



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

BACHELOR OF ARTS(B.A.)

2024-25

Contents

ABOUT THE COLLEGE	3
PROGRAMMES OFFERED BY THE COLLEGE	6
PROGRAMMES IN BACHELOR OF ARTS (B.A.)	7
CREDITS FOR EXTRACURRICULAR COMPONENT.....	17
ADMISSION.....	17
STUDENT RESOURCES.....	19
CODE OF CONDUCT.....	22
ADMINISTRATION.....	25
SCHOLARSHIPS AND PRIZES	25
CONTACT DETAILS	26
DEPARTMENT WISE LIST OF COURSES	28

ABOUT THE COLLEGE

INTRODUCTION

Parvatibai Chowgule College of Arts and Science is a premier educational institution in the State of Goa, offering courses at the Graduate and Postgraduate levels as well as Ph.D. programmes. 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, this 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.

Our 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 Arts, Science, and the Vocational streams. Today, the College offers twenty-three undergraduate and seven 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, and Sociology*. 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 *B.Voc. in Software Development*.

The various Post Graduate degree programmes offered are *M.Sc. in Information Technology, M.Sc. in Analytical Chemistry, M.Sc. in Geoinformatics, 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), Post Graduate Diploma in Geoinformatics (PGDGIS) 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 institutes. Under this, regular faculty and student exchange programmes are regularly initiated wherein the students can pursue their programme at a foreign University for a semester or for an academic year and can avail transfer of credits.

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, and Sociology.*

(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 Science: Information Technology

(b) Masters of Science: Analytical Chemistry

(c) Masters of Science: Geoinformatics

(d) Masters of Science: Life Science

(e) Masters of Arts: Geography

(f) Masters of Arts: Child Psychology and Child— Development

(g) Masters of Arts: English

POSTGRADUATE DIPLOMA PROGRAMMES

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

(b) Post Graduate Diploma in Geoinformatics (P.G.D.G.I.S.)

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

Ph.D. PROGRAMMES

Geography

III

PROGRAMMES IN BACHELOR OF ARTS (B.A.)

The following B.A. programmes are offered:

- English
- French
- Hindi
- Konkani
- Marathi
- Economics
- Geography
- History
- Philosophy
- Psychology
- Sociology#

#Third Year under Self-financed Programme

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 of Arts 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.*

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

NEP 2020 allows students to 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 05 credits cumulatively across these activities which shall be non-Evaluative and optional 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 No.	Broad Category of Course	Minimum Credit Requirement	
		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. Group to Select Discipline-Specific course

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, Economics cannot be opted as minor and vice versa. But with English as major, Sociology from group 2 can be opted as minor and vice versa.

Group 1
Economics
English

Group 2
Sociology
Marathi
French

Group 3
Konkani
History
Philosophy

Group 4
Psychology
Geography
Hindi

IV

CREDITS FOR EXTRACURRICULAR COMPONENT

The following categories of extra-curricular activities are available to students under the undergraduate curriculum of 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)

V

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 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.

VI

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 an ongoing international student-teacher exchange programme with institutions of higher learning in Sweden, Japan 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

5. 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, Paw club, 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: 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: Dr. (Ms). 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.

IX

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; Merit scholarship; Student Aid fund assistance and Private scholarship. For more details refer to the College Handbook 2024-25.

CONTACT DETAILS

Name	Designation	Department	Email ID
Prof.(Dr.) Sangeeta Sankhalkar	Principal	Botany	principal@chowgules.ac.in
Mr. Kumaresh V. C.	Vice-Principal	Computer Science	vp@chowgules.ac.in
Dr. Meghana Devli	Academic Dean	Geology	msd001@chowgules.ac.in
Mr. D. Prabakaran	Controller of Examination	Computer Science	vdp001@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. G. K. Naik	Head of the Department	Chemistry	gkn001@chowgules.ac.in
Dr. Sameena Falleiro	Head of the Department	Computer Science	ssf001@chowgules.ac.in
Ms. Danielle Monteiro	Incharge of the Department	Mathematics	dcm001@chowgules.ac.in
Dr. Ashish Desai	Incharge of the Department	Physics	amd006@chowgules.ac.in
Prof (Dr.) Nandini Vaz Fernandes	Head of the Department	Zoology	nvf001@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 S. Naik Tari	Head of the Department	History	sst001@chowgules.ac.in
Dr. Sobita V. Kirtani	Incharge of the Department	Psychology	svk004@chowgules.ac.in
Ms. Saroj Usgaonkar	Incharge of the Department	Philosophy	sau002@chowgules.ac.in
Dr. Sachin S. Moraes	Incharge of the Department	Sociology	ssm005@chowgules.ac.in
Dr. Sonia Fernandes Da Costa	Incharge 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

BACHELOR OF ARTS - B.A

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-102 Understanding Poetry & Drama (Minor)	UG-ENG-AEC1 Effective English Communication	UG-ENG-VAC1 E-Portfolio	UG-ENG-SEC1 Creative Writing for Beginners
		UG-ENG-105 Introduction to Poetry & Drama (Minor)	UG-ENG-AEC2 Academic Writing I	UG-ENG-VAC3 Exploring Indian Literature	UG-ENG-SEC4 Building ePortfolio
					UG-ENG-SEC7 Reading Literature
II	UG-ENG-104 Understanding Fiction	UG-ENG-104 Understanding Fiction (Minor)	UG-ENG-AEC2 Academic Writing I	UG-ENG- VAC4 Literature and Environment	UG-ENG-SEC5 Creative Writing Skills I
			UG-ENG-AEC3 Academic Writing II		
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-212: Media Writing I (2C)				
IV	UG-ENG-208: New Literatures in English	UG-ENG-210 New Literatures in English (Minor)			
	UG-ENG-213: Media Writing II (2C)				
	UG-ENG-205: Introduction to Linguistics II (2C)				

	UG-ENG-207: Literature of Indian Diaspora				
	UG-ENG-209: American Literature of the Twentieth Century				
V	UG-ENG-301: Goan Literature & Culture	UG-ENG-VOC1: Film Studies (VOC1)			
	UG-ENG-302: World Literature				
	UG-ENG-303: Visual Literature				
VI	UG-ENG-304: Literary Criticism	UG-ENG-VOC2 : English Language & Literature Teaching (VOC2)			
	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-405: Nineteenth Century English Literature (Minor)			
	UG-ENG-404: Contemporary Literary Theory				
	UG-ENG-402: Shakespeare Today				
	UG-ENG-403: Film Studies				
VIII	UG-ENG-406: Twentieth Century English Literature	UG-ENG-410: Twentieth Century English Literature (Minor)			
	UG-ENG-408: English Language & Literature Teaching				

	UG-ENG-407: Latin American Literature				
	UG-ENG-409: Representation of Gender and Sexuality in Literature				

FRENCH

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-FRE-101 : 'La Connexion Française' - Developing Reading and Writing Skills Level A1.1	UG-FRE-101 : 'La Connexion Française' - Developing Reading and Writing Skills Level A1.1	UG-FRE- MDC2: 'A Votre Service' : Beginners Level for Tourism and Hospitality	UG-FRE-SEC1 : Parlez-vous français? Mais Oui!" - Developing Listening and Speaking Skills Level A1.1
II	UG-FRE-102 : ' La Connexion Française - un cranau-dessus!' Developing Reading and Writing Skills Level A1.2	UG-FRE-102 : ' La Connexion Française - un cranau-dessus!' Developing Reading and Writing Skills Level A1.2	UG-FRE-MDC3: Embarquons à bord.. Allons un peu plus loin' : French Language at Elementary Level- A1.1 Level	UG-FRE-SEC2 : 'Prêt à Parler!' Developing Listening and Speaking Skills Level A1.2
			UG-FRE-MDC4: 'Formation Pratique au Tourisme et à l'Hôtellerie' - Elementary Level for Tourism and Hospitality	
III	UG-FRE-201 : 'Vers une 30odern30nce linguistique pour une communication efficace': Developing Reading and Writing Skills Level B1.1		UG-FRE-MDC5: 'C'est la vie à la française' - Contemporary French Society: A Cultural and Social Exploration	UG-FRE-SEC3 : 'Tourism et Hôtellerie - Compétences Professionnelles' : French for Tourism and Hospitality Intermediate Level
			UG-FRE-MDC 6: 'Petit rendez-vous avec la littérature française' : Study of Selected Elementary Text in French	

	UG-FRE-202 : 'Le Français de l'au-delà des frontières' Introduction to Francophony			
IV	UG-FRE-203 : 'Parler et écrire couramment en français': Developing Reading and Writing Skills Level B1.2	UG-FRE-VOC1: 'Le Chemin vers la Traduction: Les Bases du Métier' -:Basic Introduction to Translation Skills		
	UG-FRE-204: 'Un coup d'œil dans le monde de la littérature française' - Overview of 17 th /18 th / 19 th French Literature			
	UG-FRE-205: 'L'Inde et la France : étude comparative culturelle et linguistique' : A cultural and linguistic comparative study of India and France through multimedia.			
V	UG-FRE-301: 'Sur la Voie de la Maîtrise!' : Developing Reading and Writing Skills Level B2.1	UG-FRE-VOC2: Le Monde des Affaires': Intermediate Level for Business Communication in French		
	UG-FRE-302: 'La Littérature Diasporique' : Study of contemporary migrant literature			
VI	UG-FRE-303: 'Ecrire et Parler - Comme un Pro!': Developing Reading and Writing Skills Level B2.2	UG-FRE-VOC3: 'Maître Voyageur': Advanced Level of French for Travel and Tourism		

	UG-FRE-304: 'Découvrir la Richesse de la littérature francophone': Introduction to Francophone Literature			
	UG-FRE-305: 'Apprécier la littérature française 32odern': Study of selected texts of Contemporary French Literature			
	UG-FRE-PRJ: (Title to be selected by the student)			

HINDI

SEME STER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-HIN-101: हिंदी कहानी एवं शब्दसाधन	UG-HIN-10: हिंदी गीत: परंपरा और प्रयोग	UG-HIN-MDC1: सृजनात्मक लेखन	UG-HIN-VAC: योग शिक्षण UG-HIN-VAC 2 भारतीय संविधान: मूल्य, अधिकार एवं कर्तव्य		UG-HIN-SEC: हिंदी पथनाट्य (नुक्कड़ नाटक)
II	UG-HIN-103: हिंदी कविता एवं काव्यसौंदर्य	UG-HIN-10: हिंदी लघुकथा	UG-HIN-MDC: व्यावहारिक एवं रचनात्मक लेखन	UG-HIN-VAC: गोवा प्रदेश और पर्यटन	UG-HIN-AEC1: श्रवण एवं संभाषण कौशल (for MIL) UG-__-AEC2: (for English)	UG-HIN-SEC: 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: विशेष अध्ययन: हिंदी उपन्यास					
	UG- HIN-306: हिंदी भाषा, लिपि एवं व्याकरण					
	UG-307HIN-PRJ:					
VII	UG-HIN-401: भाषाविज्ञान	UG-HIN-405 हिंदी महिला लेखन				
	UG-HIN-402: मीडिया लेखन: रेडियो एवं टेलीविजन					
	UG-HIN-403: कथेतर 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-SEC1 कोंकणी नाटकाचो खाशेलो अभ्यास
II	UG-KON-102 कोंकणी साहित्याची वळख भाग 2 (तियात्र आनी नाटक)	UG-KON-104 कोंकणी पथनाट्याचो अभ्यास	UG-KON-MDC2 सोशल मिडीया आनी डिजीटल टॅक्नॉलोजीचो वापर	UG-KON-VAC2 सैमाचो सांबाळ- समाजीक जापसालदारकी	UG-KON-AEC1 कोंकणी वाचन लेखन कौशल्य	UG-KON-SEC2 कोंकणी तियात्राचो खाशेलो अभ्यास
III	UG-KON-201 कोंकणी भाशेचो व्याकरणीक आनी भाशाशास्त्रीय अभ्यास		UG-KON-MDC3 माहितीपट आस्वादन आनी निर्मिती		UG-KON-AEC2 कोंकणी एकांकीचो अभ्यास	UG-KON-SEC3 प्रसारमाध्यमांचो अभ्यास
	UG-KON-202 कोंकणी कवितेचो खाशेलो अभ्यास					
IV	UG-KON-203 कोंकणी लोकवेदाचो अभ्यास	UG-KON-207 अनुवाद अभ्यास UG-KON-VOC1 लघुफिल्म आस्वादन आनी निर्मिती				
	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-307 वेंचीक कोंकणी अणकारीत कादंबरेचो अभ्यास UG-KON-VOC2 नाटक निर्मीती आनी आस्वादन				
3	UG-KON-302 कोंकणी चळवळीचो इतिहास- एक वळख (1858 वर्स ते 2000 वर्स मेरेनचो काळ)					
	UG-KON-303 देवनागरी कोंकणींत लिप्यंतरीत साहित्याचो अभ्यास (कन्नड आनी रोमी लिपींतल्यान)					
VI	UG-KON-307 प्रकल्प					
	UG-KON-304 भारतीय काव्यशास्त्राची					

	वळख					
	UG-KON-305 कोंकणी अध्यापनाची पद्दत					
	UG-KON-306 पाश्चात्य काव्यशास्त्राची वळख					
VII	UG-KON-401 कोंकणी कथेचो खाशेलो अभ्यास (महाबळेश्वर सैल वा दामोदर मावजो) UG-KON-402 कर्नाटक आनी केरळांतल्या कोंकणी साहित्यांतलें समाजदर्शन UG-KON-403 कोंकणी साहित्याची समिक्षा भाग -1 (कथा, कविता, निबंद, कादंबरी) UG-KON-404 संशोधनपद्दती	UG-KON-305 कोंकणी निबंदाचो खाशेलो अभ्यास				
VIII	UG-KON-405 कोंकणी साहित्याची समिक्षा भाग -2 (तियात्र, नाटक, लोकनाट्य)					

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: लैंगिक समानता		UG- MAR - SEC1: सूत्रसंचालन (अकरिंग)
II	UG- MAR 103: मराठी भाषा आणि सर्जनशील लेखन कला	UG- MAR -104: पथनाट्य	UG- MAR - MDC 2: पत्रकारिता : स्वरूप आणि कौशल्ये	UG- MAR - VAC 2 स्वच्छ भारत आणि पर्यावरण OR UG- MAR - VAC3: आनंदमयी जीवनशैली	UG- MAR -AEC 1: मराठी वाचन, लेखन 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: व्यावहारिक मराठी (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: साहित्याभिरूचीचे स्वरूप					
V	UG- MAR -301: काव्यशास्त्र (भारतीय व पाश्चात्य)	UG-MAR -VOC- 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 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 स्रीवादी 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)					

ECONOMICS

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEMENT COURSE(SEC)
I	UG-ECO-101: Microeconomics- I	UG ECO 103 Principles of economics	UG-ECO-MDC1: Financial Investment for all UG-ECO-MDC2: Natural Resource Economics	UG-ECO-VAC1: Kautilya's Arthshashtra UG-ECO-VAC2: Financial Literacy	UG-ECO-SEC1: Accounting for Non-accountants
II	UG-ECO-102: Economics of Growth and Development	UG ECO 104 Economics of Infrastructure	UG-ECO-MDC3: Taxation for all	UG-ECO-VAC3: Gandhian Economic Thought	UG-ECO-SEC2: Entrepreneurship Development UG-ECO-SEC3: Project Management and Evaluation
III	UG-ECO-201: Macro Economics- I	UG ECO 208 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 And Presentation Using Excel
IV	UG-ECO-203: Behavioural Economics	UG-ECO-207: Introduction to Mathematical Techniques for Economic Analysis			
	UG-ECO-204: Evolution of Economic Thought				
	UG-ECO-205: Public Economics				

	UG-ECO-206: Health Economics				
V	UG-ECO-301: Regional Economics and Use of GIS	UG-ECO-304: Introduction to Operations Research for Economists			
	UG-ECO-302: Introduction to Econometrics				
	UG-ECO-303: Environmental Economics				
VI	UG-ECO-305: Financial Economics	UG-ECO-308: Handling of large Data Sets using R and STATA			
	UG-ECO-306: Introduction to Experimental Economics				
	UG-ECO-307: International Trade and Policy				
	UG-ECO-PRJ Project				
VII	UG-ECO-401: Microeconomics- II				
	UG-ECO-402: Macroeconomics- II				
	UG-ECO-403: Advanced to Econometrics				
	UG-ECO-404: Research Methodology				
VIII	UG-ECO-405: Indian Public Finance				
	UG-ECO-406: International Economics				
	UG-ECO-407: Indian Economy				
	UG-ECO-408: Economy of Goa				

GEOGRAPHY

SEME STER	MAJOR CORE	MINOR/ VOCATI ONAL	MULTIDIS CIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEM ENT COURSE (AEC)	SKILL ENHANCEME NT COURSE (SEC)
I	UG-GEG- DSC-101: Introductory Physical Geography		UG-GEG- MDC-101: Fundamentals 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-DSC-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 Processess, Hazards and Society		
III	UG-GEG- DSC-202: UG GEG 203 Basics of Regional Geography		UG-GEG- MDC-201: Basic Geospatial Techniques in Environment, Forestry and Wildlife			UG-GEG-SEC-201: Basic Techniques in Travel & Tourism
IV	UG-GEG- DSC-203: Basics of Climatology					
	UG-GEG- DSC-204: Geomorphology of Landforms					
	UG-GEG- DSC-205: Basics of Cartography					
	UG-GEG- DSC-206: Regional Geography of India					
V	UG-GEG- DSC-301: Geography of Population Growth	-				

	UG-GEG- DSC-302: Geography of Regional Planning					
	UG-GEG- DSC-303: Coastal and Fluvial Geomorphology					
VI	UG-GEG- DSC-304: Applied Climatology	-				
	UG-GEG- DSC-305: Economic Geography					
	UG-GEG- DSC-306: Oceanography					
	UG-GEG- PRJ: Project					
VII	UG-GEG- DSC-401: Applied Geomorphology					
	UG-GEG- DSC-402: Statistical Application in Geography					
	UG-GEG- DSC-403: Applied Human Geography					
	UG-GEG- DSC-404: Research Methodology					
VIII	UG-GEG- DSC-405: Geography in the 21 st Century					
	UG-GEG-DIS: 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-MDC1: Culture and Heritage of Goa	UG-HIS-VAC1: Understanding Goa: Liberation and Challenges	UG-HIS-SEC1: Heritage Tourism in Goa
				UG-HIS-VAC2: India from 1947-1964	
II	UG-HIS-102: Goa Since Liberation		UG-HIS-MDC2: Introduction to Constitution of India	UG-HIS-VAC3: Socio-Religious Reform Movements in India	UG-HIS-SEC2: Introduction to Museology
III	UG-HIS-201: Ancient India: Pre-History to 1206 CE		UG-HIS-MDC3: Indian Culture and Heritage		UG-HIS-SEC3: Introduction to Archives
	UG-HIS-202: Ancient Civilisations: 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 from 1707 - 1857	UG-HIS-VOC2: Teaching History			
	UG-HIS-302: Modern Europe 1789 - 1945				

	UG-HIS-303: History of USA from 1861-2000				
VI	UG-HIS-304: Indian National Movement	UG-HIS-VOC3: Travel and Tourism			
	UG-HIS-305: India Since Independence				
	UG-HIS-306: Modern West Asia				
	UG- HIS -PRJ: Project				
VII	UG-HIS-401: Philosophy of History				
	UG-HIS-402: Modern Asia: Colonialism and Nationalism.				
	UG-HIS-403: History of Women's Movements				
	UG-HIS-404: Introduction to Historical Methods				
VIII	UG-HIS-405: Indian Historiography				
	UG-HIS-406: History of Science and Technology in India				
	UG-HIS-407: Environmental History of India				
	UG-HIS-408: Issues and Debates in Indian History				

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
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				
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 ESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-PSY-101: Basic Course in Psychology I		UG-PSY- MDC1 Interpersonal Relationships	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: Techniques of Data Collection			
	UG-PSY-302: Psychology of Adolescence				
	UG-PSY-303: Neuropsychology				
VI	UG-PSY-304: Psychological Testing	UG-PSY- VOC3: Data Analysis and Report Writing			
	UG-PSY-305: Gerontology				
	UG-PSY-306: Organizational Behaviour				

	UG-PSY-307: Criminal Psychology				
VII	UG-PSY-401: Counseling Approaches				
	UG-PSY-402: Counseling Therapies I				
	UG-PSY-403: Research Methodology				
	UG-PSY-404: Rehabilitation Psychology				
VIII	UG-PSY-405: Counseling Therapies II				
	UG-PSY-406: Advanced Statistics				
	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	UG-SOC-VAC1: Substance Abuse and Aids Awareness	
II	UG-SOC-102: Social Institutions in India		UG-SOC-MDC2: Understanding Goa's Culture	UG-SOC-VAC2: Community Engagement and social responsibility	UG-SOC-SEC1 Globalization and New Media (Digital Story Telling)
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: Introduction to Social Work	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: Rural Sociology				
	UG-SOC-305: Issues of Women in Contemporary India				
	UG-SOC-306: Contemporary Issues of Goan Society				
	UG-SOC-PRJ: Mini-Project				
VII	UG-SOC-401: Classical Sociology				
	UG-SOC-402: Sociology of Education				
	UG-SOC-403: Sociology of Health				
	UG-SOC-404: Quantitative Research Methods				

VIII	UG-SOC-405: Introduction to schools of sociological theory				
	UG-SOC-406: Contemporary Global Issues: Themes and Perspectives				
	UG-SOC-407: Urban Sociology				
	UG-SOC-408: Science, Technology and Society				



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

 www.chowgules.ac.in

 principal@chowgules.ac.in



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

BACHELOR OF SCIENCE (B.Sc.)

2024-25

Contents

ABOUT THE COLLEGE	3
PROGRAMMES OFFERED BY THE COLLEGE	6
PROGRAMMES IN BACHELOR OF SCIENCE (B.Sc.).....	7
CREDITS FOR EXTRA CURRICULAR COMPONENT	17
ADMISSION.....	18
STUDENT RESOURCES.....	19
CODE OF CONDUCT.....	23
ADMINISTRATION.....	26
SCHOLARSHIPS AND PRIZES	26
CONTACT DETAILS	27
DEPARTMENT WISE LIST OF COURSES	29

ABOUT THE COLLEGE

INTRODUCTION

Parvatibai Chowgule College of Arts and Science is a premier educational institution in the State of Goa, offering courses at the Graduate and Postgraduate levels as well as Ph.D. programmes. 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, this 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.

Our 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 Arts, Science and the Vocational streams. Today, the

College offers twenty-three undergraduate and seven 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, and Sociology.* Programmes in the Science Stream are: *Biotechnology, Botany, Chemistry, Computer Science, Environment Science and Impact Assessment, Geology, Mathematics, Physics, and Zoology.* The Programme in Vocational stream is: *B.Voc. in Software Development.*

The various Post Graduate degree programmes offered are *M.Sc. in Information Technology, M.Sc. in Analytical Chemistry, M.Sc. in Geoinformatics, 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), Post Graduate Diploma in Geoinformatics (PGDGIS) 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 institutes. Under this, regular faculty and student exchange programmes are regularly initiated wherein the students can pursue their programme at a foreign University for a semester or for an academic year and can avail transfer of credits.

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.

II

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, and Sociology.*

(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 Science: Information Technology

(b) Masters of Science: Analytical Chemistry

(c) Masters of Science: Geoinformatics

(d) Masters of Science: Life Science

(e) Masters of Arts: Geography

(f) Masters of Arts: Child Psychology and Child Development

(g) Masters of Arts: English

POSTGRADUATE DIPLOMA PROGRAMMES

(a) Post Graduate Diploma in Computer Application (P.G.D.C.A) - Govt. Aided

(b) Post Graduate Diploma in Geoinformatics (P.G.D.G.I.S.)

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

Ph.D. PROGRAMMES

Geography

III

PROGRAMMES IN BACHELOR OF SCIENCE (B.Sc.)

The following B.Sc. programmes are offered:

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

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 three or *four-year duration, with multiple entry and exit points and re-entry options, with appropriate certifications such as:

- UG Certificate after completing one year (two semesters) of study in the chosen fields of study.
- UG Diploma after two years (four semesters) of study.
- Bachelor's degree after a three-year (six 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 fourth year of a Bachelor's degree (Honours with research).

*Subject to approval from 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 of Science shall be as follows.

Eligibility for admission to Semester - I and Semester - II (in the first year) B.Sc. 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 three-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
Three-year UG Degree	120		Completion within 7 years
Four-year UG Degree (Honours)	160		Completion within 7 years
Four-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

NEP 2020 allows students to 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 three-year/four-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 three-year/four-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 fifteen 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 four-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 05 credits cumulatively across these activities which shall be non-Evaluative and optional 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 of 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 three-year UG and four-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	
		Three-year UG	Four-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</i>	32 <i>(Minimum 12 credits in Vocational Education and Training and 12 credits in a Minor shall</i>

		<i>earn a Minor in that Discipline/Subject)</i>	<i>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 No.	Broad Category of Course	Minimum Credit Requirement	
		Three-year UG	Four-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 three core courses in the First major discipline for 12 credits in lieu of the Research Project /Dissertation.

9. Major- Minor Combinations

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 Geography	Group 2 Physics Botany	Group 3 Computer Science Chemistry	Group 4 Mathematics Zoology
--	-------------------------------------	---	--

10. Double Major Combinations

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
5	Geology	Chemistry
5	Geology	Physics
6	Mathematics	Computer Science
7	Physics	Chemistry
8	Physics	Computer Science
9	Physics	Mathematics

NOTE:

1. Computer Science can be only Major 2
2. All other science combinations can be swapped.

IV

CREDITS FOR EXTRA CURRICULAR COMPONENT

The following categories of extra-curricular activities are available to students under the undergraduate curriculum of 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 the college website www.chowgules.ac.in and for further details and queries contact:

Email Id : admission@chowgules.ac.in

Phone No. (0832) 2722222 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.

VI

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 department 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 an ongoing international student-teacher exchange programme with institutions of higher learning in Sweden, Japan 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 Counseling Centre

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

Email: counseling@chowgules.ac.in

d. Foreign Language 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

4. 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, Paw club, 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: 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 centre 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: Dr. (Ms). 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 a clean and green environment to all.

Prohibition of Littering: Littering is strictly prohibited on campus premises and 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 reduce waste generation and promote 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 .

IX

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; Merit scholarship; Student Aid fund assistance and Private scholarship. For more details refer to the College Handbook 2024-25.

CONTACT DETAILS

Name	Designation	Department	Email ID
Prof. (Dr.) Sangeeta Sankhalkar	Principal	Botany	principal@chowgules.ac.in
Mr. Kumares V. C.	Vice-Principal	Computer Science	vp@chowgules.ac.in
Dr. Meghana Devli	Academic Dean	Geology	msd001@chowgules.ac.in
Mr. D. Prabakaran	Controller of Examination	Computer Science	vdp001@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
Ms. Sarah Mesquita	Incharge of the Department	Biochemistry	stm009@chowgules.ac.in
Dr. G. K. Naik	Head of the Department	Chemistry	gkn001@chowgules.ac.in
Dr. Sameena Falleiro	Head of the Department	Computer Science	ssf001@chowgules.ac.in
Ms. Danielle Monteiro	Incharge of the Department	Mathematics	dcm001@chowgules.ac.in
Dr. Ashish Desai	Incharge of the Department	Physics	amd006@chowgules.ac.in
Prof (Dr.) Nandini Vaz Fernandes	Head of the Department	Zoology	nvf001@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 S. Naik Tari	Head of the Department	History	sst001@chowgules.ac.in
Dr. Sobita V. Kirtani	Incharge of the Department	Psychology	svk004@chowgules.ac.in
Ms. Saroj Usgaonkar	Incharge of the Department	Philosophy	sau002@chowgules.ac.in
Dr. Sachin S. Moraes	Incharge of the Department	Sociology	ssm005@chowgules.ac.in

Dr. Sonia Fernandes Da Costa	Incharge 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 his/her discretion. The Principal's decision in all matters related to admission shall be final.

DEPARTMENT WISE LIST OF COURSES

Bachelor of Science - B. Sc.

BIOTECHNOLOGY (Self Finance)

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTI-DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-BIO-101: Biomolecules	UG-BIO-102: Cell biology	UG-BIO-MDC1: Food and Fermentation technology	UG-BIO-VAC-1: 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-VAC-2: Intellectual Property Rights and Patents	UG-BIO- SEC2: Elementary tools for visualization of biological data
III	UG-BIO-201: Molecular Biology	UG-BIO-203: Metabolism of Biomolecules	UG-BIO- MDC3: Composting technology		UG-BIO- SEC3: Biostatistics
	UG-BIO-202: Enzymology				
IV	UG-BIO-204: Immunology	UG-BIO-VOC1: Evolution and Anthropology			
	UG-BIO-205: Molecular Genetics				
	UG-BIO-206: Basics of Plant and Animal Sciences				
	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: Environmental Biotechnology				
	UG-BIO-303: Plant Biotechnology				
VI	UG-BIO-304: Industrial Biotechnology	UG-BIO-VOC3: Advanced Cell Biology			
	UG-BIO-305: Bioinformatics				
	UG-BIO-306: Animal Cell culture				
	PROJECT (from Major discipline): 04 credits				
VII	UG-BIO-401: Plant and Animal Physiology	UG-BIO-308: Human Physiology			
	UG-BIO-402: Genomics and Proteomics				
	UG-BIO-403: Forensic Sciences				
	UG-BIO-404: Molecular medicine				
VIII	UG-BIO-405: Medical Biotechnology	UG-BIO-309: Advanced Microbiology			
	UG-BIO-406: Basics of Pharmacology				
	UG-BIO-407: Food Biotechnology				
	UG-BIO-408: Basics of Marine Biotechnology				

BOTANY

SEMESTER	MAJOR	MINOR/ VOCATIONAL	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT COURSE (SEC)
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-VAC 1: Medicinal Plants	UG-BOT-SEC 1: Basics in Horticulture
II	UG-BOT-201: Diversity of Lower Plants II (Bryophytes, Pteridophytes, Gymnosperms)	UG-BOT-201: Diversity of Lower Plants II (Bryophytes, Pteridophytes, Gymnosperms)	UG-BOT-MDC 2: Kitchen Gardening	UG -BOT-VAC 2: Introduction to Aquaponics and Vertical Gardening	UG-BOT-SEC 2: Algal Biotechnology
III	UG-BOT-201: Diversity of Lower Plants II (Bryophytes, Pteridophytes, Gymnosperms) UG-BOT-202: Economic Botany	UG-BOT-203: Plant pathology	UG-BOT-MDC 3: Evolutionary biology		UG-BOT-SEC 3: Microbiology
IV	UG-BOT-204: Plant Anatomy UG-BOT-205: Cytogenetics UG-BOT-206: Plant breeding and Biostatistics UG-BOT-207: Ecology and conservation	UG-BOT-VOC1: Horticulture, Floriculture & Landscaping			
V	UG-BOT-301: Plant Molecular biology UG-BOT-302: Bioinformatics UG-BOT-303: Plant Drug Technology	UG-BOT-VOC 2: Organic Farming			

VI	UG-BOT-305: Plant Genetic engineering	UG-BOT-VOC 3: Applied Mycology			
	UG-BOT-306: Plant tissue Culture				
	UG-BOT-307: Economic Botany				
	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	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (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 : Selected Topics in Organic and Inorganic Chemistry	UG-CHE- VAC1: Environmental Monitoring	UG-CHE-SEC1: Skill Development in Chemistry 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- MDC3: UG-CHE- MDC4:	UG-CHE- VAC2: Ethics in Science	UG-CHE-SEC3: Chemistry of Water and Soil
III	UG-CHE-201: Concepts in Chemistry-I	UG-CHE-207: Concepts in Chemistry -III	UG-CHE- MDC5: Fundamentals of Chemistry		UG-CHE-SEC4: Basics of Analytical Chemistry
	UG-CHE-202: Concepts in Chemistry-II				
IV	UG-CHE-203: Selected Topics in Physical Chemistry	UG-CHE – VOC1: Spectroscopic Techniques			
	UG-CHE-204: Selected Topics in Organic 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: Electroplating and Corrosion			

	UG-CHE-302: Advanced Organic Chemistry -I				
	UG-CHE-303: Advanced Inorganic Chemistry -I				
	UG-CHE-304: Applied Chemistry-III				
VI	UG-CHE-305: Advanced Physical Chemistry -II	UG-CHE - VOC3: Industrial Process			
	UG-CHE-306: Advanced Organic Chemistry -II				
	UG-CHE-307: Advanced Inorganic Chemistry -II				
	UG-CHE-PRJ Project UG-CHE-308: Applied Chemistry-IV				
VII	UG-CHE-401: Bio-Inorganic Chemistry/ Coordination Chemistry	UG-CHE-409: Selected Topics in Inorganic and Organic Chemistry			
	UG-CHE-402: Surface Chemistry and Catalysis				
	UG-CHE-403: Stereochemistry and Name Reaction				
	UG-CHE-404: Research Methodology				
VIII	UG-CHE-405: Organometallic Chemistry	UG-CHE-410: Selected Topics in Analytical and Physical Chemistry			
	UG-CHE-406: Electrochemistry				

	UG-CHE-407: Heterocyclic Chemistry OR Synthetic Organic Chemistry				
	UG-CHE-408: Nanomaterials 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-MDC1: Office Automation	UG-COM-VAC 1: Cyber Security	UG-COM-SEC3: UI/UX Design
			UG-COM-MDC2: Introduction to Python Programming	UG-COM-VAC 2: Design Thinking	
			UG-COM-MDC2: Introduction to Python Programming		
II	UG-COM-102: Database Management	UG-COM-102: Database Management	UG-COM-MDC2: Introduction to Python Programming	UG-COM-VAC 1: Cyber Security	UG-COM-SEC2: Programming in Python
				UG-COM-VAC 2: Design Thinking	
			UG-COM-MDC3: E-learning		
III	UG-COM-201: Data Structures	UG-COM-207 : Foundations of Data Science with Python	UG-COM-MDC4: Fundamentals of Data Analysis		UG-COM-SE C6 : Front End Web Development
	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: IOT				
	UG-COM-303: Computer Networks				
VI	UG-COM-304: Data Science	UG-COM-VOC-3: Software Testing			
	UG-COM-305: Cloud Computing				
	UG-COM-306: AI				
	UG-COM-PRJ: Project				
VII	UG-COM-401: Design and Analysis of Algorithms	UG-COM-405: Image Processing			
	UG-COM-402: Software Architecture, Design Patterns and Frameworks				
	UG-COM-403: Advanced DBMS				
	UG-COM-404: Machine Learning and Deep Learning				
VIII	UG-COM-406: Compiler Design	UG-COM-410: Network Security			
	UG-COM-407: Advanced Operating System	UG-COM-411: Educational Technology			
	UG-COM-408: NLP				
	UG-COM-409: Parallel Computing				

Environment Science and Impact Assessment (Self finance)

SEMESTER	DISCIPLINE SPECIFIC CORE COURSES (4 credits/course)	MINOR/ VOCATIONAL (4 credits/course)	SKILL ENHANCEMENT COURSES (3 credits/course)
I	Ecology, Ecosystem and Biodiversity	Ecology, Ecosystem and Biodiversity	Ecology and Society
II	Environment Issues, Perspectives and Policies	Environment Issues, Perspectives and Policies	Basics of GIS and Remote Sensing
III	Conservation Biology		Anthropogenic Impact on Food Resources
	Physics and Chemistry of Environment		
IV	Climate change and Sustainability	Biostatistics	
	Water Resources and Management		
	Mineral Resources and Management		
	Environmental Evaluation		
V	Introduction to Sustainable Development	Instrumentation Techniques	
	Wildlife Biology and Conservation		
	Environment Impact Assessment (EIA) I		
VI	Natural and Man-made Hazards	Bioentrepreneurship	
	Environment Microbiology		

	Marine Science		
	Minor Project		
VII	Environment Chemistry		
	Waste Treatment Technology		
	Environment Impact Assessment (EIA) II		
	Green Chemistry		
VIII	Environmental Restoration and Remediation		
	Land Oceans and Atmospheric Interactions		
	Advanced Remote Sensing and GIS		
	Forestry and Conservation		

In addition to the above courses *Ability Enhancement courses*, *Multidisciplinary courses* from the Group of Humanities and Social Sciences, Mathematics and Computer Science (for first 3 semesters) and *Value Added courses* (for first 2 semesters) will be offered.

GEOLOGY

SEMESTER	MAJOR	MINOR/ VOCATIONAL	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT 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-VAC1: Resource Management and Sustainable Practices UG-GEL-VAC2: Geo-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: Geo-Indicators and Climate Change	UG-GEL-SEC2: Field Techniques for Geological Mapping
III	UG-GEL-201: Optical Mineralogy UG-GEL-202: Stratigraphy and Paleontology	UG-GEL-203: Earth Processes and Landforms	UG-GEL-MDC3: Physical Geology		UG-GEL-SEC3: Gemmology
IV	UG-GEL-203: Mineralogy UG-GEL-204: Ore Genesis UG-GEL-205: Geotectonics UG-GEL-206: Sedimentary Petrology	UG-GEL-VOC1: Occupational Health and Safety			
V	UG-GEL-301: Magma Evolution and Igneous Rock Formation UG-GEL-302: Metamorphic Petrology UG-GEL-303: Precambrian Stratigraphy of India	UG-GEL-VOC2: Groundwater Exploration Techniques			

VI	UG-GEL-304: Phanerozoic Stratigraphy of India	UG-GEL-VOC3: Petroleum Exploration and Techniques			
	UG-GEL-305: Rock Mechanics and Structures				
	UG-GEL-306: Surveying and Field Geology				
	UG-GEL-PRJ: Minor Project				
VII	UG-GEL-401: Geochemistry				
	UG-GEL-402: Engineering Geology and Geotechnology				
	UG-GEL-403: Rock Microstructures and Deformation				
	UG-GEL-404: Geophysical Exploration and Mining Methods				
VIII	UG-GEL-405: Remote Sensing and Digital Image Processing				
	UG-GEL-406: Advanced Igneous Petrology				
	UG-GEL-407: Geologic al Field Training				
	UG-GEL-408: Ocean Sciences				

MATHEMATICS

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-MAT-101: Basic Algebra	UG-MAT-101: Basic Algebra	UG-MAT- MDC1: Statistics I		UG-MAT-SEC1: Differential Equations I
II	UG-MAT-103: Basic Real Analysis	UG-MAT-103: Basic Real Analysis	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: Statistics II		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: Functions of Several Variables	UG-MAT- VOC2: Probability			
	UG-MAT-302: Graph Theory				
	UG-MAT-303: Advanced Analysis				
	UG-MAT- 304: Operations Research II				
VI	UG-MAT- 305: Functions of Several Variables				
	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: Functional Analysis				
	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: Number Theory II				
	UG-MAT-410: Cryptography				

PHYSICS

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	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	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-205: Elementary Modern Physics	UG-PHY- MDC3: General Physics: Nucleus, Relativity and Beyond		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: Basics of Visualization and Scientific word Processing			
	UG-PHY-302: Solid State Physics				
	UG-PHY-303: Thermodynamics and Statistical Mechanics*				
	UG-PHY-304: Solid State Devices				
VI	UG-PHY-306: Atomic and Molecular Physics	UG-PHY- VOC3: Instrumentation			
	UG-PHY-307: Mechanics II				
	UG-PHY-308: Nuclear and Elementary Particle Physics				
	UG-PHY-PRJ: Project				
	UG-PHY-309: Introduction to Material Science				
VII	UG-PHY-401: Mathematical Physics*				
	UG-PHY-402: Classical Mechanics*				
	UG-PHY-403: Electronics-II				
	UG-PHY-404: Laboratory (Electronics and Computer Programming)				

VIII	UG-PHY-405: Advanced Electromagnetic Theory				
	UG-PHY-406: Introduction to Special Theory of Relativity*				
	UG-PHY-407: Quantum Mechanics II				
	UG-PHY-408: Laboratory (General Physics)				
	UG-PHY-409: Advanced Solid State Physics				

* Courses maybe offered to the minor students

ZOOLOGY

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTI- DISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	SKILL ENHANCEMENT 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
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-SEC 2: Bio Entrepreneurship
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: Aquaculture and Fisheries			
	UG-ZOO-205: Basic Microbiology and Fundamentals of Animal Biotechnology				
	UG-ZOO-206: Immunology				
	UG-ZOO-207: Aquaculture, Fish preservation and fish processing				
V	UG-ZOO-301: Health & Nutrition	UG-ZOO-VOC2: Nutrition and Dietetics			
	UG-ZOO-302: Developmental Biology				

	UG-ZOO-303: Environment Toxicology and Evolutionary Biology				
	UG-ZOO-PRJ Project(a)				
VI	UG-ZOO-304: Molecular genetics and Basics of Forensic Science	UG-ZOO-VOC3: Application of techniques in wildlife monitoring			
	UG-ZOO-305: Wildlife Biology and Ethology				
	UG-ZOO-306: Human Physiology				
	UG-ZOO-PRJ Project (b)				
VII	UG-ZOO-401: Research Methodology – Biological Sciences	UG-ZOO-VOC4: Computation of Biological data			
	UG-ZOO-402: Ornamental Fisheries				
	UG-ZOO-403: Techniques in Biological Research				
	UG-ZOO-404: Wildlife Enumeration technique				
VIII	UG-ZOO-405: Transgenic Animal Technology	UG-ZOO-VOC5: Learner centric T- L-E pedagogies			
	UG-ZOO-406: Ecotourism				

	UG-ZOO-407: Learner centric T- L-E pedagogies for Biological sciences				
	UG-ZOO-408: Tissue Engineering				



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

 www.chowgules.ac.in

 principal@chowgules.ac.in

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

BACHELOR OF VOCATION (B. Voc.)

2024-25

Bachelor of Vocation in Software Development

(BVoc in SD)

(Self-Financed)

Programme Code: CSD

Duration: Three Years (Six Semesters)

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 and Selection Procedure: First Come Basis

Credits required for completing the B.Voc in Software Development programme: 180

Sr. No.	Nature of Courses	Credits Required
1	Skill Development Courses (18 credits per semester)	108
2	General Courses (12 credits per semester)	72
	Total Credits Required	180

Course Structure of B.Voc in Software Development - Component A

NSQF level/ Semester	Course Code	Course Title	Component	Course Credit
Skill Development Qualification Pack - Junior Software Developer(SSC/Q0508)				
Level 4 / Semester 1	General Education Component			
	SD – G8	Environmental Studies	Theory	4
	SD – G9	Business Communication	Theory	4
	SD – G10	Accounting for non accountant	Theory	4
	Skill Component			
	CSD-SK3	Introduction to programming	Theory & Practicals	6
	CSD-SK7	Database Management System	Theory & Practicals	6
	CSD-SK5	Content Management System	Theory & Practicals	6
	Total Credits for semester			30
Skill Development Qualification Pack - Web Developer (SSC/Q0503)				
Level 5 / Semester II	General Education Component			
	SD – G6	Content Writing	Theory	4
	SD – G1	Language Paper - I	Theory	4
	SD – G11	Entrepreneurship	Theory	4
	Skill Component			
	CSD-SK1	Computer organisation and operating System	Theory & Practicals	6
	CSD-SK2	Web Designing	Theory & Practicals	6
	CSD-SK6	Multimedia	Theory & Practicals	6
	Total Credits for semester			30
Skill Development Qualification Pack - Application Developer - Web & Mobile (SSC/Q8403)				
Level 6 / Semester III	General Education Component			
	SD-G20	Reasoning technique	Theory	4
	SD-G21	Mathematical foundation of Computer Science	Theory	2
	SD-G13	Personality Development	Theory	4
		Internship	OJT	2

	Skill Component				
	CSD-SK7	Object oriented programming	Theory & Practicals	6	
	CSD-SK9	Server Side programming	Theory & Practicals	6	
	CSD-SK8	Computer networks	Theory & Practicals	6	
	Total Credits for semester			30	
Skill Development Qualification Pack - Application Developer - Web & Mobile (SSC/Q8403)					
	General Education Component				
Level 6 / Semester IV	SD-G17	E-Commerce	Theory	4	
	SD-G22	Creative Thinking	Theory	2	
	SD-G23	Advance Quantitative Technique	Theory	4	
		Internship	OJT	2	
	Skill Component				
	CSD-SK10	Web Development Framework	Theory & Practicals	6	
	CSD-SK11	Software Engineering	Theory & Practicals	6	
	CSD-SK12	Mobile Application Development	Theory & Practicals	6	
		Total Credits for semester			30
Skill Development Qualification Pack - Application Architect - Web & Mobile (SSC/Q8402)					
	General Education Component				
Level 7 / Semester V	SD-G14	Digital Marketing	Theory	4	
	SD-G15	Organisational Behaviour	Theory	4	
	SD-G16	Maths for Competitive Exams	Theory	4	
	Skill Component				
	CSD-SK14	Software Testing	Theory & Practicals	6	
	CSD-SK13	Data Structures	Theory & Practicals	6	
	CSD-SK17	Project		6	
		Total Credits for semester			30

Skill Development Qualification Pack - Application Architect - Web & Mobile (SSC/Q8402)				
Level 7 / Semester VI	General Education Component			
	SD-G19	Human Computer Interface	Theory	4
	SD-G18	Independent Studies	Theory	4
	SD-G24	Security in Web and Mobile Application	Theory	4
	Skill Component			
	CSD-SK15	Network Security	Theory & Practicals	6
	CSD-SK16	Cloud Computing	Theory & Practicals	6
	CSD-SK17	Project		6
	Total Credits for semester			30

*Course Structure **Subject to Change** upon approval

For additional information contact:

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



Fatorda, Gogol, Margao, Goa-403602

Phone: 0832-2722222, Fax: 0832-2759067

 www.chowgules.ac.in

 principal@chowgules.ac.in

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

POSTGRADUATE DIPLOMA PROGRAMMES

2024-25

INDEX TABLE

Sr. No.	Content	Page
1.	Introduction	2
2.	Post-Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques (PGDCGMLT)	4
3.	Post-Graduate Diploma in Geoinformatics (PGDGIS)	7
4.	Post-Graduate Diploma in Computer Applications (PGDCA)	9
5.	Campus Discipline and a Conducive Environment	12

Introduction

Parvatibai Chowgule College of Arts and Science, Margao-Goa, founded in 1962, is an Autonomous institution of higher education within the Goa University system since 2014. This premier educational institution has been accredited by the National Assessment and Accreditation Council (NAAC) at Grade A+.

Since becoming autonomous the College introduced the Choice Based Credit System (CBCS) in all its undergraduate and postgraduate educational programmes. Besides the CBCS, the revision of the programmes was done by taking into account the employability issues. The College is presently involved in strengthening its outcome-based education and evolving it further so as to meet the needs of the present-day generation.

The College is directed by its mission and vision to seek higher distinctions and impart quality education with innovative curriculum, appropriate teaching-learning-evaluation methodologies, twenty-first century technologies and better infrastructure.

Under the choice-based credit system the College offers core courses and elective courses in each of its educational programmes both at the undergraduate and postgraduate levels. Its postgraduate programmes are governed by Autonomy Ordinances (AO), AO-5 for master's degree programmes and AO-9 for postgraduate diploma programmes.

The postgraduate diploma programmes (one year) offered on self-financed basis are:

1. Postgraduate Diploma in Clinical Genetics and Medical Laboratory Techniques (PGDCGMLT)
2. Postgraduate Diploma in Geoinformatics (PGDGIS)

The following postgraduate diploma programme (one year) offered is Government aided:

3. Postgraduate Diploma in Computer Applications (PGDCA)

The postgraduate diploma programmes are one-year-two-semesters full time programmes carrying a minimum of 40 credits. The courses are conducted using a range of teaching-learning-evaluation methodologies evolved conceptually and through the use of ICT processes. For instance the outcome-based-education followed by many teaching departments is a conceptually evolved methodology, whereas the flipped classroom has evolved as a result of the use of ICT and LRMS. The aim of excellence has been a driving force for innovative developments in learning programmes at the College.

A student's learning is evaluated in the courses through continuous assessments using various evaluation methodologies and through a comprehensive semester-end examination. The evaluation is done not only to determine a student's grasp of the subject-knowledge in the course but also to determine the extent of other skills acquired such as critical-

thinking, analysing, out-of-the-box thinking, oral and written communication, referencing, etc. The performances of a student in the various courses are graded and a CGPA (Cumulative Grade-Point Average) is calculated so as to ascertain the student's overall performance in the programme.

This prospectus provides information, in a nutshell, on these above-listed programmes for the benefit of students who are deciding about taking admission to any of these programmes.

How to apply for admission:

For all postgraduate diploma programmes, apply online

<http://apply.chowgules.ac.in>

Complete the online admission form as per instructions provided therein.

For further details and queries:

Email: sfpadmission@chowgules.ac.in

Post-Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques

(Self-Financed)

Programme Code: PGD-CGMLT

Duration: One Year (Two Semesters)

Duration for the PG Diploma in “Clinical Genetics and Medical Laboratory techniques” is a two semester programme which includes internship/hands-on training in Clinical Laboratories / Pathology Lab / Genetic Lab for 08 credits (240 hours).

Objective of the Programme

Overall the course is designed to provide a strong foundation in all areas of Human genetics and medical lab techniques with opportunities for hands-on laboratory and clinical experience. The curriculum includes lectures, practicals, classroom discussions and intensive practical training (Internship). The Objective of the courses is to enable the students in having job opportunities in Research and Development and in medical field. The course syllabus is designed considering the need for trained technicians and technologists in the genetic and pathological field. This self financed, job oriented course will meet the demand for genetic and pathological technicians in diagnostic labs and hospitals.

Eligibility and Selection Procedure

To be eligible for admission to the programme leading to the award of Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques, the candidate must have passed the Bachelor of Science degree examination of Goa University or equivalent examination of any other UGC recognized University, securing a minimum of 45% marks on aggregate or equivalent Grade or as specified for a Programme. Biological Science candidates will be preferred.

Total Number of Seats (including reserved seats): 15

Credits required for completing the Programme: 40

PGDCG&MLT	Odd semester	Even semester
Courses	Discipline specific core (DSC)= 16	Discipline specific core (DSC)= 16
	Discipline specific elective (DSI)= 04 (Internship)	Discipline specific elective (DSI)= 04(Internship)
Credits	20	20
Total credits: 40		

Course Evaluation

To pass PGD programme in Clinical Genetics and Medical Laboratory Techniques, candidate shall secure a minimum of 40% marks in theory as well as practical component of each course. The assessment of the Courses shall be based on the examination at the end of each semester. The examination shall consist of either a comprehensive written test or a comprehensive laboratory examination. The examination of the Core/elective Courses shall normally carry a maximum of 100 marks (Theory = 50 mks, Practical = 50 mks). The final grade shall be computed based on the candidate best performance in the minimum number of credits required for the award of the Diploma.

08 credits (DSI), of internship, shall be depicted in the form of grade in the final mark sheet. A report is to be submitted by the candidate after completion of the internship/hands-on training. Submission may be in the form of a report or Portfolio which shall be evaluated for 200 marks and indicated as grades. Every student shall have to secure a minimum of 'P' grade to pass the Course.

Course Structure**Post Graduate Diploma Programme in Clinical Genetics and Medical Laboratory Techniques (PGDCG&MLT)**

SEMESTER	COURSE CODE	DISCIPLINE SPECIFIC CORE (DSC)	DISCIPLINE SPECIFIC ELECTIVE (DSE) (ANY 01)	NUMBER OF CREDITS
I	PGDP-CGMLT-DSC-401	Clinical Biochemistry I		Theory = 02 Practical = 02
	PGDP-CGMLT-DSC-402	Clinical Biochemistry II		Theory = 02 Practical = 02

I	PGDP-CGMLT-DSC-403	Clinical Microbiology (General and Systematic)		Theory = 02 Practical = 02
	PGDP-CGMLT-DSC-404	Hematology and Transfusion Medicine		Theory = 02 Practical = 02
	PGDP-CGMLT-DSI-401		Internship at Hospital/Clinics.	04
	PGDP-CGMLT-DSE-401		SWAYAM course: Analytical Techniques	Theory = 04 credits
	PGDP-CGMLT-DSE-402		SWAYAM course: Essentials Of Biomolecules: Nucleic Acids And Peptides	Theory = 04 credits
II	PGDP-CGMLT-DSC-405	Clinical Genetic Techniques I		Theory = 02 Practical = 02
	PGDP-CGMLT-DSC-406	Clinical Genetic Techniques II		Theory = 02 Practical = 02
	PGDP-CGMLT-DSC-407	Clinical Parasitology, Mycology and Virology		Theory = 02 Practical = 02
	PGDP-CGMLT-DSC-408	Clinical Pathology and Histopathology		Theory = 02 Practical = 02
	PGDP-CGMLT-DSI-402		Internship at Hospital/Clinics.	04
	PGDP-CGMLT-DSE-403		SWAYAM course- Biomolecules: Structure, Function In Health And Disease	Theory = 04 credits
	PGDP-CGMLT-DSE-404		SWAYAM course- Immunology	Theory = 04 credits

For additional information contact:

Ms. Regina Fernandes rvf003@chowgules.ac.in

Post-Graduate Diploma in Geoinformatics

(Self-Financed)

Programme Code: PGDP-GIS

Duration: One Year (Two Semesters)

Objective of the Programme:

The aim of Post graduate diploma in Geoinformatics (PGDGIS) is to develop students with strong knowledge of Geospatial technology and professional skills through various activities and initiatives of the department enabling them to acquire software skills and knowledge in order to improve their employability.

Eligibility and Selection Procedure:

A graduate with a minimum score of 50% (CGPA of 5.3 and above in case of CBCS) in the final Examination of any B.Sc. programme or B.A. with Geography from a recognized University/Institute is eligible. Students with courses related to earth science may also apply; however, their selection will be based on their performance in the Aptitude Test in Geography, conducted by the department.

Total Number of Seats (including reserved seats): 20

Credits required for completing the programme: 40

Sr. No.	Nature of Courses	Credits Required
1	Discipline Specific Core	32
2	Discipline Specific Elective	08
	Total Credits	40

Course Structure - Post-Graduate Diploma in Geoinformatics

PGD-GIS	Odd Semester	Even Semester
Courses	First Semester	Second Semester
	Discipline Specific Core 16	Discipline Specific Core 16
	Discipline Specific Elective 04	Discipline Specific Elective 04
	Total First Semester Credits = 20	Total Second Semester Credits = 20

Course Information (a)

Course Code	Course Title	Credits
Semester I		T & P (2+2=4)
PGDP-GIS-DSC-401	Basics of GIS and GPS	2+2
PGDP-GIS-DSC-402	Basics of Remote Sensing and Photogrammetry	2+2
PGDP-GIS-DSC-403	Applications of Geostatistics	2+2
PGDP-GIS-DSC-404	Advanced Digital Cartography	2+2
PGDP-GIS-DSE-401	Principles of Computer and Programming	2+2
PGDP-GIS-DSE-402	Applications of GIS Techniques in Entrepreneurship	2+2
Total		20
Semester II		
PGDP-GIS-DSC-405	Spatial Analysis & Modeling	2+2
PGDP-GIS-DSC-406	Advanced Remote Sensing and GIS	2+2
PGDP-GIS-DSC-407	Digital Image Processing	2+2
PGDP-GIS-DSC-408	Applications of GIS for Natural Resource management	2+2
PGDP-GIS-DSE-403	Pilot Project, Field Work and Tour	2+2
PGDP-GIS-DSE-404	Programming and Customization	2+2
Total		20

For additional information contact:

Dr. Anil Yedage asy002@chowgules.ac.in

Post-Graduate Diploma in Computer Applications

(Government Aided)

Programme Code: PGD-CA

Duration: One Year (Two Semesters)

Objective of the Programme:

The PGDCA Programme aims to give the students a sound background in theory and practice of Computer Application in various fields. It comprises of various Software courses, Skill Based Elective courses, courses on Educational Technology and latest emerging trends in the field of IT.

The choice of Elective courses is based on different career options, since the students who enroll for this course are from different domains like Arts, Science, Commerce etc. The syllabus of the course conforms to the requirements prescribed by the Goa University with upward mobility to the M.Sc. (IT) programme subject to meeting other eligibility criteria of the programme.

The PGDCA is recognized as a professional course by the Goa University.

On completion of the programme, the career opportunities available would be in the field of Software Testing, Digital Marketing, Web Development, Network Administration, MobileApplication Development, Teaching etc. The College has a Placement Cell which assists students in placements. Students are also encouraged to do Internships even though it is not an essential part of the curriculum.

Programme Specific Outcomes (PSO) for PGDCA

At the end of the programme the students will be able to:

PSO1 : Acquire problem-solving skills, especially the ability to analyze, design and implement solutions.

PSO2 : Demonstrate technical skills to be employed in competitive positions in the IT sector.

PSO3 : Start an Entrepreneurial venture.

PSO4 : Work in different fields like content development, Multimedia, Website designing, Networking, Banking industry, Academics etc. and ability to pursue higher education and engage in independent lifelong learning.

Eligibility and Selection Procedure:

To be eligible to apply for the programme, the candidate must be a graduate having completed B.Com / B.A/ B.Sc / B.B.A/ B.C.A /B.Ed / B.E/ or any other degree.

The Final selection of students is done based on the Department's Counseling sessions with the eligible applicants.

Total Number of Seats (including reserved seats): 30

Credits required for completing the Post-Graduate Diploma in Computer Applications: 40

Sr. No.	Nature of Courses	Credits Required
1	Core Courses	20
2	Elective Courses	20
	Total Credits	40

Course Structure - Post-Graduate Diploma in Computer Applications

PGD-CA	Semester I	Semester II
Courses	First Semester	Second Semester
	Core Courses Credits – 12	Core Courses Credits - 08
	Elective Courses Credits – 08	Elective Courses Credits - 12
	Total First Semester Credits = 20	Total Second Semester Credits = 20

Course Information (a)

Sr. No.	Course Titles	Course Codes	Course Credits
CORE COURSES			
Semester I			
1	Problem Solving and Introduction to Programming	PGD-CA.C.C1	4
2	Web Design	PGD-CA.C.C2	4
3	Data Base Management Systems	PGD-CA.C.C3	4
Semester II			
4	Fundamentals of Computer Systems and Networks	PGD-CA.C.C4	4
5	Software Engineering	PGD-CA.C.C5	4
All courses entail 03 hours of lectures and 02 hour of practical work per week			

Course Information (b)

Sr. No.	Course Titles	Course Codes	Course Credits
ELECTIVE COURSES			
1	Multimedia	PGD-CA.C.E1	4
2	E-Learning	PGD-CA.C.E2	4
3	HCI	PGD-CA.C.E3	4
4	E-commerce Development	PGD-CA.C.E4	4
5	Digital Marketing	PGD-CA.C.E5	4
6	Network Administration	PGD-CA.C.E6	4
7	Software Testing	PGD-CA.C.E7	4
8	Server Side Programming	PGD-CA.C.E8	4
9	Data Structures	PGD-CA.C.E9	4
10	Office Automation Tools	PGD-CA.C.E10	4
11	Assessment and Evaluation for Learning	PGD-CA.C.E11	4
12	Instructional Design	PGD-CA.C.E12	4
13	Content Management System	PGD-CA.C.E13	4
14	Web Development with FLASK	PGD-CA.C.E.14	4
15	Accounting	PGD-CA.C.E.15	4
All courses entail 03 hours of lectures and 02 hour of practical work per week			

For additional information contact:

Ms. Judith M Dias Barreto (Course Co-ordinator)

jmb001@chowgules.ac.in OR computerscience@chowgules.ac.in

Campus Discipline and a Conducive Environment

The College is making concerted efforts to provide relevant education of global standards in a disciplined and conducive environment. For this purpose the College follows policies pertaining to the Library, Academic Integrity and Avoidance of Plagiarism, Prevention of Sexual Harassment, Information Technology and Information Systems Security, Intellectual Property Rights. These policies are available on the college website. Students are required to abide by these policies. These policies and following regulations are some building blocks of this environment and all students are required to take note of them and follow them.

Computers Usage Rules

College encourages students to use laptops and to bring their personal laptops to the class. Students can also use the Computer Lab. 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. The college is also NOT responsible if the vehicle is towed away if parked in 'No Parking Area'.

Stand against Ragging

The College strictly follows the anti-ragging policy of Goa University. Whoever directly or indirectly commits, participates in, abets or instigates others to violation shall be suspended/expelled/rusticated and shall be liable to pay a fine.

Important Note

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

Apply online
<http://apply.chowgules.ac.in>



Fatorda, Gogol, Margao, Goa-403602

Phone: 0832-2722222, Fax: 0832-2759067

 www.chowgules.ac.in

 principal@chowgules.ac.in

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

MASTER OF SCIENCE (M.Sc.)

2024-25

INDEX TABLE

Sr. No.	Content	Page
1.	Introduction	2
2.	Master of Science in Analytical Chemistry	4
3.	Master of Science in Geoinformatics	8
4.	Master of Science in Information Technology	11
5.	Master of Science in Life Science	15
6.	Campus Discipline and a Conducive Environment	17

Introduction

Chowgule Education Society's, Parvatibai Chowgule College of Arts and Science, Margao-Goa, founded in 1962, is an Autonomous institution of higher education within the Goa University system since 2014. This premier educational institution has been accredited by the National Assessment and Accreditation Council (NAAC) at Grade A+.

Since becoming autonomous the College introduced the Choice Based Credit System (CBCS) in all its undergraduate and postgraduate educational programmes. Besides the CBCS, the revision of the programmes was done by taking into account the employability issues. The College is presently involved in strengthening its outcome-based education and evolving it further so as to meet the needs of the present-day generation.

The College is directed by its mission and vision to seek higher distinctions and impart quality education with innovative curriculum, appropriate teaching-learning-evaluation methodologies, twenty-first century technologies and better infrastructure.

Under the choice-based credit system the College offers core courses and elective courses in each of its educational programmes both at the undergraduate and postgraduate levels. Its postgraduate programmes are governed by Autonomy Ordinances (AO), AO-5 for master's degree programmes and AO-9 for postgraduate diploma programmes.

The postgraduate degree programmes (2 years) offered by the College on self-financed basis are:

1. Master of Arts in Child Psychology and Child Development
2. Master of Arts in English
3. Master of Arts in Geography
4. Master of Science in Analytical Chemistry
5. Master of Science in Geoinformatics
6. Master of Science in Information Technology
7. Master of Science in Life Science

The postgraduate degree programmes are two-years-four-semesters full time programmes carrying a minimum of 80 credits and the postgraduate diploma programmes are one-year-two-semesters full time programmes carrying a minimum of 40 credits. The courses are conducted using a range of teaching-learning-evaluation methodologies evolved conceptually and through the use of ICT processes. For instance the outcome-based-education followed by many teaching departments is a conceptually evolved methodology, whereas the flipped classroom has evolved as a result of the use of ICT and LRMS. The aim of excellence has been a driving force for innovative developments in learning programmes at the College.

A student's learning is evaluated in the courses through continuous assessments using various evaluation methodologies and through a comprehensive semester-end examination. The evaluation is done not only to determine a student's grasp of the subject-knowledge in the course but also to determine the extent of other skills acquired such as critical-thinking, analysing, out-of-the-box thinking, oral and written communication, referencing, etc. The performances of a student in the various courses are graded and a CGPA (Cumulative Grade-Point Average) is calculated so as to ascertain the student's overall performance in the programme.

This prospectus provides information, in a nutshell, on these above-listed programmes for the benefit of students who are deciding about taking admission to any of these programmes.

How to apply for admission:

For all postgraduate degree programmes, apply online

<http://apply.chowgules.ac.in>

Complete the online admission form as per instructions provided therein.

For further details and queries:

Email: sfpadmission@chowgules.ac.in

Master of Science in Analytical Chemistry

(M.Sc. in Analytical Chemistry)

(Self-Financed)

Programme Code: PGMP-CHE

Duration: Two Years (Four Semesters)

Objectives of the Programme:

Analytical Chemistry forms the basis of research not only in the field of Chemistry but also in many other branches of Sciences. Thus, it provides the scope for recruitment of students in research fields as Research Scholars, Research Associates and Project Assistants. Pharmaceutical industries look for skillful analytical chemists. Goa being a center for many multinational pharmaceutical companies, Analytical Chemistry is a potential field for providing employment.

Analytical Chemistry, being an experimental science, addresses the students training needs by focusing on practical works as to help them to acquire expertise in performing experiments and to handle sophisticated instruments. The data obtained needs statistical analysis to establish authenticity in the fields like environmental science, space chemistry and biotechnology. There are immense potentialities for post graduates to undertake advanced research or be employed in industries as skilled chemists.

The course gives an introduction to all branches of chemistry including basic analytical methods. It provides a sound background in understanding fundamental concepts, good laboratory practices, data management and analysis with extrapolation of results; design of experiment, planning a safe working practice including evaluation of hazards and environmental effects; achieve a common research goal working in a small team; self-led practical-based research, especially on characterization based on analytical instrumentation methods like spectroscopy, chromatography and many more with appreciation of issues in each of these fields on the current research.

Eligibility and Selection Procedure:

Admission to the two year, four semesters, fulltime course leading to the degree in Master of Science in Analytical Chemistry is open to any candidate completing B.Sc. Examination, scoring minimum 60% pass percentage with 6 Units Chemistry along with Analytical Chemistry as one of the courses. The selection of the candidate for PG is purely on merit, based on the performance of the student at T.Y.B. Sc. University Examination.

Total Number of Seats (including reserved seats): 20

Credits Required to complete the Programme:80

Course Structure M.Sc. Analytical Chemistry

Courses	Sem I	Sem II	Sem III	Sem IV	Total
Discipline Specific Course (DSC)	16	16			32
Discipline Specific Electives (DSE)	4	4	8		16
Generic Electives(GE)			4		4
Research Specific Electives (RSE)			8	4	12
Discipline Specific Dissertation (DSD) / Internship (I)				16	16
Total	20	20	20	20	80

Course Information (a)

Semester I (20 credits)

Course Code	Course Type	Course Title	Credits
PGMP-CHE-DSC-401	Discipline Specific Core (DSC)	General Inorganic Chemistry	4
PGMP-CHE-DSC-402	Discipline Specific Core (DSC)	General Physical Chemistry	4
PGMP-CHE-DSC-403	Discipline Specific Core (DSC)	Fundamentals of Organic Chemistry	4
PGMP-CHE-DSC-404	Discipline Specific Core (DSC)	Laboratory Course in Physical Chemistry	2
PGMP-CHE-DSC-405	Discipline Specific Core (DSC)	Laboratory Course in Organic Chemistry	2
	Total Credits for Discipline Specific Core subjects		16
	Discipline Specific Elective (DSE)	Discipline Specific Elective I	2
	Discipline Specific Elective (DSE)	Discipline Specific Elective II	2
	Total Credits for Discipline Specific Elective subjects		4
<u>Total Minimum Credits for Semester I – 20</u>			
	List of Discipline Specific Electives I and II		
PGMP-CHE-DSE-401	Reaction Mechanisms in Organic Chemistry		2
PGMP-CHE-DSE-402	Topics in Physical Chemistry		2
PGMP-CHE-DSE-403	Diffraction Methods		2

Semester II (20 credits)

Course Code	Course Type	Course Title	Credits
PGMP-CHE-DSC-406	Discipline Specific Core (DSC)	Spectroscopy in Chemistry	4
PGMP-CHE-DSC-407	Discipline Specific Core (DSC)	Fundamentals of Chemical Analysis	4
PGMP-CHE-DSC-408	Discipline Specific Core (DSC)	Spectral Methods of Analysis	4
PGMP-CHE-DSC-409	Discipline Specific Core (DSC)	Laboratory Course in Analytical Chemistry	2
PGMP-CHE-DSC-410	Discipline Specific Core (DSC)	Laboratory Course in Inorganic Chemistry	2
	Total Credits for Discipline Specific Core subjects		16
	Discipline Specific Elective (DSE)	Discipline Specific Elective III	2
	Discipline Specific Elective (DSE)	Discipline Specific Elective IV	2
	Total Credits for Discipline Specific Elective subjects		4
<u>Total Minimum Credits for Semester II – 20</u>			
List of Discipline Elective III and IV:			
PGMP-CHE-DSE-404	Topics in Inorganic Chemistry		2
PGMP-CHE-DSE-405	Reagents in Organic Synthesis		2
PGMP-CHE-DSE-406	Bio analytical Chemistry		2

Semester III (20 credits)

Course Code	Course Type	Course Title	Credits
	Discipline Specific Elective (DSE)	Discipline Specific Elective V	2
	Discipline Specific Elective (DSE)	Discipline Specific Elective VI	2
	Discipline Specific Elective (DSE)	Discipline Specific Elective VII	2
	Discipline Specific Elective (DSE)	Discipline Specific Elective VIII	2
	Total Minimum Credits for Discipline Specific Elective subjects		8
	Discipline specific research Electives (DSRE)	Research Specific Elective-I	4
	Discipline specific research Electives (DSRE)	Research Specific Elective-II	4
	Total Minimum Credits for Discipline Specific Research Elective subjects		8
	Generic Elective (GE)	Generic Elective I (From other Department)	2

		Generic Elective II (From other Department)	2
	Total Minimum Credits for Generic Elective subjects		4
<u>Total Minimum Credits for Semester III – 20</u>			
	List of Discipline Specific Electives V VI VII and VIII		
PGMP-CHE-DSE-501	Calibrations and Validation		2
PGMP-CHE-DSE-502	Methods of Analysis		2
PGMP-CHE-DSE-503	Advanced NMR Spectroscopy		2
PGMP-CHE-DSE-504	Separation Techniques		2
PGMP-CHE-DSE-505	Quality Assurance and Quality Control in Analytical Chemistry		2
PGMP-CHE-DSE-506	Chemometrics		2
	List of Discipline Specific Research Electives I and II		
PGMP-CHE-DSRE-501	Research Methodology & Academic writing		4
PGMP-CHE-DSRE-502	Experiments in Analytical Chemistry		4
PGMP-CHE-DSRE-503	Experiments on Analytical Instrumentation		4
	List of Generic Elective (For M.Sc. Chemistry Students)		
	To be opted from other PG departments		4
	List of Generic Elective I and II (To be offered by M.Sc. CHEMISTRY)		
PGMP-CHE-GE-501	Food chemistry and Nutrition		2
PGMP-CHE-GE-502	Environmental Chemistry		2
PGMP-CHE-GE-503	Application of Chemistry in Everyday Life		2

Semester IV (20 Credits)

Course Code	Course Type	Course Title	Credits
	Discipline specific research Electives (DSRE)	Research Specific Elective-III	2
	Discipline specific research Electives (DSRE)	Research Specific Elective-IV	2
	Total Minimum Credits for Discipline Specific Research Elective subjects		4
PGMP-CHE-DSR/I-501	Discipline Specific Research or Internship		16
<u>Total Minimum Credits for Semester IV – 20</u>			
	List of Discipline Specific Research Elective subjects III and IV		
PGMP-CHE-DSRE-504	Synthesis of Inorganic Materials		2
PGMP-CHE-DSRE-505	Catalysis		2
PGMP-CHE-DSRE-506	Applied Organic Chemistry		2
PGMP-CHE-DSRE-507	Nanomaterials		2

For additional information contact:

Ind000@chowgules.ac.in

Master of Science in Geoinformatics

(M.Sc. in Geoinformatics)

(Self-Financed)

Programme Code: PGMP-GIS

Duration: Two Years (Four Semesters)

Objective of the Programme:

The aim of M.Sc in Geoinformatics is to develop students with strong practical and theoretical knowledge of diverse disciplines in geospatial technology and professional skills through various activities and initiatives of the department enabling them to acquire software skills and knowledge in order to improve their employability. The programme also includes courses which guide the students towards improving research writing skills. The students undertake and work on live projects in national research institutes like NRSC, IIRS & NIO to get hands-on experience. The main focus is on research, entrepreneurship, teaching and geospatial skills.

Eligibility and Selection Procedure:

A graduate with a minimum score of 50% (CGPA of 5.3 and above in case of CBCS) in the final Examination of any B.Sc. programme or M.A. with Geography from a recognized University/Institute is eligible. Students with courses related to earth science may also apply; however, their selection will be based on their performance in the Aptitude Test in Geography, conducted by the department.

Total Number of Seats (including reserved seats): 20

Credits required for completing the programme: 80

Sr. No.	Nature of Courses	Credits Required
1	Discipline Specific Core	32
2	Discipline Specific Elective	16
3	Generic Elective	04
4	Research Specific Elective	12
5	Project /Internship	16
Total		80

Course Structure - M.Sc. in Geoinformatics

PGM-GIS	Odd Semester	Even Semester
	First Semester	Second Semester
Part One	Discipline Specific Core - 16	Discipline Specific Core – 16
	Discipline Specific Elective - 04	Discipline Specific Elective – 04
	Total First Semester Credits =20	Total Second Semester Credits = 20
	Third Semester	Fourth Semester
Part Two	Research Specific Elective - 12	Project - 16
	Generic Elective 04	
	Discipline Specific Elective 04	Discipline Specific Elective 04
	Total Third Semester Credits = 20	Total Fourth Semester Credits = 20

Course Information (a)

Course Code	Course Title	Credits (2+2=4)
SEMESTER I		
PGMP-GIS-DSC-401	Basics of GIS and GPS	4
PGMP-GIS-DSC-402	Basics of Remote Sensing and Photogrammetry	4
PGMP-GIS-DSC-403	Advanced of Geostatistics	4
PGMP-GIS-DSC-404	Advanced Digital Cartography	4
PGMP-GIS-DSE-401	Principles of Computer and Programming	4
PGMP-GIS-DSE-402	Applications of GIS Techniques in Entrepreneurship	4
SEMESTER II		
PGMP-GIS-DSC- 405	Spatial Analysis & Modeling	4
PGMP-GIS-DSC-406	Advanced Remote Sensing and GIS	4
PGMP-GIS-DSC-407	Digital Image Processing	4
PGMP-GIS-DSC-408	Field techniques and Report writing	4
PGMP-GIS-DSE- 403	Programming & Customization	4
PGMP-GIS-DSE-404	GIS for Business and Service Planning	4
SEMESTER III		
PGMP-GIS-DSE-501	Applications of GIS in Urban and Regional Planning	4
PGMP-GIS-RSE- 501	Advanced Research Methodology	4
PGMP-GIS-RSE-502	Research Applications in Resource Management	4
PGMP-GIS-RSE-503	Research Applications in Agriculture and Soil	4
PGMP-GIS-GE-501	WEB GIS and development of web Application	4
SEMESTER IV		
PGMP-GIS-I-501	Project/ Internship	16
Elective subject		
PGMP-GIS-DSE-502	Applications of GIS in Disaster Management/Agriculture/Urban Planning/Tourism etc. (Online)	4

For additional information contact:

Dr. Anil Yedage asy002@chowgules.ac.in

Master of Science in Information Technology

(M.Sc. in Information Technology)

(Self-Financed)

Programme Code: PGMP-IT

Duration: Two Years (Four Semesters)

Objective of the Programme:

The aim of M.Sc. in Information Technology is to provide the students with strong theoretical and practical knowledge of different disciplines in Information Technology and to develop their skills in software development and research so that they become competent to join the IT industry or academic organizations.

MSc IT curriculum includes Discipline Specific Core (DSC) courses in Operating Systems and Networks, Advanced Database Management Systems, Machine Learning, and Design & Analysis of Algorithms etc. The Discipline Specific Elective (DSE) courses include Data Mining, Cloud Computing, Web Development Frameworks, Mobile Application Development to name a few. From the new academic year 2024-2025 MSc IT will also have Discipline Specific Research Electives (DSRE) such as Research Methodology, Data Analytic, Neural Network and Deep Learning, and Natural Language Processing etc.

Apart from regular lectures, presentations and assignments, the department also organizes workshops and lectures on recent technologies delivered by industry professionals. Student's projects and assignments undergo rigorous verification & validation by faculty and industry experts. The students undertake and work on live projects through FOSS (Free Open Source Software) Club to get hands-on experience.

Fourth Semester of MSc IT is entirely for Industrial Internship or Dissertation work. The department placement team and well connected alumni network facilitate students appear the selection process of various IT companies in Goa and neighboring states. After successful completion of their internships most students get absorbed in the same companies as regular employees. NIC Goa, IMMO Tech, Creative Capsule, Anant Infomedia, 3D Systems, OPSPL, Numadic, Spintly, BigDev are names of some companies worth mentioning where our students did their internships from and continue to excel.

Eligibility and Selection Procedure:

Candidates with B.Sc. (Computer Science) / B.C.A. /B. Voc (Software Development)/ Equivalent degree with a minimum score of 55% at degree level are eligible. Candidates with a score of 60% and above at PGDCA. and at least a minimum 50% at B.Sc. (Computer Science) /B.C.A. /Equivalent are also eligible to apply.

OR

B. Sc. in Mathematics/Physics/Statistics/Electronics with minimum score of 55% at Degree level. Such candidates will be required to complete bridge courses. (For details about Bridge Courses refer to the link:

<http://node01.chowgules.ac.in/pub/webassets/admission/prospectus/2024/Bridge%20Courses%20for%20MSc%20IT.pdf>)

OR

Bachelor degree in Science with 55% at Degree level and PGDCA with a minimum of 60% and above.

NOTE: Apart from the eligibility conditions mentioned above, selection of candidates will be done on merit on the basis of their performance at the Admission Ranking Test for MSc IT.

Total Number of Seats (including reserved seats): 20

Credits required for completing the programme: 80

Sr. No.	Nature of Courses	Credits Required
1	Discipline Specific Core (DSC) Theory Courses	22
2	Discipline Specific Core (DSC) Laboratory Courses	10
3	Discipline Specific Elective (DSE) Courses	16
4	Discipline Specific Research Elective (DSRE) Courses	12
5	Generic Elective	04
6	Industrial Project or Dissertation	16
	Total Credits Required	80

Course Structure - M.Sc. in Information Technology

PGMP-IT	Odd Semester	Even Semester
Part One	First Semester	Second Semester
	Core Theory Courses Credits - 12	Core Theory Courses Credits - 10
	Core Laboratory Courses Credits - 04	Core Laboratory Courses Credits - 06
	Elective Courses Credits - 04	Elective Courses Credits - 04
	Total First Semester Credits = 20	Total Second Semester Credits = 20
Part Two	Third Semester	Fourth Semester
	Discipline Elective Courses Credits - 08	Industrial Project or Dissertation Credits - 16
	Research Elective Courses Credits- 12	
	Generic Elective- 04	
	Total Third Semester Credits = 24	Total Fourth Semester Credits = 16

Course Information (a)

Sr. No.	Course Titles	Course Code	Course Credits
	CORE COURSES		
	Semester I		
1	Advanced Data Structures and Algorithms	PGMP-IT-DSC-401	4
2	Operating Systems and Networks	PGMP-IT-DSC-402	4
3	Machine Learning	PGMP-IT-DSC-403	4
4	Data Structures and Algorithms Lab	PGMP-IT-DSC-404	2
5	Operating Systems and Networks Lab	PGMP-IT-DSC-405	2
	Semester II		
6	Design and Analysis of Algorithms	PGMP-IT-DSC-406	4
7	Advanced Database Management Systems	PGMP-IT-DSC-407	4
8	Software Architecture, Design Patterns and Frameworks	PGMP-IT-DSC-408	2
9	Design and Analysis of Algorithms Lab	PGMP-IT-DSC-409	2
10	Advanced Database Management Systems Lab	PGMP-IT-DSC-410	2
11	Software Architecture, Design Patterns and Frameworks Lab	PGMP-IT-DSC-411	2

Course Information (b)

Sr. No.	Course Titles	Course Code	Course Credits
SEMESTER 1: DISCIPLINE SPECIFIC ELECTIVESI			
1	Cloud Computing	PGMP-IT-DSE-401	4
2	Software Quality Assurance and Testing	PGMP-IT-DSE-402	4
3	Computer Graphics	PGMP-IT-DSE-403	4
4	Compiler Design	PGMP-IT-DSE-404	4
SEMESTER 2: DISCIPLINE SPECIFIC ELECTIVESII			
5	Web Development Frameworks	PGMP-IT-DSE-405	4
6	Mobile Application Development	PGMP-IT-DSE-406	4
7	Agile Methodology and DevOps	PGMP-IT-DSE-407	4
8	Cryptography and Network Security	PGMP-IT-DSE-408	4
SEMESTER 3: DISCIPLINE SPECIFIC ELECTIVESIII & IV			
9	Data Mining	PGMP-IT-DSE-501	4
10	Information Retrieval	PGMP-IT-DSE-502	4
11	Information Security	PGMP-IT-DSE-503	4
12	Parallel and Distributed Computing	PGMP-IT-DSE-504	4
13	Soft Computing	PGMP-IT-DSE-505	4
14	Digital Image Processing	PGPM-IT-DSE-506	4
SEMESTER 3: DISCIPLINE SPECIFIC RESEARCH ELECTIVESI &II			
15	Research Methodology	PGMP-IT-DSRE-501	6
16	Data Analytic	PGMP-IT-DSRE-502	6
17	Modeling and Simulation	PGMP-IT-DSRE-503	6
18	Blockchain Technologies	PGMP-IT-DSRE-504	6
19	Natural Language Processing	PGMP-IT-DSRE-505	6
20	Neural Networks and Deep Learning	PGMP-IT-DSRE-506	6
SEMESTER 3: GENERIC ELECTIVE			
21	To be opted from other PG Departments		4
Electives for Students of other PG Programmes			
22	Programming using Python	PGMP-IT-GE-501	4
23	Introduction to Web designing	PGMP-IT-GE-502	4
24	Content Management System	PGMP-IT-GE-503	4
25	Education Technology	PGMP-IT-GE-504	4
SEMESTER 4: INTERNSHIP / DISSERTATION			
26	Industrial Internship	PGPM-IT-DSI-501	16
27	Dissertation	PGPM-IT-DSR-501	16

For additional information contact:

Mr. Gajanan Nial gpn000@chowgules.ac.in

Mr. Mahesh Matha mmp001@chowgules.ac.in

Master of Science in Life Sciences

(M.Sc. – Life Sciences)

(Self-Financed)

Programme Code: PGMP-LS

Duration: Two years (Four semesters)

Objective of the Programme:

The M.Sc in Life Sciences Programme is a first of its kind to be offered in the state of Goa. Embark on a transforming journey with our M.Sc. Life Sciences programme, which is precisely designed to provide students with a thorough understanding of essential disciplines such as Cell and Molecular Biology, Advanced and Applied Microbiology, Animal Behaviour and Biochemistry. Explore specialised fields such as Cell signaling and regulation, Developmental Biology, Plant and Animal Physiology, Animal and Plant Biotechnology, Bioinformatics, Immunology, Molecular biology and Genetic engineering, Genomics and Proteomics and Cytogenetics, while sharpening practical skills through hands-on activities and online tools. Our innovative curriculum includes elective courses ranging from Fermentation Technology, Marine Biology, Human genetics, Industrial biotechnology, Economic botany and zoology to Nanobiotechnology, guaranteeing a well-rounded learning experience. Additionally, there will be a dedicated emphasis on core research. Obtain an opportunity to pursue required internships in reputed biopharmaceutical companies, pathology laboratories and research institutes, culminating in a dissertation or internship project. Join us as we explore the most recent discoveries in life sciences through guest lectures, while also developing analytical skills and a desire to discover. The programme will provide opportunities to students to pursue careers in academia, research, pharmaceutical and healthcare industries and enrol for Ph.D. Programmes.

Eligibility and Selection Procedure:

A graduate of the B.Sc Programme in Botany/ Zoology/ Biotechnology/ Biochemistry/ Microbiology from a recognised University/Institute with a minimum score of 50% (CGPA of 5.3 and above in case of CBCS) is eligible to apply.

Selection of the candidates will be done on merit based performance at admission entrance test.

The admission entrance test holds a total weightage of 100 marks. The test comprises of two sections which are as follows:

- Section I- General aptitude and logical reasoning -30 marks
- Section II-Subject specific domains of Life Sciences (i.e. Botany, Zoology, Biotechnology, Biochemistry and Microbiology) - 70 marks

A candidate has to score a minimum of 30% independently in section I and II of the entrance test to qualify and obtain a ranking on the merit list.

Total Number of seats (including reserved seats): 20

Credits required for completing the programme:

2 years degree: 80

Sr. No.	Component	Credits Required
		2 years degree
1	Discipline specific core (DSC) courses	32
2	Discipline specific elective (DSE) courses	16
3	Generic electives (GE)	04
4	Research specific elective (RSE)	12
5	Discipline specific dissertation (DSD)/	16
	Total Credits Required	80

Course structure for M.Sc.in Life Sciences

Sem ester	Course Code	Course title (4 credits/course)	Nomenclature	Total Credits (80 credits)
I	PGMP-LS-C-1	Cell and Molecular Biology	DSC	16 credits (4 DSC's) + 4 credits (1 DSE) = 20 credits
	PGMP-LS-C-2	Advanced and Applied Microbiology		
	PGMP-LS-C-3	Biochemistry		
	PGMP-LS-C-4	Developmental Biology		
	PGMP-LS-E-1	Instrumentation and Techniques	DSE	
	PGMP-LS-E-2	Toxicology		
	PGMP-LS-E-3	Fermentation technology		
	PGMP-LS-E-4	Animal Behaviour		
II	PGMP-LS-C-5	Cell signalling and Regulation	DSC	16 credits (4 DSC's) + 4 credits (1 DSE) = 20 credits
	PGMP-LS-C-6	Immunology		
	PGMP-LS-C-7	Plant and Animal Physiology		
	PGMP-LS-C-8	Cytogenetics		
	PGMP-LS-E-5	Bioinformatics and Bioethics	DSE	
	PGMP-LS-E-6	Marine Biology		
	PGMP-LS-E-7	Pharmacology		
	PGMP-LS-E-8	Biostatistics		
III	PGMP-LS-E-9	Animal Biotechnology	DSE	8 credits (2 DSE's) + 4 credits (Generic elective) + 8 credits (Research specific electives) = 20 credits
	PGMP-LS-E-10	Plant tissue culture		
	PGMP-LS-E-11	Nanobiotechnology		
	PGMP-LS-E-12	Human Genetics		
	PGMP-LS-E-13	Industrial Biotechnology		
	PGMP-LS-E-14	Molecular biology and Genetic engineering		
	PGMP-LS-E-15	Genomics and Proteomics		
	PGMP-LS-E-16	Economic Botany and Zoology		
IV	-	Research specific elective	RSE	4 credits (RSE) + 16 credits (DSD/I) = 20 credits
	-	Discipline specific Dissertation/ Internship	DSD/I	

For additional information contact:

principalsoffice@chowgules.ac.in

Ms. Ravina Pai rrp019@chowgules.ac.in

Campus Discipline and a Conducive Environment

The College is making concerted efforts to provide relevant education of global standards in a disciplined and conducive environment. For this purpose the College follows policies pertaining to the Library, Academic Integrity and Avoidance of Plagiarism, Prevention of Sexual Harassment, Information Technology and Information Systems Security, Intellectual Property Rights. These policies are available on the college website. Students are required to abide by these policies. These policies and following regulations are some building blocks of this environment and all students are required to take note of them and follow them.

Computers Usage Rules

College encourages students to use laptops and to bring their personal laptops to the class. Students can also use the Computer Lab. 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. The college is also NOT responsible if the vehicle is towed away if parked in 'No Parking Area'.

Stand against Ragging

The College strictly follows the anti-ragging policy of Goa University. Whoever directly or indirectly commits, participates in, abets or instigates others to violation shall be suspended/expelled/rusticated and shall be liable to pay a fine.

Important Note

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

Apply online
<http://apply.chowgules.ac.in>



Fatorda, Gogol, Margao, Goa-403602

Phone: 0832-2722222, Fax: 0832-2759067

 www.chowgules.ac.in

 principal@chowgules.ac.in

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

MASTER OF ARTS (M.A.)

2024-25

INDEX TABLE

Sr. No.	Content	Page
1.	Introduction	2
2.	Master of Arts in Child Psychology and Child Development	4
3.	Master of Arts in English	8
4.	Master of Arts in Geography	12
5.	Campus Discipline and a Conducive Environment	15

Introduction

Chowgule Education Society's, Parvatibai Chowgule College of Arts and Science, Margao-Goa, founded in 1962, is an Autonomous institution of higher education within the Goa University system since 2014. This premier educational institution has been accredited by the National Assessment and Accreditation Council (NAAC) at Grade A+.

Since becoming autonomous the College introduced the Choice Based Credit System (CBCS) in all its undergraduate and postgraduate educational programmes. Besides the CBCS, the revision of the programmes was done by taking into account the employability issues. The College is presently involved in strengthening its outcome-based education and evolving it further so as to meet the needs of the present-day generation.

The College is directed by its mission and vision to seek higher distinctions and impart quality education with innovative curriculum, appropriate teaching-learning-evaluation methodologies, twenty-first century technologies and better infrastructure.

Under the choice-based credit system the College offers core courses and elective courses in each of its educational programmes both at the undergraduate and postgraduate levels. Its postgraduate programmes are governed by Autonomy Ordinances (AO), AO-5 for master's degree programmes and AO-9 for postgraduate diploma programmes.

The postgraduate degree programmes (2 years) offered by the College on self-financed basis are:

1. Master of Arts in Child Psychology and Child Development
2. Master of Arts in English
3. Master of Arts in Geography
4. Master of Science in Analytical Chemistry
5. Master of Science in Geoinformatics
6. Master of Science in Information Technology
7. Master of Science in Life Science

The postgraduate degree programmes are two-years-four-semester full time programmes carrying a minimum of 80 credits and the postgraduate diploma programmes are one-year-two-semester full time programmes carrying a minimum of 40 credits. The courses are conducted using a range of teaching-learning-evaluation methodologies evolved conceptually and through the use of ICT processes. For instance the outcome-based-education followed by many teaching departments is a conceptually evolved methodology, whereas the flipped classroom has evolved as a result of the use of ICT and LRMS. The aim of excellence has been a driving force for innovative developments in learning programmes at the College.

A student's learning is evaluated in the courses through continuous assessments using various evaluation methodologies and through a comprehensive semester-end examination. The evaluation is done not only to determine a student's grasp of the subject-knowledge in the course but also to determine the extent of other skills acquired such as critical-thinking, analysing, out-of-the-box thinking, oral and written communication, referencing, etc. The performances of a student in the various courses are graded and a CGPA (Cumulative Grade-Point Average) is calculated so as to ascertain the student's overall performance in the programme.

This prospectus provides information, in a nutshell, on these above-listed programmes for the benefit of students who are deciding about taking admission to any of these programmes.

How to apply for admission:

For all postgraduate degree programmes, apply online

<http://apply.chowgules.ac.in>

Complete the online admission form as per instructions provided therein.

For further details and queries:

Email: sfpadmission@chowgules.ac.in

Master of Arts in Child Psychology and Child Development

(M.A. in Child Psychology and Child Development)

(Self-Financed)

Programme Code: PGMP-PSY

Duration: Two Years (Four Semesters)

Objectives of the Programme:

The M. A. Programme in Psychology of the Department of Psychology of Parvatibai Chowgule College of Arts and Science (Autonomous) is driven by its core objective to equip the students with in-depth knowledge and expertise in Child Psychology and Child Development. The syllabus has been specifically designed to bridge the gap between education and industry. With major emphasis on skill-based courses, the M.A. Programme intends to equip students with the knowledge and skills required to deal with issues pertaining to children. This course emphasizes on experiential learning with focus on research, case study method and internship. To gain skills and practical knowledge, the student will be exposed to various field trips, institutions working with child development and will have experiential learning through various case studies.

On successful completion of the course, students will be eligible to work as psychologists, psychotherapists and counsellors in schools, counselling centres & child development centres. Students can also join in the field of academics and research related to child psychology & child development.

Eligibility and Selection Procedure:

Admission to the two year, four semesters, full time programme leading to the degree of Master of Arts in Psychology is based on merit. It is open to any candidate passing the Bachelor's Degree Examination in Psychology with a minimum score of 50%. Students from other disciplines can seek admission provided there are seats available and will be required to clear the entrance examination conducted at the college level. Proficiency in the English language is a basic requirement for the programme.

Total Number of Seats (including reserved seats):20

Credits required for completing the programme:80

Sr. No.	Nature of Courses	Credits Required
1	Discipline Specific Core (DSE)	32
2	Discipline Specific Elective (DSE)	16
3	Discipline specific research Electives (DSRE)	12
4	Generic Elective (GE)	04
5	Discipline Specific Internship (DSR/I)	16
	TOTAL	80

Course Structure-M.A. in Child Psychology and Child Development

PGM-PSY	Odd Semester	Even Semester
	First Semester	Second Semester
Part One	Child Psychopathology -04	Counseling Approaches -04
	Research Methodology for Psychology-I - 04	Research Methodology for Psychology-II - 04
	Advanced Statistics for Psychology-04	Research Writing -04
	Counseling Therapies for Children I-04	Counseling Therapies for Children II-04
	Discipline Specific Elective I-04	Discipline Specific Elective II-04
	Total First Semester Credits=20	Total Second Semester Credits=20
	Third Semester	Fourth Semester
Part Two	Discipline Specific Elective III-04	Research Specific Elective Practical - I -02
	Discipline Specific Elective IV - 04	Research Specific Elective Practical - II - 02
	Research Specific Elective-I -04	Research Elective Course Credits-04
	Research Specific Elective-II-04	Discipline Specific Internship-16
	Generic Elective I -04	
	Total Third Semester Credits=20	Total Fourth Semester Credits=20

Course Information (a)

Sr. No.	Course Titles	Course Code	Course Credits
	Semester I		
	Core Courses		
1	Child Psychopathology	PGMP-PSY-DSC-401	04
2	Research Methodology for Psychology-I	PGMP-PSY-DSC-402	04
3	Advanced Statistics for Psychology	PGMP-PSY-DSC-403	04
4	Counseling Therapies for Children I (Practical)	PGMP-PSY-DSC-404	04
5	Discipline Specific Elective I		
	5.1 Child Development	PGMP-PSY-DSE-401	04
	OR		
	5.2 Pediatric Psychology	PGMP-PSY-DSE-402	04
	OR		
	5.3 Child & Crime	PGMP-PSY-DSE-403	04
	Semester II		
	Core Courses		
1	Counseling Approaches	PGMP-PSY-DSC-405	04
2	Research Methodology for Psychology-II	PGMP-PSY-DSC-406	04
3	Research Writing	PGMP-PSY-DSC-407	04
4	Counseling Therapies for Children II (Practical)	PGMP-PSY-DSC-408	04
5	Discipline Specific Elective II		
	5.1 Children with Special needs	PGMP-PSY-DSE-404	04
	OR		
	5.2 Early Childhood Education	PGMP-PSY-DSE-405	04
	OR		
	5.3 Rehabilitation Psychology	PGMP-PSY-DSE-406	04
	Semester III		
1	List of Discipline Specific Electives III & IV		
	1.1 Positive Psychology	PGMP-PSY-DSE-501	04
	1.2 Psychology of Adolescence	PGMP-PSY-DSE-502	04
	1.3 Theories of Personality	PGMP-PSY-DSE-503	04
	1.4 NGO Management		04
	Note: Students can opt for any two Discipline Electives from above & complete 8 credits	PGMP-PSY-DSE-504	
2	List of Discipline Specific Research Electives I & II		
	1.5 Management of Learning Disabilities	PGMP-PSY-DSRE-501	04
	1.6 Child Development – Practicum	PGMP-PSY-DSRE-502	04
	1.7 School Counseling	PGMP-PSY-DSRE-503	04
	1.8 Counseling with Parents	PGMP-PSY-DSRE-504	04
	Note: Students can opt for any two Research Electives from above & complete 8 credits		

3	List of Generic Elective I(For MA PSY Students) To be opted from other PG departments List of Generic Elective I (To be offered by MA PSY) Communication and Conflict Management in Organizations Community Psychology Health Psychology Advanced Statistical Analysis Note: Total Minimum Credits for Generic Elective course is 4	PGMP-PSY-GE- 501 PGMP-PSY-GE- 502 PGMP-PSY-GE- 503 PGMP-PSY-GE- 504	04 04 04 04
.	Semester IV		
1	Discipline Specific Research Elective – I& II Management of Learning Disabilities – Research Child & Crime – Research School Counseling– Research Counseling with Parents– Research Note: Students can opt for any two Research Electives from above & complete 4 credits	PGMP-PSY-DSRE-505 PGMP-PSY-DSRE-506 PGMP-PSY-DSRE-507 PGMP-PSY-DSRE-508	02 02 02 02
2	Discipline Specific Internship	PGMP-PSY-DSR/I-501	16

For additional information contact:

Program Coordinator abm002@chowgules.ac.in

Dr. Sobita Kirtani Incharge of the Department svk004@chowgules.ac.in

Master of Arts in English

(M.A. in English)

(Self-Financed)

Programme Code: PGMP-ENG

Duration: Two Years (Four Semesters)

Objectives of the Programme:

The M.A. program in English lays emphasis on literature courses, skill-based courses, and contemporary literary courses and is specially designed to bridge the gap between education and industry. The program focuses on experiential learning while underscoring research, teaching, creative writing and writing for the media. The two-year program is a mix of core and elective papers with a blend of theory and skill based courses. The students will be submitting their final dissertation at the end of the two-year program.

To attain this objective, the department uses several innovative teaching-learning methods - interactive methods of teaching English language and literature, screening of films based on English novels and plays, use of audio-visuals in teaching. The Department also pays equal attention to the co-curricular and extracurricular activities, through their MA English student Initiative-Ignite. Through this the students have organized community panel discussions, Book-chats, celebrated cultural Days-Asian Literature Day, Gaia – World Literature Day and even Cosplay events such As-Mythos and also organized Symposium in the past.

Eligibility and Selection Procedure:

Students who have completed B.A. with English (Honours/Single Major) or English (Regular/Double Major/Major in Major/Minor), well-versed in English language, have a passion for language and literature, are technologically savvy, and who are inclined towards creativity, are eligible to enroll in the programme. Any student who has a strong desire to study English literature and its allied courses may seek admission with the following eligibility conditions:

- (a) Graduate with minimum score of 60% preferably with English, and
- (b) Any student from other discipline may seek admission through a change of faculty exam conducted by the department prior to admission (provided seats are available).

Total Number of Seats (including reserved seats): 20

Credits required for completing the programme: 80

Course Structure-M.A. in English

Courses	Sem1	Sem2	Sem3	Sem4	Total Credits
Discipline Specific Core (DSC)	16	16			32
Discipline Specific Elective (DSE)	04	04	08		16
Generic Electives (GE)			04		04
Research Specific Elective (RSE)			08	04	12
Discipline Specific Dissertation /Internship (DSD/I)				16	16
Total credits	20	20	20	20	80

Course information (a)

Semester	Course Code	Course Title	Credits
I	PGMP – ENG-DSC- 401	English Poetry	4
	PGMP – ENG-DSC- 402	Exploring Narratives in Fiction	4
	PGMP – ENG-DSC- 403	Twentieth Century English Drama	4
	PGMP – ENG-DSC- 404	Indian Literature in English	4
		DISCIPLINE ELECTIVE (any one from the pool of electives)	4

Semester	Course Code	Course Title	Credits
II	PGMP – ENG-DSC- 405	Literary Theory	4
	PGMP – ENG-DSC- 406	Linguistics	4
	PGMP – ENG-DSC- 407	Asian Literature	4
	PGMP – ENG-DSC- 408	World Literature	4
		DISCIPLINE ELECTIVE (any one from the pool of electives)	4

POOL OF ELECTIVES		
<i>(Sem I and Sem II)</i>		
Course Code	Course Title	Credits
PGMP-ENG- DSE-401	Modern European Literature	4
PGMP-ENG- DSE-402	Visual Literature- Perspectives	4
PGMP-ENG- DSE-404	Children’s Literature	4
PGMP-ENG- DSE-406	Shakespeare	4
PGMP-ENG- DSE-407	Creative Writing	4
PGMP–ENG- GE- 501	Popular Literature	4

Semester	Course Code	Course Title	Course	Credits
III	PGMP –ENG-DSE-501	Postcolonial: Theory and Practice	Discipline Specific Elective	4
	AW	Academic Writing	Generic Elective (for PG English)	4
	DRSE 1	(any one from the pool of electives)	Discipline Research Specific Elective	4
	DRSE 2	(any one from the pool of electives)	Discipline Research Specific Elective	4
	GE-1	(any one from the pool of electives)	Generic Elective (for other dept)	4

POOL OF ELECTIVES Discipline Research Specific Elective (for MA English students) (Sem III)	POOL OF ELECTIVES Generic Elective (for other department students) (Sem III)
PGMP-ENG-DSE-502 Mythology, Archetype & Literature	PGMP- ENG-GE- 501 Popular Literature
PGMP-ENG-DSE-503 Women's Literature	PGMP- ENG-GE- 502 Technical Media Writing
PGMP-ENG-DSE-504 The Indian Subaltern: Dalit and Transgender Narratives	PGMP-ENG-GE-506 Green Studies
PGMP-ENG-DSE-502 Gender and Sexuality	

Semester	Course Code	Course Title	Course	Credits
IV	PGMP – ENG- DSR/I-501	Dissertation/Internship	Discipline Specific Dissertation (DSD)/Internship	16
	RW	Research Writing	Discipline Research Specific Elective	4
	1. Students who opt for dissertation in Semester 3 will be working closely under the teacher assigned. 2. Students will be divided into an equal number to all the teachers in the department.			

For additional information contact:

Ms. Finoshka Rodrigues maenglish@chowgules.ac.in

Master of Arts in Geography

(M.A. in Geography)

(Self-Financed)

Programme Code: PGMP-GEG

Duration: Two Years (Four Semesters)

Objectives of the Programme:

The M.A. Geography programme aims to develop self-assured geographers through numerous departmental activities and initiatives, enabling them to acquire skills and knowledge that will improve their employability.

Eligibility and Selection Procedure:

A student with a minimum score of 50% (CGPA of 5.3 and above in case of CBCS) at B.A/B.Sc. Examination (preferably with Geography) from a recognized University/Institute is eligible. Students with courses other than Geography may also apply; however, their selection will be based on their performance in the Aptitude Test in Geography, conducted by the department.

Total Number of Seats (including reserved seats): 20

Credits required for completing the programme: 80

Course Structure- M.A. in Geography

Sr. No.	Courses	Sem I	Sem II	Sem III	Sem IV	Total Credits
1	Discipline Specific Core (DSC)	16	16			32
2	Discipline Specific Electives (DSE)	04	04	08		16
3	Generic Electives (GE)			04		04
4	Research Specific Electives (RSE)			08	04	12
5	Discipline Specific Dissertation/Internship (DSD/I)				16	16
Total		20	20	20	20	80

Course Information (a)

Semester	Course Code	Course Title (T/P)	Credits (T+P)
Semester I Level 400 Discipline Specific Core (DSC)			
I	PGMP-GEG-DSC- 401	Advanced Geomorphology (T/P)	3+1
I	PGMP-GEG- DSC- 402	Advanced Climatology (T/P)	3+1
I	PGMP-GEG- DSC- 403	Introduction to Remote Sensing	2+2
I	PGMP-GEG- DSC- 404	Advanced Cartographic Skills in Geography	2+2
Semester I Level 400 Discipline Specific Elective (DSE)			
I	PGMP-GEG-DSE- 401	Advanced Regional Planning and Development	2
I	PGMP-GEG-DSE- 402	Techniques of Regional Analysis	2
I	PGMP-GEG-DSE- 403	Environment Impact Assessment	2
I	PGMP-GEG-DSE- 404	Natural Resources Management in India	2
I	PGMP-GEG-DSE- 405	Climate Change and Adaptations	2
Semester II Level 400 Discipline Specific Core (DSC)			
II	PGMP-GEG-DSC- 405	Advanced Population Studies in Geography	3+1
II	PGMP-GEG- DSC- 406	Advanced Economic Geography	3+1
II	PGMP-GEG- DSC- 407	Introduction to Geographic Information System	2+2
II	PGMP-GEG- DSC- 408	Field Techniques and Village Survey	2+2

Semester II Level 400 Discipline Specific Elective (DSE)			
II	PGMP-GEG-DSE- 406	Techniques of Disaster Management, Mitigation and Resilience	2
II	PGMP-GEG-DSE- 407	Geographical Thought	2
II	PGMP-GEG-DSE- 408	Advanced Urban Geography	2
II	PGMP-GEG-DSE- 409	Soil and Water Resource Management	2
II	PGMP-GEG-DSE- 410	Geography of India	2

Semester	Course Code	Course Title (T/P)	Credits (T+P)
Semester III Level 500 Generic Electives (GE)			
III	PGMP–GEG-GE- 501	Regional Perspectives of Geopolitics	04
III	PGMP–GEG-GE- 502	Geography of Wellbeing with Special Reference to India	04
III	PGMP–GEG-GE- 503	Cultural Geography	04
Semester III Level 500 Discipline Specific Elective (DSE)			
III	PGMP–GEG-DSE- 501	Tropical Climatology	04
III	PGMP–GEG-DSE- 502	Biogeography	04
III	PGMP–GEG-DSE- 503	Geography & Disaster Management	04
Semester III Level 500 Discipline Research Specific Elective (DRSE)			
III	PGMP–GEG-DRSE- 501	Fundamentals of Research Methodology	04
III	PGMP–GEG-DRSE- 502	Quantitative Techniques	04
Semester IV Level 500 Research Specific Elective (RSE)			
IV	PGMP-GEG-RSE-501	Digital Cartography in Geographical Research	04 (02+02)
Semester IV Level 500 Discipline Specific Dissertation/Internship (DSD/I)			
IV	PGMP-GEG-DSD/I -501	Dissertation/Internship	16

For additional information contact:

Dr. Adrian Ferro adf003@chowgules.ac.in

Prof. Nandkumar Sawant nns001@chowgules.ac.in

Campus Discipline and a Conducive Environment

The College is making concerted efforts to provide relevant education of global standards in a disciplined and conducive environment. For this purpose the College follows policies pertaining to the Library, Academic Integrity and Avoidance of Plagiarism, Prevention of Sexual Harassment, Information Technology and Information Systems Security, Intellectual Property Rights. These policies are available on the college website. Students are required to abide by these policies. These policies and following regulations are some building blocks of this environment and all students are required to take note of them and follow them.

Computers Usage Rules

College encourages students to use laptops and to bring their personal laptops to the class. Students can also use the Computer Lab. 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. The college is also NOT responsible if the vehicle is towed away if parked in 'No Parking Area'.

Stand against Ragging

The College strictly follows the anti-ragging policy of Goa University. Whoever directly or indirectly commits, participates in, abets or instigates others to violation shall be suspended/expelled/rusticated and shall be liable to pay a fine.

Important Note

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

Apply online

<http://apply.chowgules.ac.in>



Fatorda, Gogol, Margao, Goa-403602

Phone: 0832-2722222, Fax: 0832-2759067

 www.chowgules.ac.in

 principal@chowgules.ac.in