m. to 1.00 p.m. and 2.00 p.m. to 4.30 p.m.)

2. Documents required:

Students are required to bring two photocopies (self-attested) of each of the following documents along with the originals at the time of admission.

a. For Goa Board students:

1. Original + Two photocopies of qualifying examination mark sheet (XIIth).
2. Original + Two photocopies of Leaving Certificate.
3. Three passport size photographs.
4. Original + One photocopy of Aadhar Card.
5. Photocopy of Birth Certificate.
6. Caste Certificate approved by Government of Goa (if applicable).
7. EWS Certificate approved by Government of Goa (if applicable).

b. For other Board/Universities students:

1. Two photocopies of qualifying examination mark sheets (XIIth).
2. Original as well as two photocopies of Transfer/Leaving certificate.
3. Original as well as two photocopies of Migration certificate.
4. Provisional Eligibility Certificate from Chowgule college.
5. Three recent photographs.
6. Original + One photocopy of Aadhar Card.
7. Photocopy of Birth Certificate.
8. Caste Certificate approved by Government of Goa (if applicable).
9. EWS Certificate approved by Government of Goa (if applicable).

c. For International students:

International students applying directly for admission need to submit an application to the Principal stating their desire to seek admission along with their Passing Certificate, Transcript of records, copy of syllabus containing details of course of studies pursued in various courses in the examination passed by the applicant (duly countersigned by High Commissioner of India in the country). If the student is found eligible, prima facie letter will be sent to the student for carrying out further necessary formalities. Following documents are required to be submitted:

1. Four photocopies of qualifying examination mark sheets / XIIth.
2. Three Photographs.
3. Two photocopies of Student Visa.
4. Two photocopies of Passport.
5. Original AIDS Test Report.
6. Certificate of proficiency in English.
7. Equivalence Certificate.
8. Resident Permit and 'C' Form.

Once the student's admission is confirmed, he/she is required to attend the Counselling session organized by the faculty of the department, the date of which will be intimated to students by the college authorities.

STUDENT RESOURCES

1. LIBRARY:

The College has an impressive library building with a built-up area of 1200 sq.mtrs. The library has worldwide links, giving end users easy access to scholarly material that is relevant and regularly updated. A vast collection of 65,000 items covering every field of knowledge serves to make resources available to faculty and students.

Contact Person: Mrs. Poonam Joshi

Email: pmj001@chowgules.ac.in

2. LABORATORIES:

Department Labs: Physics, Botany, Biotechnology, Biochemistry, Computer Science, Zoology, Chemistry, Geography, Geology & Psychology departments are equipped with modern laboratories that have provision for research facilities.

Computer Labs: The college has well equipped Computer Labs for the use of staff and students. The college has its own server for these computers, ensuring continuous and reliable access and networking.

Research Laboratory: The college houses a centralized research laboratory equipped with modern equipment.

3. STUDENT SUPPORT SERVICES

This college extends support to students with regards to various activities required for a well-developed academic life. The Student Support Services ensures that students receive friendly and easily accessible guidance and support.

The Student Support Services provides a host of specialized services to students, which are aimed at developing a well-rounded personality of the students, offering them counseling on academic and non-academic concerns.

a. International Student and Teachers Exchange Programmes

The College has international student-teacher exchange cell with institutions of higher learning in Sweden and Portugal. Under these exchange programmes, students from the College visit these institutes to learn about the education, culture and experience the unique

hospitality that the families of students there have to offer. Similarly, students from these institutes visit our college and undergo a similar programme in India.

Contact Person: Dr. Rupali Tamuly Email: international_exchange@chowgules.ac.in

b. Writing Centre

The Writing Centre at Parvatibai Chowgule College was founded with the help of international experts to teach, develop and improve the writing skills of the students. The writing centre aims to develop the academic writing skills of the students and provides assistance and help with other forms of writing required by students and faculty in the general academic atmosphere.

Email: writingcentre@chowgules.ac.in

c. Personal Counselling Centre

Personal counseling with a personal counselor is available to tide over personal issues and concerns.

Email: counseling@chowgules.ac.in

d. Foreign Languages Study

The College promotes foreign language learning and culture. The college conducts the following foreign language course for the students and public at large.

- Portuguese language courses for basic, elementary and intermediate levels are conducted and certificates are issued by Instituto Camoes, Portugal.

Contact Person: Ms. Trupti Faldessai

Email : portuguese@chowgules.ac.in

6. STUDENT CLUBS

We have Student-governed clubs on campus which is an opportunity for students to take the lead in organizing, planning, and executing activities that resonate with their passions and interests. These clubs provide a platform for creative expression, leadership development, and community engagement. Whether your passion lies in the arts, sciences,

social justice, or anything in between, there's a place for you to thrive and make a difference. We have four broad categories of clubs:

Departmental Clubs: The Beret Bunch, English tygers' club, Chowgule's Birders club, Sophia Forum, Club Cerebro, Club Nebulites, Ignite, Human Dosto, Biochrome, Firebits, Club Botanica, Sherlock Ohms, Club Econ, Cos Yo, SYNERGY, GLOBE.

Student Governed Clubs: Goychi Sonskrutai, Filmmakers' Club, Tiger Adventure club, Haneul club, Kpop Club, Club Acoustica, Pawclub, Click club, Fashion club, Dance club.

Sports and health lifestyle Clubs: Tiger Table Tennis Club, Tigers Chess Club, Tigers Handball Club, Tigers Cricket Club, Tiger Tennikoit Club, Tiger Basketball Club, Tigers E-Sports Club, Tigers Cricket Club, Tiger Football Club, Fit Tigers Club, Tiger Badminton Club, Tiger Volleyball Club, Tiger Tennis Club, Tiger Multi Sports Club,

College Governed Clubs: Samatvam (Gender Champion Club), Red Ribbon Club, Yuva Travel Club, Standard Club.

Contact Person: Dr. Devashish Bagchi

Email: [dzb001@chowgules.ac.in](mailto:dvb001@chowgules.ac.in)

5. TRANSLATION CENTRE

The Translation Centre was inaugurated in 2017 and is the first of its kind in Goa. The objective of the center is to promote the growth of indigenous literature and knowledge, thereby inducting the students into the field of translation and assignment of translation work.

Contact Person: Dr. Gunaji Desai

Email: translationcenter@chowgules.ac.in

6. TEACHING LEARNING AND EDUCATIONAL TECHNOLOGY CELL

The Teaching Learning and Educational Technology Cell (TLET) was inaugurated in November 2017 and is the first in the State of Goa and one of the few Centres in the country. This TLET aims to educate faculty on how to go about integrating ICT in Higher Education effectively by conducting workshops, seminars and provide them with hands-on experience/training, innovation, implementation and sharing of different ICT tools in teaching like Simulation, Gamification, LMS, Mobile Applications, etc. and develop E-

content for the various courses offered by the college and other educational institutions, conduct research related to use of ICT, Learning Analytics, Mobiles, LMS, etc. and provide Assessment/Evaluation strategies to track student progression until graduation.

Contact Person: Prof. (Dr.). Sameena Fernandes e Falleiro

Email: ctl@chowgules.ac.in

VII

CODE OF CONDUCT

Students are required to take note of the following and to adhere to the requirements:

Classroom Attendance:

The College runs full time programmes and requires the students to attend classroom sessions. Minimum attendance for eligibility to appear for Examinations as per Goa University ordinance OA-17.

- A student registered in a Semester / Term / Year, for any Programme (Degree or Diploma), shall ordinarily be required to have a minimum cumulative attendance of 75% of the total lectures and practicals engaged during that Semester / Term / Year and a minimum of 50% attendance of the total lectures and practicals engaged in any individual paper / course.
- A student, not fulfilling the minimum attendance requirements mentioned above, shall not be eligible to appear for that Semester / Term / Annual Examination. Such students shall have to seek re-admission to the Course/Programme during the subsequent Academic Year /Term / Semester by paying the requisite fees.
- For a student registered for a subject/subjects having practical component, attendance for both theory and practical component shall be treated separately for the requisite attendance mentioned above.

Wearing of Identity Cards:

While on the College Campus the student must compulsorily wear their Identity Cards in order to seek entry in the college campus and must produce the same when any staff member of the College asks for identification. Library cards are not substitutes for official Identity Cards.

Please note the following fines as applicable:

- If a student is found to be not wearing ID card – Rs 500/- .
- If students have swapped cards – Rs. 1000/- per defaulter.
- Crossing over Library flowerbeds or Behind animal house –Rs. 500/- .
- Damage to College property – Estimated cost of damage payable at full cost.
- If a card is lost, a new one can be procured at a cost of Rs. 350/- The cost of lanyard is an additional Rs 20/-.

Campus Discipline and Conducive Environment

The College is making concerted efforts to provide relevant education of global standards in a disciplined and conducive environment. The following regulations are some building blocks of this environment and all students are required to take note of them.

Computers Usage Rules

College encourages students to use laptops and to bring their personal laptops to the class. Students may also use computers available in the Computer Lab I. Users must be fully aware of the usage rules and the IT protocol of the College. Disciplinary action will be taken against violators.

Vehicle Parking Rules

The College is not responsible for the safety of vehicles parked at the vehicle parking area of the college. Persons must vacate the parking space after parking the vehicles. There are parking slots marked and the college is NOT responsible if the vehicle is towed away if parked in 'No Parking Area'. The parking zone has a speed limit and all those who intend to park their vehicles are expected to follow the speed limit. Misusing the parking ground in any way is an offence and would invite a fine of Rs. 5000/- and disciplinary action.

Stand against Ragging

The college recognizes the criminality of ragging and strictly prohibits it within the institution. Whoever directly or indirectly commits, participates in, abets or instigates it shall be suspended/expelled/rusticated and shall be liable to pay a fine. Ragging includes display of noise, disorderly conduct, teasing, rough or rude treatment, indulging in rowdy, undisciplined and obscene activities which cause or are likely to cause annoyance, undue hardship, physical or psychological harm or mental trauma or raise apprehension or fear on a fresher, other students or other persons, or forcing students to do any act which such a student or person is not willing to do or which cause him/her harm, shame, embarrassment or danger to his/her life or limb or indulging in eve teasing or sexual harassment or instigating others to do so. Thus, college has zero tolerance policy towards ragging.

The college will abide by "UGC Regulations on curbing the menace of Ragging in Higher Educational Institutions, 2009"

In case of any grievance related to sexual harassment on the campus students can directly write a letter addressed to Presiding Officer, Internal Committee, Chowgule College. For

further details refer to college policy on prevention, prohibition and redressal of sexual harassment at workplace.

Students can also send an email to icc@chowgules.ac.in :-

GREEN AND CLEAN CAMPUS

The college is committed to maintaining a clean, safe, and sustainable environment on its campus. As part of this commitment, the college recognizes the importance of addressing issues related to littering and environmental conservation. As such it is expected from all students that they follow the below mentioned rules/ guidelines on the campus to provide clean and green environment to all.

Prohibition of Littering: Littering is strictly prohibited on campus premises and in classroom and corridors. All members of the college community, including students, faculty, staff, and visitors, are expected to dispose of their waste responsibly in designated receptacles. Violations of the littering policy may result in disciplinary action in accordance with the college's code of conduct. Enforcement measures may include warnings, fines, or community service requirements, depending on the severity and frequency of the offense.

Waste Reduction and Recycling: The college is committed to reducing waste generation and promoting recycling initiatives on campus. Recycling bins are strategically placed throughout the campus, and efforts are made to minimize the use of single-use plastics and other non-recyclable materials in campus operations.

VIII

ADMINISTRATION

THE COLLEGE OFFICE

Office Hours for Students: 10.00 am to 1.00 pm.

1. Request for certificates, testimonials and other documents requiring the Principal's signature should be addressed to the Principal and submitted to the College Office.
2. The Principal will take into consideration the reports of the departments when issuing academic/ conduct / attendance / other certificates.
3. A student desiring to obtain a certificate (transfer / conduct / age etc.) shall apply for it in the prescribed form available in the College office. The application should be submitted along with a processing fee.
4. Minimum 48 hours are required for processing the request.

SCHOLARSHIPS AND PRIZES

The college offers a wide range of scholarships to cater to the needs of students from diverse socio-economic backgrounds. Four types of scholarships are provided: Government schemes/ scholarship; Student Aid fund assistance and Private scholarship. For more details refer to the College Handbook 2025-26. Student is requested to visit the college website www.chowgules.ac.in for more information about the policy for availing scholarships and prizes.

CONTACT DETAILS

Name	Designation	Department	Email ID
Prof. (Dr.) Sangeeta Sankhalkar	Principal	Botany	principal@chowgules.ac.in
Dr. Meghana Devli	Vice-Principal	Geology	vp@chowgules.ac.in
Dr. Rupali Tamuly	Dean of Arts	Economics	deans_arts@chowgules.ac.in
Prof.(Dr.) Sameena Fernandes e Falleiro	Dean of Science	Computer Science	deans_science@chowgules.ac.in
Dr. Manjita Porob	Controller of Examination	Chemistry	mrp001@chowgules.ac.in
Dr. Uma Masur	Head of the Department	Botany	uam001@chowgules.ac.in
Dr. Starlaine Mascarenhas	Incharge of the Department	Biotechnology	scm008@chowgules.ac.in
Dr. Roopa Belurkar	Head of the Department	Chemistry	rsb001@chowgules.ac.in
Dr. Shaila Ghanti	Head of the Department	Computer Science	sg001@chowgules.ac.in
Dr. Shaiesh Morajkar	Incharge of the Department	Environment Science and Impact Assessment	ssm026@chowgules.ac.in
Ms. Swati Ghadi	Incharge of the Department	Geology	ssg037@chowgules.ac.in
Ms. Danielle Monteiro	Incharge of the Department	Mathematics	dcm001@chowgules.ac.in
Mr. Yatin Desai	Head of the Department	Physics	ypd006@chowgules.ac.in
Ms. Filomena Pereira	Incharge of the Department	Zoology	fip000@chowgules.ac.in
Prof. (Dr.) Nandkumar N. Sawant	Head of the Department	Geography	nns001@chowgules.ac.in
Dr Rupali Tamuly	Head of the Department	Economics	rmt001@chowgules.ac.in
Mrs. Sarita Naik Tari	Head of the Department	History	sst001@chowgules.ac.in
Dr. Sobita V. Kirtani	Incharge of the Department	Psychology	svk004@chowgules.ac.in
Dr. Audrick D'Mello	Incharge of the Department	Philosophy	aad025@chowgules.ac.in
Dr. Sachin S. Moraes	Incharge of the Department	Sociology	ssm005@chowgules.ac.in

Dr. Sonia Fernandes Da Costa	Head of the Department	English	sof002@chowgules.ac.in
Dr. Gunaji Desai	Head of the Department	Konkani	gsd001@chowgules.ac.in
Dr. Pradeep Jatal	Incharge of the Department	Hindi	prj002@chowgules.ac.in
Ms. Carol Barreto Miranda	Incharge of the Department	French	cpb002@chowgules.ac.in
Ms. Trupti Fal Dessai	Incharge of the Department	Marathi	tfd000@chowgules.ac.in
Dr. Devashish Bagchi	Director	Physical Education and Sports	dvb001@chowgules.ac.in
Mrs. Poonam Joshi	Librarian	Library	pmj001@chowgules.ac.in

Important Note

The Principal may amend the admission rules at her discretion. The Principal's decision in all matters related to admission shall be final.

DEPARTMENT WISE LIST OF COURSES

Note: Semester VII and VIII will be offered subject to approval from Directorate of Higher Education.

BACHELOR OF ARTS - B.A

ECONOMICS

SEMESTER	MAJOR CORE	MINOR/ VOCATION AL	MULTIDISCIPLINA RY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEMEN T COURSE(SEC)
I	UG-ECO-101: Microeconomics- I	UG-ECO-102: Principles of Economics	UG-ECO-MDC1: Financial Investment for all UG-ECO-MDC2: Natural Resource Economics	UG-ECO- VAC1: Kautilya's Arthashastra UG-ECO- VAC2: Financial Literacy	UG-ECO-SEC1: Accounting for Non-accountants
II	UG-ECO-103: Statistical Methods in Economics	UG-ECO- 104: Economics of Infrastructure UG-ECO- 105: Home Economics	UG-ECO-MDC3: Taxation for all UG-ECO- MDC 6 Options Trading: Theory and Practice (MDC)	UG-ECO- VAC3: Gandhian Economic Thought	UG-ECO-SEC2: Entrepreneurshi p UG-ECO-SEC3: Project Management and Evaluation
III	UG-ECO-201: Macroeconomics- I	UG-ECO-203: Economics of Social Sector	UG-ECO-MDC4: Human Resource Management		UG-ECO-SEC4: Actuarial Economics
	UG-ECO-202: Empirical Techniques for Economic Analysis - I		UG-ECO-MDC5: Transport Economics		UG-ECO-SEC6: Data Management & Presentation Using Microsoft spreadsheet
IV	UG-ECO-205: Behavioural Economics	UG-ECO-209: Introduction to Mathematical Techniques for Economic Analysis			

	UG-ECO-206: Evolution of Economic Thought	UG-ECO-210 Game Theory and Applications			
	UG-ECO-301: Research Methodology in Economics				
	UG-ECO-208: Health Economics				
V	UG-ECO-301: Public Economics	UG-ECO-304: Introduction to Operations Research for Economists			
	UG-ECO-302: Economics of Growth and Development				
	UG-ECO-303: Introduction to Econometrics				
	* UG-ECO-304: Industrial Economics				
VI	UG-ECO-305: Environmental Economics	UG-ECO-308: Data Science in Economics			
	UG-ECO-306: Financial Economics-I				
	UG-ECO-307: International Trade Theory and Policy				
	UG-ECO-PRJ: Project				
	*UG-ECO-308 Money and Banking				
VII	UG-ECO-401: Microeconomics- II				

	UG-ECO-402: Macroeconomics- II				
	UG-ECO-403: Advanced to Econometrics				
	UG-ECO-404: Financial Economics-II				
VIII	UG-ECO-405: Indian Public Finance				
	UG-ECO-406: International Economics				
	UG-ECO-407: Indian Economy				
	UG-ECO-408: Economy of Goa				

* The courses Industrial Economics and Money and Banking will be offered in place of the project.

ENGLISH

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	ABILITY ENHANCEMENT COURSE (AEC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT COURSE (SEC)		
I	UG-ENG-101 Understanding Poetry & Drama	UG-ENG-101 Understanding Poetry & Drama (Minor)	UG-ENG-AEC1 Effective English Communication	UG-ENG-VAC1 E-Portfolio	UG-ENG-SEC1 Creative Writing for Beginners		
					UG-ENG-SEC4 Building ePortfolio		
		UG-ENG-105 Introduction to Poetry & Drama (Minor)	UG-ENG-AEC2 Academic Writing I	UG-ENG-VAC3 Exploring Indian Literature: Selected Readings	UG-ENG-SEC7 Reading Literature		
II	UG-ENG-102 Understanding Fiction	UG-ENG-102 Understanding Fiction (Minor)	UG-ENG-AEC2 Academic Writing I	UG-ENG-VAC4 Literature and Environment	UG-ENG-SEC5 Creative Writing Skills I		
		UG-ENG-106 Introduction to Fiction	UG-ENG-AEC3 Academic Writing II		UG-ENG-SEC2 Writing for the Media I		
III	UG-ENG-201 Introduction to Linguistics I (2C)	UG-ENG-211 History of English Literature (5 th to 18 th Century) (Minor)			UG-ENG-SEC6 Creative Writing Skills II		
	UG-ENG-203 Contemporary Indian English Literature					UG-ENG-203 Contemporary Indian English Literature (Minor)	UG-ENG-SEC3 Writing for the Media II
	UG-ENG-212 Media Writing I (2C) OR UG-ENG-202 Creative Writing I (2C)					UG-ENG-214 Exploring Literature (Minor)	
IV	UG-ENG-204 Introduction to Linguistics II (2C)	UG-ENG-VOC3 Craft of Creative Writing (VOC1)					
	UG-ENG-213 Media Writing II (2C) OR						

	UG-ENG-205 Creative Writing II (2C)				
	UG-ENG-215 Literary Criticism				
	UG-ENG-206 Literature of Indian Diaspora				
	UG-ENG-216 Visual Literature				
V	UG-ENG-301 Goan Literature and Culture	UG-ENG-VOC1 Film Studies			
	UG-ENG-307 New Literatures in English				
	UG-ENG-308 American Literature of the Twentieth Century				
VI	UG-ENG-302 Introduction to World Literature	UG-ENG-VOC2 English Language & Literature Teaching (VOC3)			
	UG-ENG-305 Modern Indian Literature in Translation				
	UG-ENG-306 Women's Writing in India				
	UG-ENG-PRJ Project Course				
VII	UG-ENG-401 Nineteenth Century English Literature	UG-ENG-401 Nineteenth Century English Literature (Minor)			
	UG-ENG-404 Introduction to Literary Theory				
	UG-ENG-402 Shakespeare Today				
	UG-ENG-403 Film Studies				

VIII	UG-ENG-405 Twentieth Century English Literature	UG-ENG-405 Twentieth Century English Literature (Minor)			
	UG-ENG-407 English Language & Literature Teaching				
	UG-ENG-406 Latin American Literature				
	UG-ENG-408 Representatio n of Gender and Sexuality in Literature				

FRENCH

SEM	MAJOR CORE	MAJOR2/MI NOR	VOCATIONA L	MULTIDISCI PLINARY COURSE (MDC)	SKILL ENHANCEM ENT COURSE (SEC)	VALUE ADDED COURSE (VAC)
I	UG-FRE-101 : Developing Reading and Writing Skills	UG-FRE-101 : Developing Reading and Writing Skills Level A1.1		UG-FRE-MDC1: Developing Listening and Speaking Skills Level	UG-FRE-SEC1 : French Language at Beginner Level Pre -A1.1	UG-FRE-VAC1 Universal Value Based Narratives- Guy de Maupassant
II	UG-FRE-102: Developing Reading and Writing Skills Level A1.2	UG-FRE-102: Developing Reading and Writing Skills Level A1.2		UG-FRE-MDC2 : French Language at Elementary Level - A1.1 Level	UG-FRE-SEC2 : Beginner Level for Tourism and Hospitality	
				UG-FRE-MDC3 : Developing Listening and Speaking Skills Level A1.2		
III	UG-FRE-201 : Developing Reading and Writing Skills Level A2.1	UG-FRE-201 : Developing Reading and Writing Skills Level A2.1 UG-FRE-202: Introduction to Francophonie		UG-FRE-MDC 4: Contemporary French Society: A Cultural and Social Exploration	UG-FRE-SEC3 : Elementary Level for Tourism and Hospitality UG-FRE-SEC 4: Developing Listening and Speaking Skills Level A2.1	
IV	UG-FRE-203 : Developing Reading and Writing Skills Level A2.2 UG-FRE-204:	UG-FRE-203 : Developing Reading and Writing Skills Level A2.2 UG-FRE-204: Developing	UG-FRE-VOC1: French for Tourism and Hospitality Intermediate Level			

V	UG-FRE-301: Developing Reading and Writing Skills and Speaking Skills Level A2.2	UG-FRE-301: Developing Reading and Speaking Skills Level A2.2	UG-FRE- VOC2: Intermediate Level for Business Communicatio n in French			
	UG-FRE-302: Introduction to Francophoni e and Francophone Literature	UG-FRE-302: Introduction to Francophonie and Francophone Literature				
VI	UG-FRE-303: Developing Reading and Writing Skills Level B1.2	UG-FRE-303: Developing Reading and Writing Skills Level B1.2	UG-FRE- VOC3 Basic Introduction to Translation Skills			
	UG-FRE-304: Brief Overview of 17 th , 18 th and 19 th French Literature		UG-FRE- VOC4 Advanced Level of French for Travel and Tourism			
	UG-FRE-305: Advanced Level of French for Travel and Tourism		UG-FRE- VOC5: A cultural and Linguistic comparative study of India and France through multimedia.			
	UG-FRE- PRJ: (Title to be selected by the student)					

HINDI

SEME STER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPL INARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEME NT COURSE (AEC)	SKILL ENHANCEME NT COURSE (SEC)
I	UG-HIN-101: हिंदी कहानी एवं शब्दसाधन	UG-HIN-102: हिंदी गीत: परंपरा और प्रयोग	UG-HIN-MDC1: सृजनात्मक लेखन	UG-HIN-VAC 1 : योग शिक्षण UG-HIN-VAC 2: भारतीय संविधान: मूल्य, अधिकार एवं कर्तव्य		UG-HIN-SEC 1: हिंदी पथनाट्य (नुक्कड़ नाटक) UG-LAN-SEC 1: पथनाट्य (Street Play)
II	UG-HIN-103: हिंदी कविता एवं काव्य सौंदर्य	UG-HIN-104: हिंदी लघुकथा	UG-HIN-MDC2: व्यावहारिक एवं रचनात्मक लेखन	UG-HIN-VAC 3 : गोवा प्रदेश और पर्यटन	UG- HIN- AEC1: श्रवण एवं संभाषण कौशल (for MIL) UG-__-AEC2: (for English)	UG-HIN-SEC 2: हिंदी एकांकी
III	UG-HIN-201: हिंदी नाटक, वृत्तचित्र एवं फीचर फिल्म	UG-HIN- 203 :हिंदी निबंध	UG-HIN-MDC3: लोक साहित्य		UG-HIN- AEC2: वाचन एवं लेखन कौशल (for MIL)	UG-HIN-SEC3: हिंदी साहित्य और सिनेमा
	UG-HIN-202: हास्य-व्यंग्य निबंध एवं पत्रकारिता					
IV	UG-HIN-204: हिंदी साहित्य का इतिहास (आदिकाल, भक्तिकाल एवं रीतिकाल)	UG- HIN-VOC 1 हिंदी अनुवाद				
	UG- HIN-205: मध्यकालीन काव्य (चयनित कविताएँ)					
	UG-HIN-206: प्रयोजनमूलक हिन्दी: अनुवाद एवं पत्रलेखन					
	UG-HIN-207: विशेष अध्ययन: हिन्दी कहानी					
V	UG-HIN-301: हिंदी साहित्य का इतिहास (आधुनिक काल)	UG- HIN- VOC2: ई- पत्रकारिता				

	UG-HIN-302: भारतीय काव्यशास्त्र					
	UG-HIN-303: हिन्दी पत्रकारिता: मुद्रित एवं इलेक्ट्रॉनिक					
VI	UG- HIN-304: पाश्चात्य काव्यशास्त्र	UG-HIN- VOC 3 मनोरंजन क्षेत्र और हिंदी				
	UG- HIN -305: हिंदी उपन्यास					
	UG- HIN-306: हिंदी भाषा, लिपि एवं व्याकरण					
	UG-HIN-307: PROJECT					
VII	UG-HIN-401: भाषाविज्ञान	UG-HIN- 405 हिंदी महिला लेखन				
	UG-HIN-402: आधुनिक काव्य					
	UG-HIN-403: कथेत्तर गद्य साहित्य: रेखाचित्र, संस्मरण, यात्रावृत्तांत, आत्मकथा एवं जीवनी (किसी विधा की एक पाठ्यपुस्तक)					
	UG-HIN-404: नाटक एवं रंगमंच					
VIII	UG- HIN-406: भारतीय साहित्य	UG- HIN-410 हिंदी दलित लेखन				
	UG- HIN -407: हिंदी साहित्य में विविध विमर्श					
	UG-HIN-408: आलोचक और आलोचना					
	UG- HIN-409: आधुनिक हिन्दी साहित्य की वैचारिक पृष्ठभूमि					

KONKANI

SEME STER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCI PLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEME NT COURSE (AEC)	SKILL ENHANCEME NT COURSE (SEC)
I	UG-KON-101: कोंकणी साहित्याची वळख भाग 1 (कथा, कविता आनी निबंद)	UG-KON-103: गोंयचे लोकसंस्कृतायेचो अभ्यास	UG-KON- MDC 1: कोंकणी भाशेची मुळावी वळख	UG- KON- VAC 1: भलायकी आनी पोशक आहाराचो अभ्यास		UG-KON-SEC 1: कोंकणी नाटकाचो खाशेलो अभ्यास
II	UG-KON-102: कोंकणी साहित्याची वळख भाग 2 (तियात्र आनी नाटक)	UG-KON-104: कोंकणी पथनाट्यांचो अभ्यास	UG-KON- MDC 2: सोशल मिडीया आनी डिजीटल टॅक्नॉलोजीचो वापर	UG-KON- VAC 2: सैमाचो सांबाळ- समाजीक जापसालदारकी	UG-KON-AEC 1: श्रवण आनी संभाशण कौशल्य	UG-KON-SEC 2: कोंकणी तियात्राचो खाशेलो अभ्यास
III	UG-KON-201: कोंकणी भाशेचो व्याकरणीक आनी भाशाशास्त्रीय अभ्यास UG-KON-202: कोंकणी कवितेचो खाशेलो अभ्यास		UG-KON- MDC 3: माहितीपट आस्वादन आनी निर्मिती		UG-KON-AEC 2: वाचन आनी लेखन कौशल्य	UG-KON-SEC 3: प्रसारमाध्यमांचो अभ्यास
IV	UG-KON-203: कोंकणी लोकवेदाचो अभ्यास	UG-KON-VOC 1: लघुचित्रपट निर्मिती आनी आस्वादन				
	UG-KON-204: कोंकणी भास आनी साहित्याचो इतिहास - एक वळख (आरंभा साकून 1858 वर्स मेरेनचो काळ)					
	UG-KON-205: शणै गोंयबाबांचें कोंकणी अस्मिताये खातीर योगदान					
	UG-KON-206: कोंकणी कादंबरेचो खाशेलो अभ्यास					
V	UG-KON-301: कोंकणी बोलींचो अभ्यास	UG-KON-VOC 2: नाट्य आस्वादन आनी निर्मिती प्रक्रिया				
	UG-KON-302: कोंकणी चळवळीचो इतिहास- एक वळख (1858 वर्स ते 2015 वर्स मेरेनचो काळ)					

	UG-KON-303: देवनागरी कोंकणींत लिप्यंतरीत साहित्याचो अभ्यास (कन्नड आनी रोमी लिपींतल्यान)					
VI	UG-KON-304: भारतीय काव्यशास्त्राची वळख	UG-KON-VOC 3: कोंकणी प्रमाण लेखन, टंकलेखन आनी मुद्रीत शोधन कौशल्यां				
	UG-KON-305: कोंकणी भाशेच्या अध्यापनाची पद्धत					
	UG-KON-306: पाश्चात्य काव्यशास्त्राची वळख					
	UG-KON-308: कोंकणीच्या भोवआयामी व्यक्तीमत्वांचो अभ्यास वा UG-KON-PRJ: प्रकल्प	वावरांत वेंचीक				
VII	UG-KON-401: दामोदर मावजो हांच्या वेंचीक कथांचो अभ्यास	UG-KON-405: सर्जनशील साहित्य: लेखन आनी आस्वादन				
	UG-KON-402: कर्नाटक आनी केरळांतल्या वेंचीक कोंकणी साहित्याचो अभ्यास					
	UG-KON-403: अणकार- सिध्दांत आनी उपयोजन					
	UG-KON-404: कोंकणी साहित्य समिक्षा: लघु साहित्यप्रकार					
VIII	UG-KON-406: पुंडलीक नायक हांच्या वेंचीक नवलिकेचो अभ्यास	UG-KON-410: मंचीय सादरीकरण: लेखन कौशल्य आनी उपयोजन				
	UG-KON-407: कोंकणी गितांचो अभ्यास					
	UG-KON-408: कोंकणी भास आनी साहित्याचे उदरगतींत मुखेल संस्थांचें योगदान					

	UG-KON- 409: कोंकणी साहित्य समिक्षा- नाटक आनी तियात्र					
--	--	--	--	--	--	--

MARATHI

SEME STER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCI PLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEME NT COURSE (AEC)	SKILL ENHANCEME NT COURSE (SEC)
I	UG- MAR - 101 भाषिक कौशल्ये आणि व्यक्तिमत्त्व विकास	UG- MAR -102: प्रवासवर्णन	UG- MAR - MDC 1: कार्यक्रम संयोजन (इवेंट मॅनेजमेंट)	UG- MAR - VAC1: आनंदमयी जीवनशैली (Happy Lifestyle)		UG- MAR - SEC1: पथनाट्य
II	UG- MAR 103: मराठी भाषा आणि सर्जनशील लेखन कला	UG- MAR -104: सूत्रसंचालन (अकरिंग)	UG- MAR - MDC 2: पत्रकारिता: स्वरूप आणि कौशल्ये	UG- MAR - VAC 2 स्वच्छ भारत आणि पर्यावरण OR UG- MAR - VAC 3: लैंगिक समानता (Gender Equality)	UG- MAR -AEC 1: मराठी श्रवण आणि संभाषण कौशल्ये (for MIL)	UG- MAR - SEC 2: माहितीपट (डॉक्युमेंटरी) : लेखन कौशल्य आणि उपयोजन
III	UG- MAR -201: मराठी कथा: स्वरूप आणि उपयोजन (1945 ते 2000)	UG- MAR -203 : मराठी विनोदी साहित्य	UG- MAR MDC3: अभिनय कौशल्ये		UG - MAR - AEC 2: मराठी वाचन आणि लेखन कौशल्ये (for MIL)	UG- MAR - SEC 3: मराठी एकांकिका
	UG- MAR -202: आधुनिक मराठी कविता : स्वरूप व उपयोजन (आरंभ ते 2000)					
IV	UG- MAR -204: मराठी कादंबरी: स्वरूप व उपयोजन (1945 - 2000)	UG- MAR-VOC 1 - 208 भाषांतरविद्या				
	UG- MAR -205: मराठी नाटक : स्वरूप व उपयोजन(1945- 2000)					
	UG- MAR -206: गोमंतक आणि कोकण प्रदेशातील लोककला					
	UG- MAR -207: साहित्याभिरुचीचे स्वरूप					
V	UG- MAR -301: काव्यशास्त्र (भारतीय व पाश्चात्य)	UG-MAR -VOC 2 - 304 मुद्रित शोधन				

	UG- MAR -302: प्राचीन मराठी वाङ्मय : (प्रारंभ ते 1650)					
	UG- MAR -303: मराठी विज्ञान साहित्य : स्वरूप व उपयोजन					
VI	UG- MAR - 304:रसविचार आणि समीक्षाविचार	UG-MAR VOC 3 309 चित्रपट आस्वाद				
	UG- MAR -306: प्राचीन मराठी वाङ्मय : (1651 ते 1818)					
	UG- MAR -307: साहित्याचे माध्यमांतर					
	UG- 308 MAR -PRJ:					
VII	UG- MAR - 401: व्याकरण	UG- MAR -405 व्यक्तिचित्रण - एक वाङ्मयप्रकार				
	UG- MAR -402: मराठी दलित साहित्य - स्वरूप व उपयोजन					
	UG- MAR 403: आत्मचरित्र: साहित्यप्रकार आणि उपयोजन					
	UG- MAR -404: मराठी प्रादेशिक कादंबरी : स्वरूप आणि उपयोजन					
VIII	UG- MAR -406: भाषाविज्ञान	UG- MAR 410 मराठी स्त्रीवादी साहित्य - स्वरूप व उपयोजन				
	UG- MAR -407: मराठी वाङ्मयाचे सांस्कृतिक स्वरूप					
	UG- MAR -408: वैचारिक साहित्य					
	UG- MAR -409: गोमंतकीय मराठी साहित्य समीक्षा आणि संशोधन (कविता, कथा, कादंबरी, बालसाहित्य)					

GEOGRAPHY

SEM	Major Core	Minor Vocational	Multidisciplinary Course (MDC)	Value Added Courses (VAC)	Skill Enhancement Course (SEC)
I	UG-GEG-101: Introductory Physical Geography	--	UG-GEG-MDC-101: Applications of Basic GIS in Environmental Impact Assessment	UG-GEG-VAC-101: Exploring Diversity of India	UG-GEG-SEC-101: Participatory Rapid Appraisal Techniques for Social Sciences
II	UG-GEG-102: Basics of Human Geography		UG-GEG-MDC-102: Geography of Sustainable Development	UG-GEG-VAC-102: Environmental Studies	UG-GEG-SEC-102: Introduction to Digital Mapping
				UG-GEG-VAC-103: Coastal Processes, Hazards and Society	
III	UG-GEG-201: Basics of Geomorphology	---	UG-GEG-MDC-201: Basic Geospatial techniques in Environment, Forestry and Wildlife	---	UG-GEG-SEC-201: Basics Techniques in Travel and Tourism
	UG-GEG-202: Basics of Regional Geography				
IV	UG-GEG-203: Principles of Climatology and Atmospheric Science	UG-GEG-VOC-201: Basic Techniques of Field Survey in Geography			
	UG-GEG-204: Fluvial and Coastal Geomorphology				
	UG-GEG - 205: Basics of Cartography and Data Visualization				
	UG-GEG- 206: Regional Geography of India				
V	UG-GEG-301: Geography of	UG-GEG-VOC-301:			

	Population Growth	Advance Land Survey and Mapping			
	UG-GEG-302: Geography of Regional Planning and Development				
	UG-GEG-303: Basics of Research Methodology				
VI	UG-GEG-304: Advanced Climatology				
	UG-GEG-305: Economic Geography				
	UG-GEG-306: Remote Sensing: Principles, Techniques, and Applications				
	Project				
VII	UG-GEG-401: Applied Geomorphology				
	UG-GEG-402: Applied Climatology				
	UG-GEG-403: Geography of Contemporary Geopolitics				
	UG-GEG-404: Advanced Regional Planning and Development				
VIII	UG-GEG-405: Advanced Research Methodology				
	Dissertation				

HISTORY

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-HIS-101: Goa from Earliest Times to Liberation	UG-HIS-103: Concise History of Goa	UG-HIS-MDC1: Culture and Heritage of Goa	UG-HIS-VAC1: Understanding Goa: Liberation and Challenges	UG-HIS-SEC1: Heritage Tourism in Goa
				UG-HIS-VAC2: Making of the Indian Republic	
II	UG-HIS-102: Goa Since Liberation	UG-HIS-104: Cultural History of Early India	UG-HIS-MDC2: Introduction to Constitution of India	UG-HIS-VAC3: Socio-Religious Reform Movements and National Awakening	UG-HIS-SEC2: Introduction to Museology
III	UG-HIS-201: Ancient India: Pre-History to 1206 CE	UG-HIS-207: India's Struggle for Freedom	UG-HIS-MDC3: Indian Culture and Heritage		UG-HIS-SEC3: Introduction to Archives
	UG-HIS-202: Ancient Civilizations: Mesopotamia, Egypt, Greece and Rome				
IV	UG-HIS-203: Medieval India from 1206 - 1707 CE	UG-HIS-VOC1: Introduction to Archaeology			
	UG-HIS-204: Goan Heritage and Culture				
	UG-HIS-205: Early Modern Europe				

	UG-HIS-206: History of Marathas (1630 - 1818)				
V	UG-HIS-301: India in Transition: 1707 - 1858	UG-HIS- VOC2: Teaching History			
	UG-HIS-302: Modern Europe 1789 - 1945				
	UG-HIS-303: Introduction to Historical Method and Indian Historiography				
VI	UG-HIS-304: Indian National Movement	UG-HIS- VOC3: Travel and Tourism			
	UG-HIS-305: India Since Independence (1947 - 2004)				
	UG-HIS-306: Contemporary World				
	UG-HIS - PRJ: Project OR UG-HIS-307: USA in the Twentieth Century				
VII	UG-HIS-401: Debates in Indian History				
	UG-HIS-402: Issues and Debates in Goan History				
	UG-HIS-403: Early Modern Europe (1300 - 1750)				

	UG-HIS-404: Doing History				
VIII	UG-HIS-405: History and Theory				
	UG-HIS-406: Indian National Movement (1857 - 1947)				
	UG-HIS-407: Imperialism, Nationalism and Decolonization in Asia				
	UG-HIS-408: India and the Indian Ocean World				

PHILOSOPHY

SEM	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-PHI-101: Moral Philosophy	UG-PHI-101: Moral Philosophy	UG-PHI-MDC 1: Current Ethical Issues	UG-PHI-VAC 1: Value Education	UG-PHI-SEC 1: Philosophy & Films
				UG-PHI-VAC 2: Professional Ethics	
II	UG-PHI-102: Practical Ethics	UG-PHI-102: Practical Ethics	UG-PHI-MDC 2: Eco- Philosophy	UG-PHI-VAC 3: Applied Philosophy (Yoga & Practice)	UG-PHI-SEC 2: Philosophy & Theatre
III	UG-PHI-201: Logic		UG-PHI-MDC 3: Philosophy of Human Rights		UG-PHI-SEC 3: Practical Logic
	UG-PHI-204 STUDY OF WORLD RELIGIONS				
IV	UG-PHI-202: Philosophy of Religion	UG-PHI-VOC1: Philosophizing Mind and Personality			
	UG-PHI-203: Political Philosophy				
V	UG-PHI-301: Classical Indian Philosophy	UG-PHI-VOC2: Philosophy of Management			
	UG-PHI-302: Orthodox Indian Philosophy				
VI	UG-PHI-303: Ancient Greek & Medieval Philosophy	UG-PHI-VOC3: Philosophy of Law			
	UG-PHI-304: Modern Western Philosophy				
	UG-PHI-PRJ Project				
VII	UG-PHI-401: Contemporary Indian Philosophy				
	UG-PHI-402: Problems of Philosophy				
VIII	UG-PHI-403: Introduction to				

Feminist Philosophy				
UG-PHI-404: Contemporary Western Philosophy				
UG-PHI-405: Philosophy of Science				
UG-PHI-406: Symbolic Logic				

PSYCHOLOGY

SEM ESTE R	MAJOR CORE	MINOR/ VOCATI ONAL	MULTIDISCI PLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCE MENT COURSE (SEC)
I	UG-PSY-101: Basic Course in Psychology I		UG-PSY-MDC1 Interpersonal Relationships	UG-PSY- VAC1: Environmental Psychology UG-PSY- VAC2: Psychology of Health Behaviour	UG-PSY- SEC1: Self-Regulation
II	UG-PSY-102: Basic Course in Psychology II			UG-PSY- VAC3: Positive Psychology	UG-PSY- SEC2: Basic Counseling Skills
III	UG-PSY-201: Psychopathology I		UG-PSY-MDC2: Communication and Conflict Management in Groups and Teams		UG-PSY- SEC3: Communication and Interpersonal Skills
	UG-PSY-202: Personality Theories				
IV	UG-PSY-203: Psychopathology II	UG-PSY-VOC1: Fundamentals of Counselling			
	UG-PSY-204: Child Psychology				
	UG-PSY-205: Social Psychology				
	UG-PSY-206: Cognitive Psychology				
V	UG-PSY-301: Experimental Psychology	UG-PSY-VOC2: Counselling Specialities			
	UG-PSY-302: Psychology of Adolescence				
VI	UG-PSY-304: Psychological Testing	UG-PSY-VOC3: Research Process			
	UG-PSY-305: Gerontology				

	UG-PSY-306: Organizational Behaviour				
	UG-PSY-307: Criminal Psychology				
VII	UG-PSY-401: Counseling Therapies				
	UG-PSY-402: Research Designs for Psychology				
	UG-PSY-403: Statistics in Psychology				
	UG-PSY-404: Cross Cultural Psychology				
VIII	UG-PSY-405: Neurodevelopment disorders				
	UG-PSY-406: Analyzing Statistical results				
	UG-PSY-407: Research Writing				
	UG-PSY-408: Clinical skills and assessment				

SOCIOLOGY

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-SOC-101: Introducing Sociology		UG-SOC-MDC1 Social Concerns in India-I	UG-SOC-VAC1: Substance Abuse and Aids Awareness	UG-SOC-SEC1 Globalization and New Media (Digital Story Telling)
II	UG-SOC-102: Social Institutions in India		UG-SOC-MDC2: Understanding Goa's Culture	UG-SOC-VAC2: Community Engagement and Social Responsibility	
III	UG-SOC-201: Social Change and Processes		UG-SOC-MDC3 Crime and Society		UG-SOC-SEC2: Health and Society
	UG-SOC-202: Social Movements in India				
IV	UG-SOC-203: Sociology of Religion	UG-SOC-VOC1: Teaching-Learning: Theory and Practice			
	UG-SOC-204: Introduction to Sociology in India				
	UG-SOC-205: Introduction to Qualitative Research Methods				
	UG-SOC-206: Evolution of Goan Culture: Themes and Perspectives				
V	UG-SOC-301: Classical Sociology	UG-SOC-VOC2: Introduction to NGO			

		management			
	UG-SOC-302: Contemporary Issues of Indian Society	UG-SOC-INT Internship			
	UG-SOC-303: Women and Society				
VI	UG-SOC-304: Introduction to Schools of Sociological Thought	UG-SOC-VOC3: Introduction to Social Work			
	UG-SOC-305: Issues of Women in Contemporary India				
	UG-SOC-306: Contemporary Issues of Goan Society UG-SOC-PRJ: Mini-Project or UG-SOC-307: Rural Sociology				
VII	UG-SOC-401: Indian Diaspora				
	UG-SOC-402: Indian Sociological Perspectives				
	UG-SOC-403: Sociology of Health				
	UG-SOC-404: Quantitative Research Methods				

VIII	UG-SOC-405: Contemporary Sociological Theories				
	UG-SOC-406: Sociology of Education				
	UG-SOC-407: Sociology of Aging				
	UG-SOC-408: Sociology of Tourism				

DEPARTMENT WISE LIST OF COURSES

Bachelor of Science - B. Sc.

BIOTECHNOLOGY (Self Finance)

SEMESTER	MAJOR CORE	MINOR/ VOCATIONA L	MULTIDISCIPLI NARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEMEN T COURSE (SEC)
I	UG-BIO-101: Biomolecules	UG-BIO-102: Cell Biology	UG-BIO-MDC1: Food and Fermentation Technology	UG-BIO-VAC1: Nutrition and Dietetics	UG-BIO-SEC1: Mushroom Cultivation
II	UG-BIO-103: Basic Microbiology	UG-BIO-104: Fundamental Genetics	UG-BIO-MDC2: Basics of Biodiversity	UG-BIO-VAC2: Intellectual Property Rights and patents	UG-BIO-SEC2: Environmental Sustainability
III	UG-BIO-201: Cell and Molecular Biology	UG-BIO-203: Human Physiology	UG-BIO-MDC3: Composting Technology		UG-BIO-SEC3: Biostatistics
	UG-BIO-202: Enzymology				
IV	UG-BIO-204: Immunology	UG-BIO-VOC4: Basics of Plant and Animal Sciences			
	UG-BIO-205: Molecular Genetics				
	UG-BIO-206: Plant and Animal Physiology				
	UG-BIO-207: Tools and Techniques in Biotechnology				
V	UG-BIO-301: Concepts in Genetic Engineering	UG-BIO-VOC2: Bioethics and Biosafety			
	UG-BIO-302: Environmenta l Biotechnology				
	UG-BIO-303: Plant				

	Biotechnology				
VI	UG-BIO-304: Industrial Biotechnology	UG-BIO- VOC3: Food Biotechnology			
	UG-BIO-305: Bioinformatics				
	UG-BIO-306: Animal Cell Culture				
	PROJECT (from Major discipline):04 credits				
VII	UG-BIO-401: Metabolism of Biomolecules	UG-BIO-308: Nano- Biotechnology			
	UG-BIO-402: Cell biology (II) and Development al Biology				
	UG-BIO-403: Advanced Genetics and Molecular Biology				
	UG-BIO-404: Molecular Medicine				
VIII	UG-BIO-405: Advanced Plant and Animal Physiology	UG-BIO-309: Forensics Sciences			
	UG-BIO-406: Molecular Ecology and Systems Biology				
	UG-BIO-407: Genomics and Proteomics				
	UG-BIO-408: Marine Biotechnology				

BOTANY

SEMESTER	MAJOR (4 credits/course)	MINOR/ VOCATIONAL (4 credits/course)	MDC (3credits/course)	SEC (3 credits/course)
I	UG-BOT-101 Diversity of Lower Plants (Microbes, Algae, Fungi)	UG-BOT-101 Diversity of Lower Plants (Microbes, Algae,Fungi)- (Minor same as major)	UG-BOT-MDC 1 Plant Animal Interaction	UG-BOT- SEC 1 Basics in Horticulture
II	UG-BOT-102 Cell Biology and Biomolecules	UG-BOT-102 Cell Biology and Biomolecules- (Minor same as major)	UG-BOT-MDC 2 Ethno botanical Concept	UG-BOT-SEC 2 Algal Biotechnology
III	UG-BOT-201 Diversity of Lower Plants II (Bryophytes, Pteridophytes, Gymnosperms)	UG-BOT-203 Plant pathology	UG-BOT-MDC 3 Evolutionary biology	UG-BOT-SEC 3 Microbiology
	UG-BOT-202 Economic Botany			
IV	UG-BOT-204 Plant Anatomy	UG-BOT-VOC 1 Horticulture, Floriculture & Landscaping		
	UG-BOT-205 Cytogenetics			
	UG-BOT-206 Plant breeding and Biostatistics			
	UG-BOT-207 Ecology and conservation			
V	UG-BOT-301 Plant Physiology	UG-BOT-VOC 2 Herbal Cosmetology		
	UG-BOT-302 Systematics of flowering plants			
	UG-BOT-303 Techniques and Instrumentation			
VI	UG-BOT-305 Plant Genetic engineering	UG-BOT-VOC 3 Applied Mycology		

	UG-BOT-306 Plant Molecular biology			
	UG-BOT-307 Plant tissue culture			
	UG-BOT-PRJ: Minor Project			
VII	UG-BOT-401 Plant Drug Technology and Pharmacognosy	UG-BOT-405 Ethno botanical Concept		
	UG-BOT-402 Bioinformatics			
	UG-BOT-403 Enzymes and Molecular pathways			
	UG-BOT-404 Organic Farming			
VIII	UG-BOT-406 Plant Biotechnology	UG-BOT-410 Bioresource Management		
	UG-BOT-407 Plant Embryology			
	UG-BOT-408 Plant Biochemistry			
	UG-BOT-409 Industrial Botany			

CHEMISTRY

SEMESTER	MAJOR CORE	MINOR/VOCATIONAL	DOUBLE MAJOR	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-CHE-101 General Chemistry-I	UG-CHE-101 General Chemistry-I	-	UG-CHE-MDC1 Basics in Chemistry UG -CHE-MDC2 Essentials of Chemistry	UG-CHE-VAC1 Environmental monitoring UG-CHE-VAC2 Ethics in Science	UG-CHE-SEC1 Everyday Chemistry: From Food to Cleaners UG-CHE-SEC2 Basic Laboratory Methods and Safety in Chemistry
II	UG-CHE-102 General Chemistry-II	UG-CHE-102 General Chemistry-II	-	UG-CHE-MDC1 Basics in Chemistry UG-CHE-MDC2 Essentials of Chemistry	UG-CHE-VAC1 Environmental monitoring UG-CHE-VAC2 Ethics in Science	UG-CHE-SEC3 Chemistry of Water and Soil
III	UG-CHE-201 Concepts in Chemistry-I UG-CHE-202 Concepts in Chemistry-II	UG-CHE-207 Concepts in Chemistry -III	-	UG-CHE-MDC5 Fundamentals of Chemistry	-	UG-CHE-SEC4 Basics of Analytical Chemistry
IV	UG-CHE-203 Selected Topics in Physical Chemistry	UG-CHE -VOC1 Spectroscopic Techniques	UG-CHE-203 Selected Topics in Physical Chemistry	-	-	-
	UG-CHE-204 Selected Topics in Organic Chemistry	-	UG-CHE-205 Selected Topics in Inorganic Chemistry	-	-	-
	UG-CHE-205 Selected Topics in Inorganic	-	-	-	-	-

	Chemistry					
	UG-CHE-206 Introduction to Pharmaceutical Chemistry	-		-	-	-
V	UG-CHE-301 Advanced Physical Chemistry -I	UG-CHE - VOC2 Analytical techniques	UG-CHE-301 Advanced Physical Chemistry - I	-	-	-
	UG-CHE-302 Advanced Organic Chemistry -I	-	UG-CHE-302 Advanced Organic Chemistry - I	-	-	-
	UG-CHE-303 Advanced Inorganic Chemistry -I	-	-	-	-	-
VI	UG-CHE-304 Advanced Physical Chemistry -II	UG-CHE - VOC3 Industrial Process	UG-CHE-305 Advanced Organic Chemistry - II	-	-	-
	UG-CHE-305 Advanced Organic Chemistry -II	-	UG-CHE-306 Advanced Inorganic Chemistry - II	-	-	-
	UG-CHE-306 Advanced Inorganic Chemistry -II		UG-CHE-PRJ Project			
	UG-CHE-PRJ Project	-	UG-CHE-307 Environmental and Sustainable Chemistry	-	-	-
	UG-CHE-307 Environmental and Sustainable Chemistry					

VII	UG-CHE-401 Bio-Inorganic Chemistry/ Coordination Chemistry	Minor Stream UG-CHE- 409 Selected Topics in Inorganic and Organic Chemistry				
	UG-CHE-402 Surface Chemistry and Catalysis					
	UG-CHE-403 Stereochemis try and Name Reaction					
	UG-CHE-404 Research Methodology					
VIII	UG-CHE-405 Organometall ic Chemistry	Minor Stream UG-CHE- 410 Selected Topics in Analytical and Physical Chemistry				
	UG-CHE-406 Electrochemi stry					
	UG-CHE-407 Heterocyclic Chemistry OR Synthetic Organic Chemistry					
	UG-CHE-408 Nanomateria ls and Solid State Reactions					

COMPUTER SCIENCE

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-COM-101: Introduction to Programming	UG-COM-101: Introduction to Programming	UG-COM-MDC	UG-COM- VAC	UG-COM-SEC
II	UG-COM-102: Database Management Systems	UG-COM-102: Database Management Systems			
III	UG-COM-201: Data Structures	UG-COM-207: Foundations of Data Science with Python			
	UG-COM-202: Object Oriented Programming				
IV	UG-COM-203: Computer Architecture and Operating System	UG-COM-VOC-1: Mobile Application Development			
	UG-COM-204: Mathematical Foundations for Computer Science				
	UG-COM-205: Web Development with PHP				
	UG-COM-206: Software Engineering				
V	UG-COM-301: Full Stack Development	UG-COM-VOC-2: Digital Marketing			
	UG-COM-302: Advanced DBMS	UG-COM-VOC-3: Internet of Things			
	UG-COM-303: Computer Networks				
VI	UG-COM-304: Data Science	UG-COM-VOC-5: Cloud Computing			

	UG-COM-307: Software Architecture and Design Patterns				
	UG-COM-308: Generative Artificial Intelligence				
	UG-COM-PRJ: Project				
VII	UG-COM-401: Design and Analysis of Algorithms				
	UG-COM-402: Artificial Intelligence				
	UG-COM-403: Information Retrieval				
	UG-COM-406: Network Security				
VIII	UG-COM-404: Deep Learning				
	UG-COM-407: Develops and Cloud Native Application Development				
	UG-COM-408: Natural Language Processing				
	UG-COM-409: Cyber Security and Ethical Hacking				

- Note :1. SEC will be offered from the pool of approved syllabus.
2.MDC will be offered from the pool of approved syllabus.
3.VAC will be offered from the pool of approved syllabus.
4.VOC will be offered from the pool of approved syllabus.

SEC Pool

Course Codes	CourseTitle
UG-COM-SEC 1 -	Programming with R
UG-COM-SEC 2	Programming in Python
UG-COM-SEC 3	UI/UX Design
UG-COM-SEC 4	E-Commerce
UG-COM-SEC 6	Front End Web Development

MDC Pool

Course Codes	CourseTitle
UG-COM-MDC2	Introduction to Python Programming
UG-COM-MDC3	E-Learning
UG-COM-MDC5	Fundamentals of Data Analysis
UG-COM-MDC7	Fundamentals of Human-Computer Interaction
UG-COM-MDC8	Web Design
UG-COM-MDC1	AI Tools for Media and Data Applications

VAC Course:

Sr. No.	Course Code and Title
UG-COM-VAC1	Cyber Security
UG-COM-VAC2	Cyber Fraud Prevention and Response
UG-COM-VAC3	Design Thinking

VOC Pool

Course Code	Course Title
UG-COM-VOC-1	Mobile Application Development
UG-COM-VOC -2	Digital Marketing

UG-COM-VOC -3	Internet of Things
UG-COM-VOC -4	Software Testing
UG-COM-VOC -5	Cloud Computing

ENVIRONMENT SCIENCE AND IMPACT ASSESSMENT (Self finance)

SEMESTER	DISCIPLINE-SPECIFIC CORE COURSES (DSC) (4credits/course)	MINOR/VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC) (3 credits each)	VALUE ADDED COURSE (VAC) (2 credits each)	SKILL ENHANCEMENT COURSES (3 credits/course)
I	UG-ESIA-101: Ecology, Ecosystem and Biodiversity	UG-BIO-101: Biomolecules	MDC 1	UG-BIO-VAC1: Nutrition and Dietetics	UG-BIO-SEC1: Mushroom cultivation
				VAC2: Indian Constitution	
II	UG-ESIA-102: Environment Issues, Perspectives and Policies	UG-BIO-103: Basic Microbiology	MDC 2	UG-BIO-VAC 2: Intellectual Property rights and patents	UG-BIO-SEC2: Elementary tools for visualization of Biological data
III	UG-ESIA-201: Conservation Biology	UG-BIO-201: Cell and Molecular Biology	MDC3		UG-BIO- SEC3: Biostatistics
	UG-ESIA-202: Physics and Chemistry of Environment				
IV	UG-ESIA-203: Climate change and Sustainability	VOC 1: Bioentreprene urship			
	UG-ESIA-204: Geographical Information System and Remote Sensing				
	UG-ESIA-205: Mineral Resources and Management				

	UG-ESIA-206: Environmental Evaluation				
V	UG-ESIA-301: Polar and Marine ecology	VOC 2: Instrumentation Techniques			
	UG-ESIA-302: Waste Treatment Technology				
	UG-ESIA-303: Water Resources				
	Internship: 4 credits				
VI	UG-ESIA-305: Forest and wildlife management	VOC 3: Drones Technology for Environmental Science			
	UG-ESIA-306: Energy Resources				
	UG-ESIA-307: Environment Risks and hazard management				
	Minor Project (4 credits)				

GEOLOGY

SEMESTER	MAJOR	MINOR/ VOCATIONA L	MULTI- DISCIPLINAR Y COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMEN T COURSE (SEC)
I	UG-GEL-101: Fundamentals of Geology	UG-GEL-101: Fundamentals of Geology	UG-GEL- MDC1: Natural Hazard Management UG-GEL- MDC2: Historical Geology UG-GEL- MDC4: Mineral Resources of India	UG-GEL- VAC1:Minera l and Water Resource Management and Sustainable Practices UG-GEL- VAC2: Geological Indicators and Climate Change	UG-GEL-SEC1: Exploratory Drilling and Drillhole Data Management
II	UG-GEL-102: Earth Dynamics and Tectonism	UG-GEL-102: Earth Dynamics and Tectonism		UG-GEL- VAC2: Geological Indicators and Climate	UG-GEL-SEC2: Field Techniques for Geological Mapping
III	UG-GEL-201: Optical Mineralogy	UG-GEL-203: Earth Processes and Landforms	UG-GEL- MDC3: Physical Geology		UG-GEL-SEC3: Gemmology
	UG-GEL-202: Stratigraphy and Paleontology				
IV	UG-GEL-203: Mineralogy	UG-GEL- VOC1: Occupational Health and Safety			
	UG-GEL-204: Ore Genesis				
	UG-GEL-205: Geotectonics				
	UG-GEL-206: Sedimentary Petrology				
V	UG-GEL-301: Petrogenesis of Igneous Rocks	UG-GEL- VOC2: Groundwater Exploration Techniques			
	UG-GEL-302: Rock Mechanics and Rock Structures				

	UG-GEL-303: Geophysical Exploration and Mining Methods				
VI	UG-GEL-304: Remote Sensing and GIS for Geosciences	UG-GEL- VOC3: Petroleum Geology and Exploration Techniques			
	UG-GEL-305: Metamorphic Petrology				
	UG-GEL-306: Stratigraphy of India and Field Geology				
	UG-GEL-PRJ: Minor Project				
VII	UG-GEL-401: Geochemistry and Geochronology				
	UG-GEL-402: Engineering Geology and Geotechnical Applications				
	UG-GEL-403: Rock Microstructure s and Deformation				
	UG-GEL-404: Ocean Sciences				
VIII	UG-GEL-405: Watershed Management				
	UG-GEL-406: Advanced Igneous Petrology				
	UG-GEL-407: Geological Field Training				
	UG-GEL-408: Disaster Risk Reduction				

MATHEMATICS

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-MAT-101: Basic Algebra	UG-MAT-101: Basic Algebra OR UG-MAT-102: Basic Calculus	UG-MAT-MDC1: Descriptive Statistics	UG-MAT-SEC1: Differential Equations I
II	UG-MAT-103: Basic Real Analysis	UG-MAT-103: Basic Real Analysis OR UG-MAT-104: Mathematics for	UG-MAT-MDC2: Mathematics for Competitive Exams	UG-MAT-SEC2: Operations Research I
III	UG-MAT-201: Mathematical Analysis I	UG-MAT-203: Combinatorics	UG-MAT-MDC3: Probability and Inferential Statistics	UG-MAT-SEC3: Numerical Methods
	UG-MAT-202: Algebra I			
IV	UG-MAT-204: Mathematical Analysis II	UG-MAT-VOC1: Pedagogy of Mathematics		
	UG-MAT-205: Linear Algebra			
	UG-MAT-206: Number Theory I			
	UG-MAT-207: Coordinate Geometry			
V	UG-MAT-301: Calculus of Several Variables	UG-MAT-VOC2: Probability and Statistics		
	UG-MAT-302: Graph Theory			
	UG-MAT-303: Advanced Analysis			
VI	UG-MAT-305: Vector Analysis	UG-MAT-VOC3: Operations Research Techniques		
	UG-MAT-306: Complex Analysis			
	UG-MAT-307:			

	Metric Spaces			
	UG-MAT-308: Differential Equations II			
VII	UG-MAT-401: Algebra II			
	UG-MAT-402: Advanced Analysis II			
	UG-MAT-403: Topology			
	UG-MAT-404: Number Theory II			
	UG-MAT-405: Computational Linear Algebra			
VIII	UG-MAT-406: Measure Theory			
	UG-MAT-407: Partial Differential Equations			
	UG-MAT-408: Rings and Modules			
	UG-MAT-409: Functional Analysis			
	UG-MAT-410: Cryptography			

PHYSICS

SEMESTER	MAJOR CORE	MINOR/ VOCATIONA L	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-PHY-101: Mechanics-I	UG-PHY-102: Mechanics, Sound and Properties of Matter	UG-PHY-MDC1: General Physics: Fluids and Heat Or UG-PHY-MDC4: Introduction to Astronomy	UG-PHY- VAC2: Environmental Physics	UG-PHY-SEC1: Introduction to Mathematical Physics-I Or UG-PHY-SEC4: Python programming fundamentals and mathematical techniques
II	UG-PHY-103: Electricity and Magnetism	UG-PHY-104: Electricity, Magnetism and Electronics	UG-PHY-MDC2: General Physics: Light and atoms	UG-PHY- VAC1 Eminent Indian physicists and their contribution	UG-PHY-SEC2: Introduction to Mathematical Physics-II Or UG-PHY-SEC5: Matrices and Differential Equations
III	UG-PHY-201: Electromagnetic Theory-I	UG-PHY- 211: Wave Optics and Elementary Modern Physics	UG-PHY- MDC3: General Physics: Nucleus, Relativity and Beyond Or UG-PHY-MDC5: Stars, Galaxies and Cosmology		UG-PHY-SEC3: Introduction to Error Analysis Or UG-PHY-SEC6: Numerical Techniques
	UG-PHY-202: Optics				
	UG-PHY-204: Oscillation, Waves and Sound				
IV	UG-PHY-203: Modern Physics	UG-PHY- VOC1: Computational			

		Physics			
	UG-PHY-206: Quantum Mechanics				
	UG-PHY-207: Heat and Thermodynamics				
	UG-PHY-208: Electronics-I				
	UG-PHY-209: Properties of Matter and Acoustics				
	UG-PHY-210: Introduction to Astronomy and Astrophysics				
V	UG-PHY-301 Electromagnetic Theory-II	UG-PHY- VOC2 Tools and Techniques for Computational Material Science			
	UG-PHY-302 Solid State Physics	UG-PHY- VOC3 Solid State Devices			
	UG-PHY-303 Thermodynamics and Statistical Mechanics				
VI	UG-PHY-305 Atomic and Molecular Physics	UG-PHY- VOC4 Instrumentatio n Or UG-PHY- VOC5 Analog and Digital Electronics			
	UG-PHY-306 Mechanics II				
	UG-PHY-307 Nuclear and Elementary Particle Physics				

	UG-PHY-308 Introduction to Special Theory of Relativity				
	UG-PHY-PRJ: Project				
VII	UG-PHY-401: Mathematical Physics				
	UG-PHY-402: Classical Mechanics and Special Theory of Relativity				
	UG-PHY-403: Electronics-II				
	UG-PHY-404: Electronics Laboratory				
VIII	UG-PHY-405: Advanced Electromagnetic Theory				
	UG-PHY-406: Quantum Mechanics II				
	UG-PHY-407: Statistical Mechanics				
	UG-PHY-408: General Physics Laboratory				

ZOOLOGY

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEM ENT COURSE (SEC)
I	UG-ZOO-101: Animal Diversity: Non- Chordates & Chordates	UG-ZOO-102: Introduction to Animal Diversity	UG-ZOO-MDC 1: Nutrition and Diet Plans	UG-ZOO- VAC 1: Environment Protection Practices	UG-ZOO-SEC 1: Waste Management Techniques
			UG-ZOO-MDC 4: Basics in Wildlife Photography		
II	UG-ZOO-103: Cell and Molecular Biology	UG-ZOO-104: Techniques Of Cell Study & Chemistry	UG-ZOO- MDC2: Techniques of Fish Preservation and Processing	UG-ZOO- VAC 2: Sustainable Development Goals - Life Below Water and on Land	UG-ZOO-SEC 2: Bio Entrepreneurship
			UG-ZOO- MDC5: Zoonotic diseases of Public Health Importance		
III	UG-ZOO-201: Fundamentals of Animal and Human Genetics	UG-ZOO-203: Inheritance Pattern of Genetic Traits and Diseases	UG-ZOO- MDC3: Aquarium maintenance: Freshwater and Marine fishes		UG-ZOO- SEC 3: Biological Data Analysis
	UG-ZOO-202: Biochemistry and Metabolic Regulation				
IV	UG-ZOO-204: Endocrinology & assisted reproductive technologies	UG-ZOO- VOC1: Research Methodology for Biological sciences			
	UG-ZOO-205: Basic Microbiology and Fundamentals of Animal Biotechnology				
	UG-ZOO-206: Immunology				

	UG-ZOO-207: Techniques of Fish processing, Preservations and Aquarium maintenance				
V	UG-ZOO-301: Health & Nutrition	UG-ZOO-VOC2: Wildlife Photography			
	UG-ZOO-302: Developmental Biology				
	UG-ZOO-303: Ecology and Environment Toxicology				
	UG-ZOO-PRJ Project(a)				
VI	UG-ZOO-304: Molecular genetics and Basics of Forensic Science	UG-ZOO-VOC3: Ecotourism			
	UG-ZOO-305: Wildlife Biology and Ethology				
	UG-ZOO-306: Human Physiology				
	UG-ZOO-PRJ Project (b)				
VII	UG-ZOO-401: Parasitology and vector borne diseases	UG-ZOO-VOC4: Techniques in Biological research			
	UG-ZOO-402: Transgenic Animal Technology				

	UG-ZOO-403: Techniques in Conservation Biology				
	UG-ZOO-404: Animal Cell Culture and Applications				
VIII	UG-ZOO-405: Population Genetics	UG-ZOO-VOC5: Learner centric T- L-E pedagogies			
	UG-ZOO-406: GIS in Wildlife Monitoring				
	UG-ZOO-407: Economic Zoology				
	UG-ZOO-408: Tissue Engineering				



Fatorda, Gogol, Margao, Goa-403602
Phone: 0832-2722222, Fax: 0832-2759067

 www.chowgules.ac.in

 principal@chowgules.ac.in