



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

HANDBOOK

FOR B.A. & B.Sc. DEGREE
PROGRAMMES
2023-2024



Applicable to students who have registered for First year B.A./B.Sc.
in the academic year 2023-2024 onwards

Table of Content

I. About the College	page1
II. Implementation of Autonomy	page6
III. College Autonomy Ordinance (AO) Governing the Undergraduate Degree Programmes of B.A. and B.Sc. under NEP 2020	page7
IV. A. Bachelor of Arts - B.A.	page33
B. Bachelor of Science - B.Sc.	page75
C. Credits for Extra Curricular Subjects Activities	page92
D. Enrolment for Additional Courses	page95
V. Students Resources	page96
VI. College Policies	page101
VII. Code of Conduct	page102
VIII. Administration	page104
IX. Scholarship and Prizes	page105
X. Contact Details	page107
XI. Academic Calendar 2023-24	page109

I

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 a Ph.D. programme. 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 the 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. Our college is the only college selected as Mentor Institute in the entire state of Goa.

Since its inception, the College has always been at the forefront in educational innovation. Presently the college offers twenty undergraduate degree programmes, six postgraduate degree programmes and a Ph.D. programme (Geography), 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, Mathematics, Physics, and Zoology*, and 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.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 (PGDCGMLT)*.

In addition to the above Undergraduate and Postgraduate programmes, the Chowgule Centre of Creative Arts offers a Diploma Programme in Aviation, Hospitality and Customer Service and other certificate courses such as Certificate Course in Rooms Division, Food & Beverage Service & Bartending, Multimedia course, Video Production, 3D Animation and Photography and Hotel Management.

Besides being an academic institution focusing on quality education, college is also actively involved in encouraging research. Multiple programmes and workshops are conducted to sensitize and promote quality research and create conducive research environment for faculty and students. College has well defined Policies for research promotion and research ethics. Besides having 07 specialised research laboratories, a 'Central research lab' was established in 2018, to upgrade available science research facilities for advanced research & training. This was funded through RUSA and DBT Star College Scheme. The college faculty is engaged in active research through research proposal funded by DST (SERB), DBT, DHE, ICSSR, DSTE (Goa Government) etc. The faculty also undertakes consultancy projects funded by Government of Goa.

The College has adequate 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 (SWAYAM, NPTEL, 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, cafeterias, facility for photocopying, ladies rest-rooms, spacious well-laid four-wheeler and two-wheeler parking grounds, estate office and new administrative offices.

This institution also renders various support services such as Office of Information Technology, Staff Advisory Programme (mentoring), Student Support Services that guides and motivates the students to excel. Mentors play a key role in this college as they nurture students and help them remain connected and engaged, thus strengthening student's performance. Student Support Services of our College has various arms such as Writing Centre, Career & Personal Counselling Centre (CPCC) and Centre for Portuguese Language & Culture (CPLC).

Our college is 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, Faculty Development Programme (FDP) and provide them with hands-on experience/training.

The college also has a Translation Centre which is first of its kind in Goa to promote the growth of indigenous literature and knowledge, and introduce the students to the field of translation.

The college has Memorandum of Understanding and collaborations with academic institutes and industries. The college also promotes international exchange programmes and has MOU for academic and cultural exchanges with 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 through Academic Bank of Credits.

The College has remained committed to its mission of being an agent of change, assisting not only its stakeholders but also, through them, the community and the nation at large. The institution seeks to actively create well rounded students with positive values who go to become contributors to society.

II IMPLEMENTATION OF AUTONOMY

Introduction:

Parvatibai Chowgule College of Arts and Science having been affiliated to Goa University, has been conferred with Academic Autonomy by the University Grants Commission, the Goa Government and the Goa University during the academic year 2014-15. The College functions as an autonomous institution from the academic year 2015-16.

The course structure of the Autonomous College provides students an opportunity to study under the Choice Based Credit System (CBCS). Thus, students can select subjects of their choice, based on their individual aptitudes and career goals. The CBCS also provides a holistic approach in which the students can take courses of their choice, undertake additional courses and acquire more than the required credits, while adopting an interdisciplinary approach to learning.

The College follows a uniform grading system, given its significant benefits over the conventional marks system. Numerous educational institutions of repute in this nation and abroad have also opted for grading, given its merits. The grading system at Chowgule College will facilitate student mobility across institutions within and across countries, while also enabling potential employers to assess the performance of students. The College has formulated guidelines based on the UGC recommendations to produce uniformity in the grading system and in the computation of the cumulative grade point average (CGPA) based on the performance of students in the examinations.

Another progressive change being implemented is the Credit Based Semester System. It provides flexibility in designing curriculum and assigning credits based on the course content and hours of teaching. The semester system thus accelerates the teaching-learning process and enables vertical and horizontal mobility in learning.

On the basis of the UGC Curriculum and Credit Framework for Undergraduate Programmes (CCFUP), the college has evolved a curriculum adopting the National Education Policy (NEP) 2020 from the Academic year 2023-24 in a phase-wise manner. The curriculum adopts a holistic multidisciplinary approach allowing the students' flexibility in earning credits and provides a mechanism to enhance core learning with skill and vocational based training supported by internship along with value based education and ability enhancement courses.

III

Autonomy Ordinance (AO) Governing the Undergraduate (UG) Programmes of Bachelor of Arts and Bachelor of Science for 4 yr honours and honours with Research Programmes and other such Programmes of study conducted by the College based on UGC Curriculum and Credit Framework for Undergraduate Programmes (CCFUP) under NEP 2020

(Effective from Academic Year 2023-2024).

Autonomy Ordinance of Parvatibai Chowgule College of Arts and Science, an Autonomous institution affiliated to the Goa University governing the National Education Policy 2020 for Undergraduate Programmes in Arts and Science in the disciplines of Languages, Social Science, and Science based on the Curriculum and Credit Framework for Undergraduate Programme (CCFUP) by the University Grants Commission (UGC).

Introduction:

The National Education Policy (NEP) 2020 (hereafter referred to as NEP) recognizes that higher education plays an extremely important role in promoting human as well as societal well-being and in developing India as envisioned in its Constitution - a democratic, just, socially conscious, cultured, and humane nation upholding liberty, equality, fraternity, and justice for all. It notes that “given the 21st -century requirements, quality higher education must aim to develop good, thoughtful, well-rounded, and creative individuals”.

The NEP states, “Assessments of educational approaches in undergraduate education that integrate the Humanities and Arts with Science, Technology, Engineering and Mathematics (STEM) have consistently shown positive learning outcomes, including increased creativity and innovation, critical thinking and higher-order thinking capacities, problem-solving abilities, teamwork, communication skills, more in-depth learning and mastery of curricula across fields, increases in social and moral awareness, etc., besides general engagement and enjoyment of learning”

In accordance with the NEP, the UGC has formulated a new student-centric “Curriculum and Credit Framework for Undergraduate Programmes (CCFUP)” incorporating a flexible choice-based credit system, multidisciplinary approach, and multiple entry and exit options based on which the college ordinances are framed. This will facilitate students to pursue their career path by choosing the subject/field of their interest.

Objectives:

- i. Recognizing, identifying, and fostering the unique capabilities of each student to promote her/his holistic development;
- ii. Flexibility, so that learners can select their learning trajectories and programmes, and thereby choose their own paths in life according to their talents and interests;
- iii. Multidisciplinary and holistic education across the Sciences, Social sciences, Arts, Humanities, and Sports for a multidisciplinary world;
- iv. Emphasis on conceptual understanding rather than rote learning, critical thinking to encourage logical decision-making and innovation; ethics and human and constitutional values, and life skills such as communication, teamwork, leadership, and resilience;
- v. Extensive use of technology in teaching and learning, removing language barriers, increasing access for Divyang students, and educational planning and management;
- vi. Respect for diversity and respect for the local context in all curricula, pedagogy, and policy;
- vii. Equity and inclusion as the cornerstone of all educational decisions to ensure that all students are able to thrive in the education system and the institutional environment are responsive to differences to ensure that high-quality education is available for all.
- viii. Rootedness and pride in India, and its rich, diverse, ancient, and modern culture, languages, knowledge systems, and traditions.

Transformative initiatives that have a bearing on the undergraduate education:

These include:

- Introducing holistic and multidisciplinary undergraduate education that would help develop all capacities of human beings - intellectual, aesthetic, social, physical, emotional, ethical, and moral - in an integrated manner; soft skills, such as complex problem solving, critical thinking, creative thinking, communication skills; and rigorous specialization in a chosen field (s) of learning.
- Adoption of flexible curricular structures in order to enable creative combinations of disciplinary areas for study in multidisciplinary contexts that would also allow flexibility in course options to students, in addition to rigorous specialization in a subject or subjects.
- 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,
- 4-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).
- The 4-year Bachelor's degree programme would provide a better opportunity to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per the choices of the student.
- Inclusion of credit-based courses and projects in the areas of community engagement and service, environmental education, and value-based education.
- Environment education to include areas such as climate change, pollution, waste management, sanitation, conservation of biological diversity, management of biological resources and biodiversity, forest and wildlife conservation, and sustainable development and living.
- Value-based education includes the development of humanistic, ethical, constitutional, and universal human values of truth, righteous conduct, peace, love, nonviolence, scientific temper, citizenship values, and life skills.
- Lessons in service and participation in community service programmes to be an integral part of holistic education.

Curriculum Framework:

The new curriculum framework will have the following features:

- i. Flexibility to move from one discipline of study to another;
- ii. Opportunity for learners to choose the courses of their interest in all disciplines;
- iii. Facilitating multiple entry and exit options with UG certificate/ UG diploma/ or degree depending upon the number of credits secured;
- iv. Flexibility for learners to move from one institution to another to enable them to have multi and/or interdisciplinary learning;
- v. Flexibility to switch to alternative modes of learning (offline, ODL, and Online learning, and hybrid modes of learning).
- vi. Students would be able to take upto 40% of the course content from external sources. These external sources include other HEI's, Open Educational Resources (OER), Massive Open Online Courses (MOOC) and other similar modes. Students would be able to use the external content to accumulate academic credits upto 40% of the total credits of the programme through SWAYAM-NPTEL platform as approved by the respective Board of Science.

Credit hours for different types of courses:

(Refer table 1):

Credit hour: The workload relating to a course is measured in terms of credit hours.

Credit: A credit is a unit by which the coursework is measured. It determines the number of hours of instruction required per week over the duration of a semester (minimum 15 weeks).

Each course may have only a lecture component; or a lecture and tutorial component; or a lecture and practicum component; or a lecture, tutorial, and practicum component; or only practicum component; or only a project component; or lecture and community engagement; or lecture and fieldwork; or lecture and studio activities; or only Seminar component; or only Internship component; or only Research methodology; or only Research work/Dissertation.

One credit for Lecture / Tutorial / Research Work / Project / Dissertation means one hour of engagement per week. In a semester of 15 weeks duration, a one-credit of Lecture / Tutorial / Research Work / Project / Dissertation in a course is equivalent to 15 hours of engagement.

A one-credit course in Practicum or Laboratory work in a semester means two-hour engagement per week. In a semester of 15 weeks duration, a one-credit of Practicum or Laboratory work in a course is equivalent to 30 hours of engagement.

A one-credit of Seminar/ Internship/ Studio activities / Field work / Community engagement and services / NSS / NCC / Sports means two-hour engagements per week. Accordingly, in a semester of 15 weeks duration, one credit in these is equivalent to 30 hours of engagement.

The following types of courses/activities constitute the programmes of study. Each of them will require a specific number of hours of teaching/guidance and laboratory/studio/workshop activities, field-based learning, internships, and community engagement and service.

Lecture: Courses involving lectures relating to a field or discipline by an expert or qualified personnel in a field of learning, work/vocation or professional practice.

Tutorial: Courses involving problem-solving and discussions relating to a field or discipline under the guidance of qualified personnel in a field of learning, work/vocation, or professional practice.

Practicum or Laboratory work: A course requiring students to participate in a project or practical or laboratory activity that applies previously learned/studied principles/theory related to the chosen field of learning, work/vocation, or professional practice under the supervision of an expert or qualified individual in the field of learning, work/vocation or professional practice.

Seminar: A course requiring students to participate in structured discussion/conversation or debate focused on assigned tasks/readings, current or historical events, or shared experiences guided or led by an expert or qualified personnel in a field of learning, work/vocation, or professional practice.

Internship: A course requiring students to participate in a professional activity or work experience, or cooperative education activity with an entity external to the education institution, normally under the supervision of an expert of the given external entity. A key aspect of the internship is induction into actual work situations. Internships involve working with local industry, government or private organizations, business organizations, artists, crafts persons, and similar entities to provide opportunities for students to actively engage in on-site experiential learning.

Studio activities: Studio activities involve the engagement of students in creative or artistic activities. Every student is engaged in performing a creative activity to obtain a specific outcome. Studio-based activities involve visual- or aesthetic focused experiential work.

Field work: Courses requiring students to participate in field-based learning/projects generally under the supervision of an expert of the given external entity

Community engagement and service: Courses requiring students to participate in field-based learning/projects generally under the supervision of an expert of the given external entity. The curricular component of 'community engagement and service' will involve activities that would expose students to the socio-economic issues in society so that the theoretical learning can be supplemented by actual life experiences to generate solutions to real-life problems.

Project: A student registered for the Undergraduate Degree Programme can carry out a project in the subject (Major) in the third year, and submit the Project Report at the end of Semester 6 for evaluation.

- (a) Student shall be assigned work for completing the Project in the area/field of subject/s. Project work and the Report shall be based on field work/library work /laboratory work or on-the-job training or similar work assigned by the teacher on a topic identified by the latter.
- (b) Project work shall be assigned to a single student or to a group of maximum 8 students. The teacher shall be assigned one or more such groups according to the requirement of the subject.

Research work/Dissertation:

- (a) Research work/Dissertation work shall be carried out individually by students and, ordinarily, it shall be spread over seventh and eighth semesters. However, the Department Faculty Council (DFC) may consider it on a case to case basis, and reduce it to the eighth semester, if it involves full field-work or dissertation in other Institutes or Industries.
- (b) The DFC shall decide at the end of the sixth semester the modalities relating to dissertations which shall be informed to the students undertaking the Undergraduate - Honours with Research Programme.
- (c) Topics for dissertations shall be finalized by the student in consultation with the guiding teacher.
- (d) The student shall declare, in the prescribed pro-forma, that the dissertation work is his/ her own work and that all the sources used are duly acknowledged.
- (e) The guiding teacher shall certify, in the prescribed pro-forma, that the dissertation is an original work of the candidate completed under his/her supervision.
- (f) Students shall submit the copy of the dissertation to the Department through the guiding teacher not later than two weeks before the end of the term. Ordinarily, no student shall be allowed to submit the dissertation after the due date.
- (g) Every student shall submit one soft copy and two bound copies of the dissertation to the Department in an appropriate format, preferably as per the format given by the Department/ Institution.

Table 1: Credit-hours Equivalence

Type	Credit in terms of hours	
Lecture/Tutorial	1 credit	15 hours of instruction
Research Work/Project/Dissertation	1 credit	15 hours engagement
Practicum/ Laboratory work	1 credit	30 hours engagement
Seminar/ Internship/ Studio activities / Field work / Community engagement and services / NSS / NCC and Sports.	1 credit	30 hours engagement
<p>Each Course may have:</p> <ul style="list-style-type: none"> ● A lecture component ● A lecture and tutorial component ● A lecture and practicum component ● Lecture and community engagement; ● Lecture and fieldwork; ● Lecture and studio activities; ● Lecture, tutorial, and practicum component ● A practicum component ● A project component ● A Seminar component; ● An Internship component. ● Research work/Dissertation 		

AO-10: Eligibility for the UG Programmes (on lines of the related GU ordinance whenever received)

Senior Secondary School Leaving Certificate or Higher Secondary (12th Grade) Certificate obtained after successful completion of Grade 12 or equivalent stage of Education corresponding to Level-4.

AO-11: Duration of the Programme:

The duration of the UG programme is 3 years or 6 semesters and 4 years or 8 semesters. Students who desire to undergo a 3-year UG programme will be allowed to exit after completion of the 3rd year. If a student wants to leave after the completion of the first or second year, the student will be given a UG Certificate or UG Diploma, respectively, provided they secure the prescribed number of credits (Table 2). Students who exit with a UG certificate or UG diploma are permitted to re-enter within three years and complete the degree programme.

Students may be permitted to take a break during the period of study but the total duration for completing the programme shall not exceed 7 years.

Table 2: 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)	At least two permanent faculty members who are recognised as Ph.D. guides	Completion within 7 years

AO-12: Awarding UG Certificate, UG Diploma, and Degrees:

AO-12.1: 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.

AO-12.2: 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.

AO-12.3: 3-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.

AO-12.4: 4-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.

AO-12.5: 4-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).

The Departments offering a 4-year UG Degree (Honours with Research) must have at least two permanent faculty members who are recognized as Ph.D. supervisors.

AO-12.6: UG Degree Programmes

AO-12.6.1: 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.

AO-12.6.2: 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

AO-12.6.3: 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 3-year/4-year UG degree to be awarded a double major. These students will not have the opportunity to obtain a minor in any subject/discipline.

AO-13: 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.

AO-13.1: 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.

AO-13.2: 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.

AO-13.2.1: 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 3 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.

AO-13.3: 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:** Students can choose basic courses from disciplines such as Natural Science, for example, Biology, Botany, Zoology, Biotechnology, Biochemistry, Chemistry, Physics, Biophysics, Astronomy and Astrophysics, Earth and Environmental Sciences, etc.
- ii. **Mathematics, Statistics, and Computer Applications:** Courses under this category will facilitate the students to use and apply tools and techniques in their major and minor disciplines.
- iii. **Humanities and Social Sciences:** The courses relating to Social Sciences, for example, Anthropology, Communication and Media, Economics, History, Linguistics, Political Science, Psychology, Social Work, Sociology, etc. will enable students to understand the individuals

and their social behaviour, society, and nation. Students are introduced to survey methodology and available large-scale databases for India.

AO-13.4: 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. The courses aim at enabling the students to acquire and demonstrate the core linguistic skills, including critical reading and expository and academic writing skills, that help students articulate their arguments and present their thinking clearly and coherently and recognize the importance of language as a mediator of knowledge and identity. They would also enable students to acquaint themselves with the cultural and intellectual heritage of the chosen MIL and English language, as well as to provide a reflective understanding of the structure and complexity of the language/literature related to both the MIL and English language. The courses will also emphasize the development and enhancement of skills such as communication, and the ability to participate/conduct discussion and debate.

AO-13.5: 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.

AO-13.6: Value-Added Courses (VAC- 06 credits)

These courses would be offered in the following areas:

- i. Understanding India: The course aims at enabling the students to acquire and demonstrate the knowledge and understanding of contemporary India with its historical perspective, the basic framework of the goals and policies of national development, and the constitutional obligations with special emphasis on constitutional values and fundamental rights and duties. The course would also focus on developing an understanding among student-teachers of the Indian knowledge systems, the Indian education system, and the roles and obligations of teachers to the nation in general and to the school/community/society. The course will attempt to deepen knowledge about and understanding of India's freedom struggle and of the values and ideals that it represented to develop an appreciation of the contributions made by people of all sections and regions of the country, and University Grants Commission to help learners understand and cherish the values enshrined in the Indian Constitution and to prepare them for their roles and responsibilities as effective citizens of a democratic society.

- ii. Environmental science/education: The course seeks to equip students with the ability to apply the acquired knowledge, skills, attitudes, and values required to take appropriate actions for mitigating the effects of environmental degradation, climate change, and pollution, effective waste management, conservation of biological diversity, management of biological resources, forest and wildlife conservation, and sustainable development and living. The course will also deepen the knowledge and understanding of India's environment in its totality, its interactive processes, and its effects on the future quality of people's lives.
- iii. Digital and technological solutions: Courses in cutting-edge areas that are fast gaining prominences, such as Artificial Intelligence (AI), 3-D machining, big data analysis, machine learning, drone technologies, and Deep learning with important applications to health, environment, and sustainable living that will be woven into undergraduate education for enhancing the employability of the youth.
- iv. Health and Wellness, Yoga education, sports, and fitness: Course components relating to health and wellness seek to promote an optimal state of physical, emotional, intellectual, social, spiritual, and environmental well-being of a person. Sports and fitness activities will be organized outside the regular institutional working hours. Yoga education would focus on preparing the students physically and mentally for the integration of their physical, mental, and spiritual faculties, and equipping them with basic knowledge about one's personality, maintaining self-discipline and self-control, to learn to handle oneself well in all life situations. The focus of sports and fitness components of the courses will be on the improvement of physical fitness including the improvement of various components of physical and skills-related fitness like strength, speed, coordination, endurance, and flexibility; acquisition of sports skills including motor skills as well as basic movement skills relevant to a particular sport; improvement of tactical abilities; and improvement of mental abilities.

AO-13.7: 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. Students will be provided with opportunities for internships with local industry, business organizations, health and allied areas, local governments (such as panchayats, municipalities), Parliament or elected representatives, media organizations, artists, crafts persons, and a wide variety of organizations so that students may actively engage with the practical side of their learning and, as a by-product, further improve their employability. Students who wish to exit after the first two semesters will undergo a 4-credit work-based learning/internship during the summer term in order to get a UG Certificate.

AO-13.8: Community engagement and service:

The curricular component of 'community engagement and service' seeks to expose students to the socio-economic issues in society so that the theoretical learning can be supplemented by actual life experiences to generate solutions to real-life problems. This can be part of summer term activity or part of a major or minor course depending upon the major discipline.

AO-13.9: Field Work:

The field-based learning will attempt to provide opportunities for students to understand the different socioeconomic contexts. It will aim at giving students exposure to development-related issues in rural and urban settings. It will provide opportunities for students to observe situations in rural and urban contexts, and to observe and study actual field situations regarding issues related to socioeconomic development. Students will be given opportunities to gain a first-hand understanding of the policies, regulations, organizational structures, processes, and programmes that guide the development process. They would have the opportunity to gain an understanding of the complex socio-economic problems in the community, and innovative practices required to generate solutions to the identified problems. This may be a summer term project or part of a major or minor course depending on the subject of study.

AO-13.10: 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. The research outcomes of their project work may be published in peer-reviewed journals or may be presented in conferences /seminars or may be patented.

AO-13.11: 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-Evaluativeand optional in nature.These credits shall be over and above the regular year wise credits earned.

AO-14: Number of credits by type of course:

(Refer table 3a and 3b)

- 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.

AO-14.1: 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 3a and 3b:

Table 3a: 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 3b: 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.

AO-15: Levels of Courses:

Courses shall be coded based on the learning outcomes, level of difficulty, and academic rigor. The coding structure is as follows:

- i. **0-99:** Prerequisite courses required to undertake an introductory course which will be a pass or fail course with no credits. It will replace the existing informal way of offering bridge courses that are conducted in some of the colleges/ universities.
- ii. **100-199:** Foundation or introductory courses that are intended for students to gain an understanding and basic knowledge about the subjects and help decide the subject or discipline of interest. These courses may also be prerequisites for courses in the major subject. These courses generally would focus on foundational theories, concepts, perspectives, principles, methods, and procedures of critical thinking in order to provide a broad basis for taking up more advanced courses. These courses seek to equip students with the general education needed for advanced study, expose students to the breadth of different fields of study; provide a foundation for specialized higher-level coursework; acquaint students with the breadth of (inter) disciplinary fields in the arts, humanities, social sciences, and natural sciences, and to the historical and contemporary assumptions and practices of vocational or professional fields; and to lay the foundation for higher level coursework.
- iii. **200-299:** Intermediate-level courses including subject-specific courses intended to meet the credit requirements for minor or major areas of learning. These courses can be part of a major and can be pre-requisite courses for advanced-level major courses.
- iv. **300-399:** Higher-level courses which are required for majoring in a disciplinary/interdisciplinary area of study for the award of a degree.
- v. **400-499:** Advanced courses which would include lecture courses with practicum, seminar-based course, term papers, research methodology, advanced laboratory experiments/software training, research projects, hands-on-training, internship projects at the undergraduate level.

AO-16: Programme/ Curricular components:

The undergraduate programme seeks to equip students with the capacities in fields across arts, humanities, languages, natural sciences, and social sciences; an ethic of social engagement; soft skills such as complex problem solving, critical thinking, creative thinking, and communication skills, along with rigorous specialization in a chosen disciplinary or interdisciplinary major and minor(s).

Semesters 1 and 2: The students will undergo courses in 4 broad disciplines (major stream, minor stream, 2 broad disciplines (multidisciplinary category)) to have basic knowledge not only in major areas but also in two other disciplines broadly grouped under Natural and Physical Sciences, Mathematics, Statistics and Computer Applications, Library, Information and Media Sciences, Commerce and Management, and Social Sciences. With exposure to basic courses in four disciplines, a student can decide to continue the chosen major or change the major and minor areas of interest at the end of the second semester. Additionally, these students will also take up courses of their interest from Ability Enhancement (language), Skill Enhancement, and Value-Added categories.

Change of Major (at the end of the second semester): Students can opt for a change of Major within the broad discipline (Natural and Physical Sciences, Mathematical, Statistics, and Computational Sciences, Library, Information and Media Sciences, Commerce and Management, and Humanities and Social Sciences) at the end of the first year. In the case of Double Major, a student can only request for a change between the First Major and Second Major. These changes shall be allowed up to 15 days from the commencement of the third semester.

Semesters 3 and 4: During these semesters, students will choose courses of their interest in major and minor to build a career of their interest. They also pursue courses to strengthen their language skills and other skill-augmenting courses and vocational training.

Semesters 5 and 6: Students will undergo higher level courses and related courses during the fifth and sixth semesters in order to gain in-depth knowledge in the Major and also in the related disciplines through the minor stream. Students will also gain work-related skills through courses in vocational education. The programme structure enables the students to gain sufficient knowledge and skills to meet the industry/society requirements.

Semesters 7 and 8: During the fourth year, students will undertake advanced level courses in both the major and minor streams to get a UG Degree (Honours). Students choose a research component with courses relating to research methodology, advanced courses in theory and applied areas, and seminar presentations. Students should carry out a Research Project or Dissertation in case of UG Degree Honours with Research.

AO-17: Structure for the UG Programme:**AO-17.1: Distribution of Credits:**

The total number of credits for the Programme are distributed equally among all the semesters (20 credits each).

Table 4a: Semester wise distribution of credits (Single Major)

Semester	Major Discipline Core	Minor Stream	MDC	AEC	VAC	SEC	Internship	Project/ Dissertation	Total Credits
1	4	4	3	2	2+2	3			20
2	4	4	3	2+2	2	3			20
3	4+4=8	4	3	2		3			20
4	4+4+4+4 = 16	4 (Voc)							20
5	4+4+4 = 12	4 (Voc)					4		20
6	4+4+4+4* = 16	4 (Voc)							20
7	4+4+4+4** = 16	4							20
8	4 ***	4						12^	20
Total	80	32	9	8	6	9	4	12	160

*Project in lieu of a Major core course

** Research Methodology course (compulsory for UG - Honours with Research)

*** Seminar based course in lieu of a Major core course.

^ 12 credits from a Research Project/Dissertation in the Major discipline for completion of UG Degree (Honours with Research). UG Degree (Honours) students will do 3 courses in the Major discipline for 12 credits in lieu of a Research project / Dissertation.

Voc: Vocational Training and Education

Table 4b: Semester wise distribution of credits (3-year UG Double Major)

Semester	First Major Discipline Core	Second Major Discipline Core	MDC	AEC	VAC	SEC	Internship	Total Credits
1	4	4	3	2	2+2	3		20
2	4	4	3	2+2=4	2	3		20
3	4	4+4=8	3	2		3		20
4	4+4+4(Voc)=12	4+4=8						20
5	4+4+4(Voc)=12	4					4	20
6	4+4+4*=12	4+4(Voc)=8						20
Total	48	36	9	8	6	9	4	120

*Project in lieu of a Major core course

Voc: Vocational Training and Education

Table 4c: Semester wise distribution of credits (4-year Double Major)

Semester	First Major Discipline Core	Second Major Discipline Core	Vocational Education & Training	MDC	AEC	VAC	SEC	Internship	Project/ Dissertation	Total Credits
1	4	4		3	2	2+2	3			20
2	4	4		3	2+2=4	2	3			20
3	4	4+4=8		3	2		3			20
4	4+4=8	4+4=8	4							20

5	4+4=8	4	4					4		20
6	4+4+4* =12	4	4							20
7	4+4** = 8	4+4+4 =12								20
8	4 ***	4							12^	20
Total	52	48	12	9	8	6	9	4	12	160

*Project in lieu of a major core course

** Research Methodology course (compulsory for UG - Honours with Research)

*** Seminar based course in lieu of a Major core course.

^ 12 credits from a Research Project/Dissertation in the First major discipline for completion of UG Degree (Honours with Research). UG Degree(Honours) students will do 3 courses in the First major discipline for 12 credits in lieu of a Research project / Dissertation.

AO-17.2: UG Degree Honours Programme with Single Major and Major-Minor:

(refer Table 5)

At Semester 1 of the total 20 credits to be earned, a student shall do one Discipline Specific Core Course of 04 credits of 100 level, one course from Minor subject/discipline of 04 credits of 100 level, one Multidisciplinary of 03 credits, one Ability Enhancement Course of 02 credits, one Skill Enhancement course of 03 credits and two Value Added Courses of 02 credits each.

At Semester 2, of the total 20 credits to be earned, a student shall do one Major Discipline Specific Core of 04 credits of 100 level, one course from Minor subject/discipline of 04 credits of 100 level, one Multidisciplinary Course of 03 credits, two Ability Enhancement Course of 02 credits each, one Skill Enhancement Course of 03 credits and one Value Added Courses of 02 credits.

At Semester 3, of the total 20 credits to be earned, a student shall do 02 Major Discipline Specific Core Courses of 04 credits each of 200 level, one course from Minor subject/ discipline of 04 credits of 200 level, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits each and one Skill Enhancement course of 03 credits.

At Semester 4, of the total 20 credits to be earned, a student shall do 04 Major Discipline Specific Core Courses of 04 credits each of 200 level and one Vocational Course of 04 credits of Level 200.

At Semester 5, of the total 20 credits to be earned, a student shall do 03 Major Discipline Specific Core Courses of 04 credits each of 300 level and one Vocational Course of 04 credits of 200 Level. The student must also complete an internship of 04 credits.

At Semester 6, of the total 20 credits to be earned, a student shall do 03 Major Discipline Specific Core of 04 credits each of 300 level, one Project of 04 credits and one Vocational Course of 04 credits of 200 level.

At Semester 7, of the total 20 credits to be earned, a student shall do 04 Major Discipline Specific Core Courses of 04 credits each of 400 level and one course in Minor subject/ discipline of 04 credits of 300 level.

At Semester 8, of the total 20 credits to be earned, a student shall do 04 Major Discipline Specific Core Courses of 04 credits each of 400 level and one course in Minor discipline/subject of 04 credits of 300 level.

Table 5: UG Degree Honours Programme with Single Major and Major-Minor (credits in brackets)

Semester	Major Discipline Core	Minor Stream	MDC	AEC	VAC	SEC	Internship	Total
1	Core 1 (4)	Minor 1 (4)	MDC1 (3)	AEC1 (2)	VAC1 (2) VAC2 (2)	SEC1 (3)		20

2	Core 2 (4)	Minor 2 (4)	MDC2 (3)	AEC2 (2) AEC3 (2)	VAC3 (2)	SEC2 (3)		20
3	Core 3 (4) Core 4 (4)	Minor 3 (4)	MDC3 (3)	AEC4 (2)		SEC3 (3)		20
4	Core 5 (4) Core 6 (4) Core 7 (4) Core 8 (4)	Voc 1 (4)						20
5	Core 9 (4) Core 10 (4) Core 11 (4)	Voc 2 (4)					4	20
6	Core 12 (4) Core 13 (4) Core 14 (4) Core 15 (4) (P)	Voc 3 (4)						20
7	Core 16 (4) Core 17 (4) Core 18 (4) Core 19 (4)	Minor 4 (4)						20
8	Core 20 (4) Core 21 (4) Core 22 (4) Core 23 (4)	Minor 5 (4)						20
Tot al	92	32	9	8	6	9	4	160

AO-17.3: UG Degree (Honours with Research) Programme with Single Major and Major-Minor:
(refer table 6)

At Semester 1 of the total 20 credits to be earned, a student shall do one Major Discipline Specific Core Courses of 04 credits of 100 Level, one course in Minor subject/discipline of 04 credits of 100 Level, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits, one Skill Enhancement course of 03 credits and two Value Added Courses of 02 credits each.

At Semester 2, of the total 20 credits to be earned, a student shall do one Major Discipline Specific Core Course of 04 credits of 100 Level, one course in Minor discipline/subject of 04 credits of 100 Level, one Multidisciplinary Course of 03 credits, two Ability Enhancement Course of 02 credits each, one Skill Enhancement course of 03 credits and one Value Added Courses of 02 credits.

At Semester 3, of the total 20 credits to be earned, a student shall do two Major Discipline Specific Core Courses of 04 credits each of 200 Level, one course in Minor subject/discipline of 04 credits of 200 Level, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits and one Skill Enhancement course of 03 credits.

At Semester 4, of the total 20 credits to be earned, a student shall do 04 Major Discipline Specific Core Course of 04 credits each of 200 Level and one Vocational Course of 04 credits of 200 Level.

At Semester 5, of the total 20 credits to be earned, a student shall do 03 Major Discipline Cores of 04 credits each of Level 300, one Vocational Course of 04 credits of Level 200. The student must also complete an internship of 04 credits.

At Semester 6, of the total 20 credits to be earned, a student shall do 03 Major Discipline Cores of 04 credits each of Level 300, one Project of 04 credits and one Vocational Course of 04 credits of Level 200.

At Semester 7, of the total 20 credits to be earned, a student shall do 04 Major Discipline Cores of 04 credits each of Level 400 and one Minor Course of 04 credits of Level 300.

At Semester 8, of the total 20 credits to be earned, a student shall do 01 Major Discipline Cores of 04 credits of Level 400, one Minor Course of 04 credits of Level 300 along with 12 credits of Research Project/Dissertation.

Table 6: UG Degree (Honours with Research) Programme with Single Major and Major - Minor (credits in bracket)

Semester	Major Discipline Core	Minor Stream	MDC	AEC	VAC	SEC	Internship	Dissertation	Total
1	Core 1 (4)	Minor 1 (4)	MDC1 (3)	AEC1 (2)	VAC1 (2) VAC2 (2)	SEC1 (3)			20
2	Core 2 (4)	Minor 2 (4)	MDC2 (3)	AEC2 (2) AEC3 (2)	VAC3 (2)	SEC2 (3)			20
3	Core 3 (4) Core 4 (4)	Minor 3 (4)	MDC3 (3)	AEC4 (2)		SEC3 (3)			20
4	Core 5 (4) Core 6 (4) Core 7 (4) Core 8 (4)	Voc 1 (4)							20
5	Core 9 (4) Core 10 (4) Core 11 (4)	Voc 2 (4)					4		20
6	Core 12 (4) Core 13 (4) Core 14 (4) Core 15 (4)	Voc 3 (4)							20

7	Core 16 (4) Core 17 (4) Core 18 (4) Core 19 (4)	Minor 4 (4)							20
8	Core 20 (4)	Minor 5 (4)						12	20
Total 1	80	32	9	8	6	9	4	12	160

AO-17.4: UG Degree (3-year) Programme with Double Major subjects A & B):

(Refer table 7)

At Semester 1, of the total 20 credits to be earned, a student shall do one Discipline Specific Core course of 04 credits of 100 Level from the first Major Discipline, one Discipline Specific Core course of 04 credits of 100 Level from the second Major Discipline, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits, one Skill Enhancement course of 03 credits and two Value Added Courses of 02 credits each.

At Semester 2 of the total 20 credits to be earned, a student shall do one Discipline Specific Core course of 04 credits of 100 Level from the first Major Discipline, one Discipline Specific Core course of 04 credits of 100 Level from the second Major Discipline, one Multidisciplinary Course of 03 credits, two Ability Enhancement Course of 02 credits each, one Skill Enhancement course of 03 credits and one Value Added Courses of 02 credits.

At Semester 3, of the total 20 credits to be earned, a student shall do one Discipline Specific Core course of 04 credits of 200 Level from the first Major Discipline, two Major Discipline Specific Core courses of 04 credits each of 200 Level from the second Major Discipline, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits and one Skill Enhancement Course of 03 credits.

At Semester 4, of the total 20 credits to be earned, a student shall do two Discipline Specific Core courses of 04 credits each of 200 Level and one Vocational Course of 04 credits of 200 Level from the

first Major Discipline; and two Discipline Specific Core courses of 04 credits each of 200 Level from the second Major Discipline.

At Semester 5, of the total 20 credits to be earned, a student shall do two Discipline Specific Core courses of 04 credits each of 300 Level and one Vocational course of 04 credits of 200 level and above from the first Major Discipline, and one Discipline Specific Core course of 04 credits of 300 Level from the second Major Discipline. The student must also complete an internship of 04 credits.

At Semester 6, of the total 20 credits to be earned, a student shall do two Discipline Specific Core courses of 04 credits each of 300 Level from the first Major Discipline, one Project of 04 credits from the first Major Discipline, one Discipline Specific Core course of 04 credits of 300 Level and one Vocational Course of 04 credits of 200 Level and above from the second Major Discipline.

Table 7: UG Degree (3-year) Programme with Double Major subjects A & B
(Credits in brackets)

Sem	First Major Discipline	Second Major Discipline	MDC	AEC	VAC	SEC	Inter nship	Total
1	Core A1 (4)	Core B1 (4)	MDC1 (3)	AEC1 (2)	VAC1 (2) VAC2 (2)	SEC1 (3)		20
2	Core A2 (4)	Core B2 (4)	MDC2 (3)	AEC2 (2) AEC3 (2)	VAC3 (2)	SEC2 (3)		20
3	Core A3 (4)	Core B3 (4) Core B4 (4)	MDC3 (3)	AEC4 (2)		SEC3 (3)		20
4	Core A4 (4) Core A5 (4)	Core B5 (4) Core B6 (4)						20

	Voc A1 (4)							
5	Core A6 (4) Core A7 (4) Voc A2 (4)	Core B7 (4)					4	20
6	Core A8 (4) Core A9 (4) Core A10 (4) P	Voc B1 (4) Core B8 (4)						20
Total	48	36	9	8	6	9	4	120

AO-17.5: UG Degree (Honours) Programme with Double Major subjects A & B:

(Refer table 8)

At Semester 1 of the total 20 credits to be earned, a student shall do one Major Discipline Specific Core course of 04 credits of 100 Level from first Major Discipline, one Major Discipline Specific Core course of 04 credits of 100 Level from second Major Discipline, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits, one Skill Enhancement course of 03 credits and two Value Added Courses of 02 credits each.

At Semester 2 of the total 20 credits to be earned, a student shall do one Major Discipline Specific Core of 04 credits of 100 Level from first Major Discipline, one Major Discipline Specific Core course of 04 credits of 100 Level from second Major Discipline, one Multidisciplinary Course of 03 credits, two Ability Enhancement Course of 02 credits each, one Skill Enhancement course of 03 credits and one Value Added Courses of 02 credits.

At Semester 3, of the total 20 credits to be earned, a student shall do one Major Discipline Specific Core course of 04 credits of 200 Level from first Major Discipline, two Major Discipline Specific Core

courses of 04 credits each of 200 Level from second Major Discipline, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits and one Skill Enhancement course of 03 credits.

At Semester 4, of the total 20 credits to be earned, a student shall do two Discipline Specific Core courses of 04 credits each of 200 Level and one Vocational Course of 04 credits of 200 Level from the first Major Discipline; and two Discipline Specific Core courses of 04 credits each of 200 Level from the second Major Discipline.

At Semester 5, of the total 20 credits to be earned, a student shall do two Discipline Specific Core courses of 04 credits each of 300 Level and one Vocational Course of 04 credits of 200 Level and above from the first Major Discipline; and one Discipline Specific Core course of 04 credits of 300 Level from the second Major Discipline. The student must also complete an internship of 04 credits.

At Semester 6, of the total 20 credits to be earned, a student shall do two Major Discipline Specific Core courses of 04 credits each of 300 Level from first Major Discipline, one Project of 04 credits from first Major Discipline, one Major Discipline Specific Core course of 04 credits of 300 Level from second Major Discipline and one Vocational Course of 04 credits of 200 Level and above.

At Semester 7, of the total 20 credits to be earned, a student shall do two Major Discipline Specific Core courses of 04 credits each of 400 Level from first Major Discipline, three Major Discipline Specific Core courses of 04 credits each of 400 Level from second Major Discipline.

At Semester 8, of the total 20 credits to be earned, a student shall do four Major Discipline Specific Core courses of 04 credits each of 400 Level from first Major Discipline, one Major Discipline Specific Cores of 04 credits of 400 Level from second Major Discipline.

**Table 8: UG Degree (Honours) Programme with Double Major subjects A & B
(Credits in brackets)**

Semester	First Major Discipline	Second Major Discipline	Voc Stream	MDC	AEC	VAC	SEC	Internship	Total
1	Core A1 (4)	Core B1 (4)		MDC1 (3)	AEC1 (2)	VAC1 (2) VAC2 (2)	SEC1 (3)		20
2	Core A2 (4)	Core B2 (4)		MDC2 (3)	AEC2 (2) AEC3 (2)	VAC3 (2)	SEC2 (3)		20
3	Core A3 (4)	Core B3 (4) Core B4 (4)		MDC3 (3)	AEC4 (2)		SEC3 (3)		20
4	Core A4 (4) Core A5 (4)	Core B5 (4) Core B6 (4)	Voc 1 (4)						20
5	Core A6 (4) Core A7 (4)	Core B7 (4)	Voc 2 (4)					4	20
6	Core A8 (4) Core A9 (4) Core A10 (4) PRJ	Core B8 (4)	Voc 3 (4)						20
7	Core A11 (4) Core A12	Core B9 (4) Core B10							20

	(4)	(4) Core B11 (4)							
8	Core A13 (4) Core A14 (4) Core A15 (4) Core A16 (4)	Core B12 (4)							20
Total	64	48	12	9	8	6	9	4	160

AO-17.6: UG Degree (Honours with Research) Programme with Double Major subjects A and B:

(Refer table 9)

At Semester 1 of the total 20 credits to be earned, a student shall do one Discipline Specific Core course of 04 credits of 100 Level from the first Major Discipline, one Discipline Specific Core course of 04 credits of 100 Level from the second Major Discipline, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits, one Skill Enhancement course of 03 credits and two Value Added Courses of 02 credits each.

At Semester 2 of the total 20 credits to be earned, a student shall do one Discipline Specific Core course of 04 credits of 100 Level from the first Major Discipline, one Discipline Specific Core course of 04 credits of 100 Level from the second Major Discipline, one Multidisciplinary Course of 03 credits, two Ability Enhancement Course of 02 credits each, one Skill Enhancement course of 03 credits and one Value Added Courses of 02 credits.

At Semester 3, of the total 20 credits to be earned, a student shall do one Discipline Specific Core course of 04 credits of 200 Level from first Major Discipline, two Discipline Specific Core courses of 04 credits each of 200 Level from the second Major Discipline, one Multidisciplinary Course of 03 credits, one Ability Enhancement Course of 02 credits and one Skill Enhancement course of 03 credits.

At Semester 4, of the total 20 credits to be earned, a student shall do two Discipline Specific Core courses of 04 credits each of 200 Level from first Major Discipline, two Major Discipline Specific Core courses of 04 credits each of 200 Level from second Major Discipline and one Vocational Course of 04 credits of 200 Level.

At Semester 5, of the total 20 credits to be earned, a student shall do two Discipline Specific Core courses of 04 credits each of 300 Level and one Vocational Course of 04 credits of 200 Level and above from the first Major Discipline; and one Discipline Specific Core Course of 04 credits of 300 Level from the second Major Discipline. The student must also complete an internship of 04 credits.

At Semester 6, of the total 20 credits to be earned, a student shall do two Discipline Specific Core Courses of 04 credits each of 300 Level and one Project of 04 credits from the first Major Discipline; one Discipline Specific Core Course of 04 credits of 300 Level and one Vocational Course of 04 credits of 200 Level and above from the second Major Discipline.

At Semester 7, of the total 20 credits to be earned, a student shall do four Discipline Specific Core courses of 04 credits each of 400 Level from the first Major Discipline and one Discipline Specific Core courses of 04 credits of Level 400 from the second Major Discipline.

At Semester 8, of the total 20 credits to be earned, a student shall do one Discipline Specific Core course of 04 credits of 400 Level from the first Major Discipline, one Discipline Specific Core course of 04 credits of 400 Level from the second Major Discipline along with 12 credits of Research Project/Dissertation in the first Major Discipline.

Table 9: UG Degree (Honours with Research) Programme with Double Major subjects A and B

Semester	First Major Discip.	Second Major Discip.	Voc. Ed.	MDC	AEC*	VAC	SEC	Internship	Dissertation	Total
1	Core A1 (4)	Core B1 (4)		MDC1 (3)	AEC1 (2)	VAC1 (2) VAC2 (2)	SEC1 (3)			20

2	Core A2 (4)	Core B2 (4)		MDC2 (3)	AEC2 (2) AEC3 (2)	VAC3 (2)	SEC2 (3)			20
3	Core A3 (4)	Core B3 (4) Core B4 (4)		MDC3 (3)	AEC4 (2)		SEC3 (3)			20
4	Core A4 (4) Core A5 (4)	Core B5 (4) Core B6 (4)	Voc1 (4)							20
5	Core A6 (4) Core A7 (4)	Core B7 (4)	Voc2 (4)					4		20
6	Core A8 (4) Core A9 (4) Core A10 (4) P	Core B8 (4)	Voc3 (4)							20
7	Core A11 (4) Core A12 (4)	Core B9 (4) Core B10 (4) Core B11 (4)								20
8	Core A13 (4)	Core B12 (4)							12 (in First Major)	20
Total	52	48	12	9	8	6	9	4	12	160

AO-18: Programme Codes, Discipline Codes and Course Codes:

1. The Undergraduate Programme will have the Programme code UG as the prefix.
2. The UG Programme of an individual department will be distinguished by the discipline codes. Discipline codes shall be as follows;
Biochemistry: BCH, Biotechnology: BIO, Botany: BOT, Chemistry: CHE, Computer Science: COM, Geology: GEL, Mathematics: MAT, Physics: PHY, Zoology: ZOO, Economics: ECO, English: ENG, French: FRE, Geography: GEG, Hindi: HIN, History: HIS, Konkani: KON, Marathi: MAR, Philosophy: PHI, Psychology: PSY, Sociology: SOC.
3. Each discipline course offered at UG Programme shall have a unique course code based on its level. The course code will appear in the form (Programme Code)- (Discipline Code)- (Course Level.). For example, a UG Discipline Core Course in English of Level 100 shall be coded as UG-ENG-101 whereas a Level 200 course in English shall be coded as UG-ENG-201 and so on.
4. Course Codes for Multi-Disciplinary Courses (MDC), Skill Enhancement Courses (SEC), Ability Enhancement Courses (AEC), Vocational Courses (VOC), Value Added Courses (VAC) and Internship (INT) and Project (PRJ) shall be based on the Programme code followed by Discipline Code and the type of the course with the ascending serial number. For example, UG-ENG-MDC1 will indicate the first multidisciplinary UG course offered by the department of English.

AO-19: Pedagogical approaches:

The Learning Outcomes-Based Approach to curriculum planning and transaction requires that the pedagogical approaches are oriented towards enabling students to attain the defined learning outcomes relating to the courses within a programme. The outcome-based approach, requires a significant shift from teacher-centric to learner-centric pedagogies, and from passive to active/participatory pedagogies. Every programme of study lends itself to the well-structured and sequenced acquisition of knowledge and skills. Practical skills, including an appreciation of the link between theory and practice, will constitute an important aspect of the teaching-learning process. Teaching methods, guided by such a framework, may include lectures supported by tutorial work; practicum and field-based learning; the use of prescribed reference books and e-learning resources and other self-study materials; field-based learning/project, open-ended project work, some of which may be team-based; activities designed to promote the development of generic/transferable and

subject specific skills; and internship and visits to field sites, and industrial or other research facilities etc.

AO-20: Learning Assessment:

A variety of assessment methods that are appropriate to a given disciplinary/subject area and a programme of study will be used to assess progress toward the course/programme learning outcomes. Priority will be accorded to formative assessment. Progress towards achievement of learning outcomes will be assessed using the following: time-constrained examinations; closed-book and open book tests; problem-based assignments; practical assignment laboratory reports; observation of practical skills; individual project reports (case-study reports); team project reports; portfolio submissions; oral presentations, including seminar presentation; viva voce; computerized adaptive assessment etc.

AO-20.1: Patterns of Assessment

Courses conducted in the Undergraduate Programme shall be assessed adopting any one of the following options:

1. Continuous Assessment (CA) only;
2. Continuous Assessment (CA) and Semester End Examination (SEE); and
3. Continuous Assessment (CA), Mid-Semester Assessment (MSA) and Semester End Examination (SEE).

The pattern of assessment can be based on alternative modes of evaluation and must ensure that all the course learning outcomes are met. The pattern of assessment and modes of evaluation will be decided by the course instructor in consultation with the Department Faculty Council (DFC). The instructor will announce the pattern of assessment, the mode of evaluation and the time schedule of assessment right at the beginning of the semester. This disclosure will be a part of the course schedule. Courses with practical components will have separate heads of passing.

AO-20.1.1: Pattern of Assessment for courses employing Continuous Assessment only (Theory)

- (a) The CA (Continuous Assessment) shall be conducted in a given Semester using alternate modes of evaluation such as assignment, seminar presentation, orals, demonstration, written etc.
- (b) Minimum 3 different assessments are to be conducted for the course. However, the teacher may conduct more than three mandatory assessments.

AO-20.1.2: Pattern of Assessment for courses employing Continuous Assessment and Semester End examination (Theory)

- (a) The CA (Continuous Assessment) shall be conducted in a given Semester using alternate modes of evaluation such as assignment, seminar presentation, orals, demonstration, written etc.
- (b) Minimum 3 different Assessments (including two CAs and one Semester End Examination (SEE)) are to be conducted for the course. However, the teacher may conduct more than 2 mandatory CAs.
- (c) Semester End Examination (SEE) to be conducted covering the entire syllabus.

AO-20.1.3: Pattern of Assessment for courses employing Continuous Assessment, Mid Semester Assessment (Midterm Assessment) and End Semester Assessment (Term End Examination) (Theory)

- (a) The CA (Continuous Assessment) shall be conducted in a given Semester using alternate modes of evaluation such as assignment, seminar presentation, orals, demonstration, written etc.
- (b) Minimum 3 different Assessments [including one CA, one Midterm Assessment (MA) and Term End Examination (TEE)] are to be conducted for the course. However, the teacher may conduct more than one mandatory CA.
- (c) Midterm Assessment to be conducted covering the 50% of the entire syllabus. Term End Examination to be conducted at the end of the semester covering the remaining 50% of the entire syllabus.

AO-20.2: Monitoring the Assessments:

The responsibility for monitoring the assessment of courses offered by the Department will lie with the Head of the Department, the concerned Dean in coordination with the Controller of Examinations.

AO-20.3: Methods of Evaluation:

AO-20.3.1: Assessment of Theory Component:

- a) A student shall be required to score a minimum of 40% marks in the theory component, to obtain a minimum Grade P in the theory component (Table 10).
- b) A student unable to obtain a minimum Grade P in any theory component after the retake examination will have to repeat the respective course credits as and when it is next offered.

AO-20.3.2: Assessment of Practical Component

- a. For a course with a practical component, a student is required to score a minimum of 40% marks in the practical component to obtain a minimum Grade P (Table 10).
- b. No separate examination(s) in laboratory exercises shall be conducted for courses having practical(s) components. Each experiment/laboratory work carried out by the student shall be assessed by the teacher/s during the regular practical. Marks shall be allotted for journal/lab record book, field work and oral/viva voce. The teacher concerned will decide the distribution of marks under different heads.
- c. For assessing the candidate's performance in the assigned experiment, the examiner shall take into account the planning, the procedure and the technique followed by the candidate along with the readings/observations, the results and the presentation.
- d. In oral examination, the examiner(s) shall assess the knowledge of the candidate in the course as well as the experiment(s) performed by the candidate.
- e. Record of the marks obtained by the candidate shall be maintained by the respective department for all semesters, in a sealed envelope for a minimum period of 3 years.
- f. The practical assessment shall be treated as an independent head of passing.
- g. A candidate may be permitted, strictly on medical or other genuine grounds, to perform practical(s) missed, at the end of the course.
- h. A student unable to obtain a minimum Grade P (Table 10) in a practical component will be provided with a comprehensive repeat assessment provided the student fulfils the Course/Department policies and attendance policy.
- i. A student unable to obtain a minimum Grade P (Table 10) in a practical component after the comprehensive repeat assessment will have to repeat the respective practical credits as and when it is next offered.

AO-20.3.3: Assessment of Project Work

The project work at the Undergraduate level will be assessed by:

- i) Project Guide and
- ii) Departmental Faculty Council (DFC) or the External Examiner.

Each project will be assessed by the Internal Examiner (Project Guide) for 50% of the total marks and by the Department Faculty Council / External Examiner for the remaining 50% of the marks.

The Departmental Faculty Council should consist of not more than three faculty members. These members are to be nominated by the Head of the Department and communicated thereby to the Controller of Examination at the earliest. In case of an External Examiner, the Head of Department should submit the names of the prospective external examiner to the office of the Controller of Examination at the beginning of the concerned semester.

A student unable to obtain a minimum Grade P (Table 10) in the project component will have to repeat the course credits as and when it is next offered.

AO-20.3.4: Assessment of Research Project/Dissertation:

The evaluation for the 12 credits of the Research Project/Dissertation will be done in the eighth semester. Students will be assigned a Research Mentor/Guide. Assessment of the Research Project/Dissertation will be done by the Research Mentor/Guide along with the Department Faculty Council of the concerned discipline and external examiner (for assessing research report) as follows:

- **Research Conceptualization (100 marks):** The student shall make a presentation of the research conceptualization (identification of the research problem, objectives, hypotheses, literature review, research design and methodology etc.) before the Department Faculty Council of the Department. 50% of the marks shall be awarded by the Research Mentor/Guide and 50% marks shall be awarded by the Department Faculty Council of the Department. Evaluation is to be done at the beginning of the eighth Semester.
- **Research Mentoring (100 marks):** Research Mentor/Guide continuously monitors research progress, evidenced by attendance, and shall award 100 marks for the research work carried out and submitted by the student as a research report.
- **Research Report (100 marks):** The Research Report of 100 marks shall be evaluated externally. The external examiner shall be a Ph.D. holder in the concerned subject.

To pass in the Research Project/Dissertation, a student has to secure a minimum grade of 'P' (Table 10). A student who does not secure a minimum grade of 'P' in the Research Project/ Dissertation, may be allowed to re-submit the report within 15 days after the conduct of the viva-voce incorporating suitable modifications under the guidance of the Research Mentor /Guide.

AO-20.3.5: Assessment of Internship:

Students will be assigned an Internship Mentor/Guide. Assessment of the internship will be done by the Internship Mentor/Guide and the Department Faculty Council of the concerned discipline as follows:

- **Internship Mentoring:** Internship Mentor/Guide shall review periodically the internship work carried out by the student. Internship Mentor/Guide continuously monitors the progress, evidenced by attendance, and shall award 50 marks for the internship work carried out and submitted by the student as an internship report.
- **Internship Report:** The student shall make a presentation of the internship report before the Department Faculty Council of the discipline and 50 marks shall be awarded by the Department Faculty Council of the Discipline.

To pass in the internship, a student must secure a minimum grade of 'P' (Table 10). A student who does not secure a minimum grade of "P" in the internship, may be allowed to re-submit the internship report within 15 days after incorporating suitable modifications under the guidance of the internship Mentor/Guide.

AO-20.3.6: Assessment of Seminar:

Students will be assigned a Mentor/Guide. Assessment of the Seminar will be done by the Mentor/Guide and the Department Faculty Council of the concerned discipline as follows:

- **Content Preparation:** Mentor/Guide shall review periodically the work carried out by the students. Mentor/Guide continuously monitors the progress, evidenced by attendance, and shall award 50 marks for the seminar work carried out and submitted by the student as a seminar report.
- **Seminar Report:** The student shall make a presentation of the Seminar report and 50 marks shall be awarded by the Department Faculty Council of the Discipline.

To pass in the seminar, a student must secure a minimum grade of 'P' (Table 10). A student who does not secure a minimum grade of 'P' (Table 10) in the seminar, may be allowed to re-submit the seminar report within 15 days after incorporating suitable modifications under the guidance of the Mentor/Guide.

AO-20.4: Retake examination and Submission of results:

After completion of the regular entire course assessment in a semester, retake examination will be conducted within 15 days from the declaration of the result for the following specified reasons with prior approval from the concerned teacher:

- Students participating in various events like NSS/NCC/Sports/conferences etc
- Medical reasons such as hospitalization, etc with prior permission supported by the medical certificate.
- Unforeseen emergencies such as accidents, medical, curfew, bad weather etc.
- Students who fulfil class policies and attendance policy but have acquired Grade F/Ab.

Marks scored by students in the examinations related to the courses offered by the Department during the semester should be submitted to the Examination Cell of the College at least one week before the end of the semester (commencement of the winter/ summer break) so as to facilitate the declaration of results.

Any issues related to conduct of examination should be addressed to the Controller of Examination.

AO-20.5: Letter Grades and Grade Points

The Semester Grade Point Average (SGPA) is computed from the grades as a measure of the student's performance in a given semester. The SGPA is based on the grades of the current semester, while the Cumulative Grade Point Average (CGPA) is based on the grades in all courses taken after joining the programme of study.

Table 10: Letter Grades and Grade Points

Letter Grade	Grade Point	Marks %
O (Outstanding)	10	85 - 100
A+ (Excellent)	9	75 - <85
A (Very Good)	8	65 - <75
B+ (Good)	7	55 - <65
B (Above Average)	6	50 - <55

C (Average)	5	45 - <50
P (Pass)	4	40 - <45
F (Fail)	0	0 - <40
Ab (Absent)	0	—

Computation of SGPA and CGPA

The performance of a student in a semester is indicated by a number called SGPA.

The SGPA is the ratio of the sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student.

$$\text{i.e., SGPA (Si)} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

Where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course in each semester. Here, $i = 1, 2, 3, \dots, n$, represent the number of courses in which a student is registered in the concerned semester.

Example for Computation of SGPA

Semester	Course	Credit	Letter Grade	Grade point	Credit Point (Credit x Grade)
I	Course 1	3	A	8	3 x 8 = 24
I	Course 2	4	B+	7	4 x 7 = 28
I	Course 3	3	B	6	3 x 6 = 18
I	Course 4	3	O	10	3 x 10 = 30
I	Course 5	3	C	5	3 x 5 = 15
I	Course 6	4	B	6	4 x 6 = 24
		20			139
	SGPA				139/20 = 6.95

The Cumulative Grade Point Average (CGPA) is also calculated in the same manner considering all the courses undergone by a student over all the semesters of a programme,

$$\text{i.e., CGPA} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

Where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course in the entire programme. Here, $i= 1,2,3,\dots,n$, represent the number of courses undergone by a student in the entire programme.

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

AO-20.6: Percentage

Keeping in mind the varied requirements of different bodies, wherever percentage is mandatory, it is to be calculated using the following formula:

$$\text{Percentage} = \frac{\sum \text{Marks obtained (excluding the marks obtained in the extra credit courses)}}{\sum \text{Maximum Marks (excluding the extra credit courses)}}$$

AO-20.7: Transcript (Format):

Based on the above recommendations on Letter grades, grade points and SGPA and CGPA, the college shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

The ordinance related to Adoption of Open Online Courses and Exchange Programmes and Transfer of Credits, as applicable, is available on the college website.

IV
A. 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-101 Understanding Poetry & Drama (Minor)	UG-ENG-AEC1 Effective English Communication	UG-ENG-VAC1 E-Portfolio	UG-ENG-SEC1 Creative Writing for Beginners
			UG-ENG-AEC2 Academic Writing I		
II	UG-ENG-104 Understanding Fiction	UG-ENG-104 Understanding Fiction (Minor)	UG-ENG-AEC3 Academic Writing I		UG-ENG-SEC2: Writing for the Media I
			UG-ENG-AEC4 Academic Writing II		
III	UG-ENG-201: Introduction to Linguistics I (2C)	UG-ENG-203: Contemporary Indian English Literature (Minor)			UG-ENG-SEC3: Writing for the Media II
	UG-ENG-203: Contemporary Indian English Literature				
	UG-ENG-202: Creative Writing I (2C)				
IV	UG-ENG-205: Introduction to Linguistics II (2C)	UG-ENG-208: New Literatures in English (Minor)			
	UG-ENG-206: Creative Writing II (2C)				
	UG-ENG-207: Literature of Indian Diaspora				
	UG-ENG-208: New Literatures in English				
	UG-ENG-209: American Literature				

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-401: 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: 20th Century English Literature	UG-ENG-406: 20th 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 compétence 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 17th/18th/ 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 moderne': Study of selected texts of Contemporary French Literature			
	UG-FRE-PRJ: (Title to be selected by the student)			

HINDI

SEME STER	MAJOR CORE	MINOR/ VOCATIO NAL	MULTIDISCIPL INARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEME NT COURSE (SEC)
I	UG-HIN-101: हिंदी कहानी एवं शब्दसाधन	UG-HIN-102: हिंदी गीत : परंपरा और प्रयोग		UG-HIN- VAC1: योग शिक्षण		UG-HIN- SEC1: हिंदीपथनाट्य (नुक्कड़ नाटक)
II	UG-HIN-103: हिंदी कविता एवं काव्यसौंदर्य	UG-HIN-104: हिंदी लघुकथा	UG- HIN- MDC2: व्यावहारिक एवं रचनात्मक लेखन	UG-HIN- VAC3: गोवा प्रदेशऔर पर्यटन	UG- HIN-AEC1: श्रवण एवं संभाषण कौशल (for MIL) UG-___-AEC2: (for English)	UG-HIN- SEC2: हिंदी एकांकी
III	UG-HIN-201: हिंदीनाटक: 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: हिंदीसाहित्यकाइतिहा स(आदिकाल, भक्तिकालएवंरीतिका ल	UG- HIN- VOC 1 हिंदी अनुवाद				
	UG- HIN-205: मध्यकालीनकाव्य चयनितकविताएँ					
	UG-HIN-206: प्रयोजनमूलकहिन्दी: अनुवादएवंपत्रलेखन					
	UG-HIN-207: विशेषअध्ययन :					

	हिन्दीकहानी					
V	UG-HIN-301: हिंदीसाहित्यकाइतिहास (आधुनिककाल)	UG- HIN- VOC2 : ईपत्रकारिता-				
	UG- HIN -302: भारतीयकाव्यशास्त्र					
	UG-HIN-303: हिन्दी पत्रकारिता : मुद्रित एवं इलेक्ट्रॉनिक					
VI	UG- HIN-304: पाश्चात्यकाव्यशास्त्र	UG- HIN- VOC 3 मनोरंजन क्षेत्र और हिंदी				
	UG- HIN -305: विशेष अध्ययन : हिंदी उपन्यास					
	UG- HIN-306: हिंदीभाषा, लिपि एवं व्याकरण					
	UG-307HIN-PRJ:					
VII	UG-HIN-401: भाषाविज्ञान	UG-HIN- 405 हिंदी महिला लेखन				
	UG-HIN-402: मीडियालेखन : रेडियो एवं टेलीविजन					
	UG-HIN-403: कथेत्तरगद्यसाहित्य : रेखाचित्र, संस्मरण, या त्रावृत्तांत, आत्मकथा एवं जीवनी (किसीविधाकीएकपा					

	क्यपुस्तक)					
	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

Semester	Major Core				Minor Stream	Multidisciplinary Course (MDC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Value Added Course (VAC)	Vocational Course
I	कोंकणी साहित्याची वळख भाग 1 (कथा, कविता आनी (निबंद (Introduction to Konkani Literature -Part 1)				गोंयचे लोकसंस्कृतायेचो अभ्यास (Study of Goan Folk culture)			कोंकणी नाटकाचो खाशेलो अभ्यास (Special Study of Konkani Drama)		
II	कोंकणी साहित्याची वळख भाग 2 (तियात्र आनी नाटक) (Introduction to Konkani Literature - Part 2)				कोंकणी पथनाट्यांचो अभ्यास (Study of Konkani Street Plays)	सोशल मिडीया आनी डिजिटल टेक्नॉलोजीचो वापर (Social Media and Digital Technology Solutions)	कोंकणी वाचन लेखन कौशल्य (Spoken and Written Skills of Konkani)	कोंकणी तियात्राचो खाशेलो अभ्यास (Special Study of Konkani Tiatr)	सैमाचो सांबाळ-समाजीक जापसालदारकी (Conservation of Environment-Social Responsibility)	
III	कोंकणी भाशेचो व्याकरणिक आनी भाशाशास्त्रीय अभ्यास (Grammatical and Linguistic Study of Konkani)	कोंकणी कवितेचो खाशेलो अभ्यास (Special Study of Konkani Poetry)			कोंकणी राजभास चळवळीचो अभ्यास (Study of Konkani state Language Movement)	वेचीक कोंकणी म्हणी, पारखणी आनी लोकगीतांची वळख (Introduction to selected Konkani Proverbs, riddles and folk songs)	कोंकणी एकांकीचो अभ्यास (Study of Konkani One Act Plays)	आर्विल्ल्या प्रसारमाध्यमांचो अभ्यास (Study of Modern Medias)	भारतीय संविधानाची वळख (Introduction to Indian Constitution)	

Semester IV	कोंकणी लोकवेदाचो अभ्यास (Study of Konkani Folklore)	कोंकणी भास आनी साहित्याचो इतिहास - एक वळख (आरंभा साकून 1858 वर्स मेरेनचो काळ) (Outline History of Konkani Language and Literature) (From beginning till 1858)	शणै गोंयबाबांचें कोंकणी अस्मिताये खातीर योगदान (Contribution of Shenvoy Goemba b towards Konkani Identity)	कोंकणी कादंबरेचो खाशेलो अभ्यास (Special Study of Konkani Novel)	अनुवाद अभ्यास (Translation Study)					लघुचित्रपट निर्मिती आनी आस्वादन (Short Film Production and Appreciation) (voc-1)
Semester V	कोंकणी बोलींचो अभ्यास (Study of Konkani Dialects)	कोंकणी चळवळीचो इतिहास- एक वळख (1858 वर्स ते 2000 वर्स मेरेनचो काळ) (Outline History of Konkani Language Movement 1858 till 2000)	देवनागरी कोंकणींत लिप्यंतरित साहित्याचो अभ्यास (कन्नड आनी रोमी लिपींतल्यान) (Study of Transliterated Konkani Literature (From Kannada and Romi Script into Devanagari Script)		वेंचीक कोंकणी अणकारीत कादंबरेचो अभ्यास (Study of Selected Konkani Translated Novel)					नाटक निर्मिती आनी आस्वादन (Drama Production and Appreciation) (voc-2)

Semester VI	प्रकल्प	भारतीय काव्यशास्त्राची वळख (Introduction to the Study of Indian Poetics)	कोंकणी अध्यापनाची पद्धत (Konkani Teaching Methodology)	पाश्चार्थ काव्यशास्त्राची वळख (Introduction to the Study of Western Poetics)	कोंकणीच्या भोवआयामी वावरांत व्यक्तीमत्वांचो अभ्यास (Special Study of Multifaceted Konkani Personalities) / प्रकल्प						देवनारी टायपींग आनी डी. ट. पी. पब्लिकेशन -1 (VOC-3)
Semester VII	कोंकणी कथेचो खाशेलो अभ्यास (महाबळेश्वर सैल वा दामोदर मावजो) (Special Study of Konkani Short Story) (Mahabaleshwar Sail or Damodar Mauzo)	कर्नाटक आनी केरळांतल्या कोंकणी साहित्यांतलें समाजदर्शन (Sociological Study of Konkani literature - Part 1)	कोंकणी साहित्याची समिक्षा भाग -1 (कथा, कविता, निबंद, कादंबरी) Critical Study of the form of Konkani literature - Part 1	संशोधन पद्धती (Research Methodology)	कोंक निबंदाचो खाशेलो अभ्यास (Special Study of Konkani Essays)						
Semester VIII	कोंकणी साहित्याची समिक्षा भाग -2 (तियात्र, नाटक, लोकनाट्य) Critical Study of the form of Konkani literature-Part 2				Minor						

MARATHI

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG- MAR - 101 भाषिक कौशल्ये आणि व्यक्तिमत्त्व विकास	UG- MAR -102: प्रवासवर्णन		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 - MDC2: पत्रकारिता : स्वरूप आणि कौशल्ये	UG- MAR - VAC2 स्वच्छ भारत आणि पर्यावरण OR UG- MAR - VAC3: आनंदमयी	UG- MAR - AEC1: मराठी वाचन, लेखन आणि संभाषण कौशल्ये (for MIL)	UG- MAR - SEC2: 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 - AEC2: व्यावहारिक मराठी (for MIL)	UG- MAR - SEC3: मराठी एकांकिका
	UG- MAR - 202: आधुनिक मराठी कविता : स्वरूप व उपयोजन (आरंभ ते 2000)					
IV	UG- MAR - 204: मराठी कादंबरी : स्वरूप व उपयोजन (1945 -	UG- MAR – VOC 1 भाषांतरविद्या				
	UG- MAR - 205: मराठी नाटक : स्वरूप व उपयोजन (1945-2000)					

	UG- MAR - 206: गोमंतक आणि कोकण प्रदेशातील लोककला					
	UG- MAR - 207: साहित्याभिरू चीचे 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 वउपयोजन					
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 स्त्रीवादी साहित्य - स्वरूप व उपयोजन				
	UG- MAR - 407: मराठी वाङ्मयाचे सांस्कृतिक स्वरूप					
	UG- MAR - 408: वैचारिक साहित्य					
	UG- MAR - 409: गोमंतकीय मराठी साहित्य समीक्षा आणि संशोधन (कविता, कथा, कादंबरी, बालसाहित्य)					

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-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-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-MDC4: Human Resource Management		UG-ECO-SEC4: Actuarial Economics
	UG-ECO-202: Empirical Techniques for Economic Analysis		UG-ECO-MDC5: Transport Economics		UG-ECO-SEC5: Introduction to Money and Banking
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

SEMESTER	MAJOR CORE	MINOR / VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-GEG- DSC-101: Introductory Physical Geography		UG-GEG- MDC-101: Geography and Development Models	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
III	UG-GEG- DSC-201: Basics of Geomorphology		UG-GEG- MDC-201: Geography of South Asia			UG-GEG-SEC-201: New Perspectives of Tourism
	UG-GEG- DSC-202: Basics of Regional Geography					
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

SEM ESTE R	MAJOR CORE	VOCATIO NAL	MULTIDISCI PLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEME N T COURSE (SEC)
I	UG-HIS-101: Goa from Earliest Times to Liberation			UG-HIS-VAC1: Understanding Goa: Liberation and Challenges	
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 Archival Science
	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: South India: From Sangam Age to 1250 CE				
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				
VI I	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-MDC1: Current Ethical Issues	UG-PHI-VAC1: Value Education	UG-PHI-SEC1: Philosophy &Films
				UG-PHI-VAC2: Professional Ethics	
II	UG-PHI-102: Practical Ethics	UG-PHI-102: Practical Ethics	UG-PHI-MDC2: Eco- Philosophy	UG-PHI-VAC3: Applied Philosophy (Yoga & Practice)	UG-PHI-SEC2: Philosophy &Theatre
III	UG-PHI-201: Logic		UG-PHI-MDC3: Philosophy of Human Rights		UG-PHI-SEC 3: Practical Logic
IV	UG-PHI-202: Philosophy of Religion	UG-PHI- VOC1: Philosophy of Mind			
	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)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-PSY-101: Basic Course in Psychology I			UG-PSY- VAC2: Psychology of Health Behaviour		
II	UG-PSY-102: Basic Course in Psychology II			UG-PSY- VAC3: Positive Psychology		UG-PSY- SEC2: Counseling Skills
III	UG-PSY-201: Experimental Psychology		UG-PSY- MDC2: Communication and Conflict Management in Groups and Teams			UG-PSY- SEC3: Statistics in Psychology
	UG-PSY-202: Personality Theories					
IV	UG-PSY-203: Psychological Testing	UG-PSY- VOC1: Empirical Research				
	UG-PSY-204: Child Psychology					
	UG-PSY-205: Social Psychology					
	UG-PSY-206: Cognitive Psychology					
V	UG-PSY-301: Psychopathology I	UG-PSY- VOC2: Techniques of Data Collection				
	UG-PSY-302: Psychology of Adolescence					
	UG-PSY-303: Neuropsychology					

VI	UG-PSY-304: Psychopathology II	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

SEME STER	MAJOR CORE	MINOR/ VOCATIONA L	MULTIDISCIPLI NARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANC EMENT COURSE (AEC)	SKILL ENHANCE MENT COURSE (SEC)
I	UG-SOC-101: Introducing Sociology			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		
III	UG-SOC-201: Social Change and Processes		UG-SOC-MDC3: Contemporary Global Issues: Themes and Perspectives			UG-SOC- SEC2: Community Project Developme nt
	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					
	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: Crime and Society					
	UG-SOC-407: Urban Sociology					
	UG-SOC-408: Science, Technology and Society					

B. BACHELOR OF SCIENCE - B.Sc.

BIOTECHNOLOGY

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSE (VAC)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-BIO-101: Biomolecules	UG-BIO-102: Cell biology				UG-BIO-SEC1: Mushroom cultivation
II	UG-BIO-103: Basic Microbiology	UG-BIO-104: Fundamental Genetics	UG-BIO-MDC2: Basics of Biodiversity			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	MULTIDISCI PLINARY COURSE (MDC)	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- SEC 1 Basics in Horticulture
II	UG-BOT-102 Cell Biology and Biomolecules	UG-BOT-102 Cell Biology and Biomolecules- (Minor same as major)	UG-BOT-MDC 2 Ethno botanical Concept	UG-BOT-SEC 2 Algal Biotechnology
III	UG-BOT-201 Diversity of Lower Plants II (Bryophytes, Pteridophytes, Gymnosperms)	UG-BOT-203 Plant pathology	UG-BOT-MDC 3 Evolutionary biology	UG-BOT-SEC 3 Microbiology
	UG-BOT-202 Economic Botany			
IV	UG-BOT-204 Plant Anatomy	UG-BOT-VOC 1 Horticulture, Floriculture & Landscaping		
	UG-BOT-205 Cytogenetics			
	UG-BOT-206 Plant breeding and Biostatistics			
	UG-BOT-207 Ecology and conservation			
V	UG-BOT-301 Plant Physiology	UG-BOT-VOC 2 Herbal Cosmetology		
	UG-BOT-302 Systematics of flowering plants			
	UG-BOT-303 Techniques and Instrumentation			
VI	UG-BOT-305 Plant Genetic engineering	UG-BOT-VOC 3 Applied Mycology		
	UG-BOT-306 Plant Molecular biology			

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

CHEMISTRY

SEMESTER	CORE COURSES					MULTI DISCIPLINARY COURSES	INTERNSHIP	SKILL ENHANCEMENT COURSES
I	UG-CHE-101 General Physical and Inorganic Chemistry				Minor Stream UG-CHE-101 General Physical and Inorganic Chemistry	UG-CHE-MDC1 Basics in Chemistry UG-CHE-MDC2 Selected Topics in Organic and Inorganic Chemistry		UG-CHE-SEC1 Skill Development in Chemistry
II	UG-CHE-102 General Organic and Inorganic Chemistry				Minor Stream UG-CHE-102 General Organic and Inorganic Chemistry	UG-CHE-MDC3 Selected Topics in Food Chemistry		
III	UG-CHE-201 Concepts in Physical and Inorganic Chemistry	UG-CHE-202 Concepts in Organic and Inorganic Chemistry			Minor Stream UG-CHE-201 Concepts in Physical and Inorganic Chemistry			
IV	UG-CHE-203 Comprehensive Inorganic Chemistry	UG-CHE-204 Comprehensive Organic Chemistry	UG-CHE-205 Comprehensive Physical Chemistry	UG-CHE-206 Applied Chemistry - I UG-CHE-207 Applied Chemistry - II	UG-CHE - VOC1 Instrumental Methods of Analysis			
V	UG-CHE-301 Advanced Physical Chemistry -I	UG-CHE-302 Advanced Organic Chemistry -I	UG-CHE-303 Advanced Inorganic Chemistry - I	UG-CHE-304 Applied Chemistry- III	UG-CHE - VOC2 Electroplating and Corrosion		UG-CHE-INT Internship	
VI	UG-CHE-305 Advanced Physical Chemistry - II	UG-CHE-306 Advanced Organic Chemistry - II	UG-CHE-307 Advanced Inorganic Chemistry - II	UG-CHE-PRJ Project UG-CHE-308 Applied Chemistry- IV	UG-CHE - VOC3 Industrial Process			

VII	UG-CHE-401 Bio-Inorganic Chemistry / Coordination Chemistry	UG-CHE-402 Surface Chemistry and Catalysis	UG-CHE-403 Stereochemistry and Name Reaction	UG-CHE-404 Research Methodology	Minor Stream UG-CHE-409 Selected Topics in Inorganic and Organic Chemistry			
VIII	UG-CHE-405 Organometallic Chemistry	UG-CHE-406 Electrochemistry	UG-CHE-407 Heterocyclic Chemistry OR Synthetic Organic Chemistry	UG-CHE-408 Nanomaterials and Solid State Reactions	Minor Stream UG-CHE-410 Selected Topics in Analytical and Physical Chemistry		Dissertation	

COMPUTER SCIENCE

SEM STER	MAJOR CORE	MINOR/ VOCATIONAL	MULTI-DISCI PLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	SKILL ENHANCEM ENT COURSE (SEC)	INTERN SHIP
I	UG-COM-101: Introduction to Programming	UG-COM-101: Introduction to Programming	UG-COM-MD C1: Office Automation	UG-COM- VAC1: Cyber Security	UG-COM- SEC1: Programming with R	
			UG-COM- MDC2: Introduction to Python Programming			
II	UG-COM-102 : Database Management Systems	UG-COM-102: Database Management Systems	UG-COM-MD C2: Introduction to Python Programming	UG-COM-VA C1: Cyber Security	UG-COM-SE C2: Programming In Python	
			UG-COM-MD C3: Introduction to R Programming			
III	UG-COM-201: Data Structures	UG-COM-201: Data Structures	UG-COM-MD C4: Fundamentals of Data Science		UG-COM- SEC3: UI/UX Design	
	UG-COM-202: Object Oriented Programming					
IV	UG-COM-203: Computer Architecture	UG-COM-VOC- 1: Web Design				
	UG-COM-204: Operating System					
	UG-COM-205: Mobile Application Development					
	UG-COM-206: Software Engineering					

V	UG-COM-301: Full Stack Development	UG-COM-VOC- 2: Digital Marketing				UG-COM -INT: Internship
	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					
VIII	UG-COM-406: Compiler Design	UG-COM-410: Network Security				
	UG-COM-407: Deep Learning					
	UG-COM-408: NLP					
	UG-COM-409: Educational Technology					

GEOGRAPHY

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEMENT COURSE (SEC)
I		UG-GEG-DSC(M)- 101: Fundamentals of Physical Geography				UG-GEG-SEC- 101: Basic of Geographical Information System (GIS)
II		UG-GEG-DSC(M)- 102: Concepts in Geomorphology				UG-GEG-SEC- 102: Remote Sensing and Environment
III		UG-GEG-DSC(M)- 201: Dynamics of Atmospheric science				UG-GEG-SEC- 201: Application of Remote in Natural Resource Management
IV		UG-GEG-DSC(M)- 202: Ocean and Coastal Studies				
V		UG-GEG-DSC(M)- 301: Terrestrial Ecological Studies				
VI		UG-GEG-DSC(M)- 302: Statistical Applications				
VII		UG-GEG-DSC(M)- 401: Geography of Soil				
VIII		UG-GEG-DSC(M)- 401: Field Survey and Field Techniques				

GEOLOGY

SEMESTER	MAJOR (4 credits/course)	MINOR/ VOCATIONAL (4 credits/course)	MULTIDISCIPLINARY COURSE (MDC) (3 credits/course)	SKILL ENHANCEMENT COURSE (SEC) (3 credits/course)
I	UG-GEL-101: Fundamentals of Geology		UG-GEL-MDC1: Natural Hazard Management UG-GEL-MDC2: Historical Geology	UG-GEL-SEC1: Exploratory Drilling and Drillhole Data Management
II	UG-GEL-102: Earth Dynamics and Tectonism			UG-GEL-SEC2: Field Techniques for Geological Mapping
III	UG-GEL-201: Optical Mineralogy		UG-GEL-MDC3: Physical Geology	UG-GEL-SEC3: Gemmology
	UG-GEL-202: Stratigraphy and Paleontology			
IV	UG-GEL-203: Mineralogy	UG-GEL-VOC1: Occupational Health and Safety		
	UG-GEL-204: Ore Genesis			
	UG-GEL-205: Geotectonics			
	UG-GEL-206: Sedimentary Petrology			
V	UG-GEL-301: Magma Evolution and Igneous Rock Formation	UG-GEL-VOC2: Groundwater Exploration Techniques		
	UG-GEL-302: Metamorphic Petrology			
	UG-GEL-303: Precambrian Stratigraphy of India			
VI	UG-GEL-304: Phanerozoic	UG-GEL-VOC3: Petroleum Exploration and		

	Stratigraphy of India	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: Geological Field Training			
	UG-GEL-408: Ocean Sciences			

MATHEMATICS

SE ME STE R	MAJOR CORE	MINOR/ VOCATIONA L	MULTIDISCI PLINARY COURSE (MDC)	VALU E ADDE D COUR SE (VAC)	ABILITY ENHAN CEMENT COURSE (AEC)	SKILL ENHANCE MENT COURSE (SEC)
I	UG-MAT-101: Basic Algebra	UG-MAT-102: Basic Calculus	UG-MAT- MDC1: Statistics I			UG-MAT- SEC1: Differential Equations I
II	UG-MAT-103: Basic Real Analysis	UG-MAT-104: Mathematics for Sciences	UG-MAT- MDC2: Mathematics for Competitive Exams			UG-MAT- SEC2: Opera tions 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

SEM ESTE R	MAJOR CORE	MINOR/ VOCATIONAL	MULTI- DISCIPLINAR Y COURSE (MDC)	SKILL ENHANCEME NT 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-SEC1: Introduction to Mathematical Physics-I
II	UG-PHY-103: Electricity and Magnetism	UG-PHY-104: Electricity, Magnetism and Electronics	UG-PHY- MDC2: General Physics: Light and atoms	UG-PHY-SEC2: Introduction to Mathematical Physics-II
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
	UG-PHY-202: Optics			
	UG-PHY-203: Modern Physics*			
	UG-PHY-204: Oscillation, Waves and Sound*			
IV	UG-PHY-206: Quantum Mechanics*	UG-PHY-211: Heat and Optics		
	UG-PHY-207: Heat and Thermodynamics*	UG-PHY- VOC1: Computational Physics		
	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-305: Statistical Physics and Solid State Physics		
	UG-PHY-302: Solid State Physics*	UG-PHY- VOC2: Basics of Visualization and Scientific word Processing		
	UG-PHY-303: Thermodynamics and Statistical Mechanics*			
	UG-PHY-304: Solid State Devices			
VI	UG-PHY-306: Atomic and Molecular Physics	UG-PHY-310: Atomic and Nuclear Physics		
	UG-PHY-307: Mechanics II*	UG-PHY- VOC3: Instrumentation		
	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 may be offered to the minor students

ZOOLOGY

SEMESTER	MAJOR CORE	MINOR/ VOCATIONAL	MULTIDISCIPLINARY COURSE (MDC)	VALUE ADDED COURSES (VAC)	ABILITY ENHANCEMENT COURSE (AEC)	SKILL ENHANCEMENT COURSE (SEC)
I	UG-ZOO-101 Animal Diversity: Non Chordates & Chordates	UG-ZOO-102 Introduction to Animal Diversity				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 Gentic Traits and Diseases	UG- ZOO- MDC3 Aquarium maintenance: Freshwater and Marine fishes			UG-ZOO- SEC3 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-305 Wildlife Biology and Ethology					
	UG-ZOO-306 Human Physiology					
	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					

C. CREDITS FOR EXTRA CURRICULAR SUBJECTS/ACTIVITIES

The following categories of extra-curricular subjects 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

The policy pertaining to credits for the above extra-curricular subjects /activities shall be as follows:

1. Participation in the above extra-curricular subjects / activities shall fetch a credit for every 30 hours.
2. Extracurricular subjects / activities carry a total of five credits, involving 150 hours of contact training / practice.
3. Students can choose any activity listed above and specialize in the activity fully to earn five credits. In such a case, he/ she will have to complete 150 hours of contact training in that chosen activity over the entire academic period.
4. Students can also choose multiple activities from those listed above. Students can schedule the training in these activities so as to complete it during the entire academic period.
5. However, if a student opts to earn credits by participating in an exchange programme, then he/she has to actually work as part of the exchange programme for two weeks. This will fetch the student two credits. The remaining three credits can be earned by a student by opting for any other subject /activity listed above.
6. It is important that records of such training sessions are maintained accurately and in a transparent manner by a supervising authority responsible for it. These records must be vetted every semester by the faculty member overseeing the activity. It is important that College Clubs as well as outside institutes/trainers provide transparent records of the duration of contact training.
7. Every student should submit, every semester, authentic report about their training/participation in the extracurricular activity, and the number of contact hours maintained in it, to the College through the faculty in charge of the activity.

8. To impart training it is important that the Clubs have a structured training regime and the training programme is well scheduled with increasing level of difficulty as the training sequence progresses.

1. Enrolling for Music and Dance Programme

A student opting for an activity under this head should enrol with the designated club/s of the College.

In case such activity is not offered by any club of the College, a student, on seeking the permission from the College, may enrol with an accredited external institute imparting such training or with an accredited external trainer. External institutions approved for training are the Trinity College of Music, London and Kalangan, Margao or any such registered organisation.

It is important that records of such training sessions are maintained accurately and in a transparent manner by a supervising authority responsible for it. These records must be vetted every semester by the faculty member overseeing the activity. It is important that College Clubs as well as external institutes/trainers provide transparent records of the duration of contact training.

2. Enrolling for Sports Programme

A student may enrol in sports activities as per the Sports Policy of the College. A student is required to enrol with a specific sports club of the College and attend the required number of practice and training sessions.

3. Enrolling for the National Cadet Corps (NCC) Programme

A student may enrol in the NCC as per the NCC charter. Minimum number of hours permitted to be completed in a semester is 30 hours.

4. Enrolling for the National Service Scheme (NSS) Programme

A student may enrol in the NSS as per the NSS policy.

5. Enrolling for the Life-Skills Programme

Students may choose to pursue life-skills programme as one of the extracurricular subjects. In such cases, students could pursue activities/training like public-speaking, leadership training, and other similar life-skill programmes accepted by the College.

6. Enrolling for the Student's Exchange Programme

To be selected as participant of a student's exchange programme (International Exchange Programme - with educational institutions overseas - as well as National Exchange Programme - with educational institutions within the country but outside the state of Goa), students will have to apply to the College when there is a call for such applications and comply with all the formalities of the selection process. Students will have to clearly follow the guidelines given to them on the Exchange Programmes. These guidelines include dos and don'ts before, during and after the programme. Students are expected to attend lectures, field-visits and/or laboratory work, present cultural programmes and behave in a manner consistent with being an ambassador of the College. On return from the exchange programme, students will have to present a report. For more details, the student is required to contact at international_exchange@chowgules.ac.in

7. Enrolling for the Outreach Programme

Students may choose to get involved in the outreach programme initiated by the College involving college academic departments. Outreach programmes will be notified by the College from time to time. In order to obtain the required credits under Outreach programme, the students need to meet the criteria specified in the guidelines.

D. ENROLLMENT FOR ADDITIONAL COURSES

A student may choose to enroll for additional courses and acquire additional credits. Such a request may be granted by the Department offering the course if the student is able to attend it under the existing timetable schedule. The student must ensure that he/she is able to maintain at least a minimum of 75 percent attendance in the course and complete the entire course-work, including the assessments, so as to obtain the credits and grade in the course.

Additional conditions are as follows:

- a. Enrollment for additional courses will depend on the availability of seats.
- b. Students are required to pay the prescribed fees to enroll for additional courses.
- c. A student will have to obtain official permission, through the College office, to enroll for the additional course/s.

V 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, Librarian

Email: pmj001@chowgules.ac.in

2. LABORATORIES:

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

Computer Labs: The College has 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 basic equipments.

3. DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS MANAGEMENT

Sports activities are considered an integral component of overall personality and social development of students and as such needs to be encouraged. Our objective is to produce healthy men and women who play with good sportsmanship and are competitive every time they step onto the field. The college aims in having pupils committed to their team.

Contact Person: Dr. Devashish Bagchi

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

4. STUDENT SUPPORT SERVICES DEPARTMENT

This college extends support to students with regards to various activities required for a well-developed academic life. 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 well-round 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: Mrs. Rupali Tamuly

Email: rmt001@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.

Contact Person: Ms. Chelsea Fernandes

Email: cmf000@chowgules.ac.in

c. Career and Personal Counselling Centre

In order to help students to make a well-researched choice of careers, the Career and Personal Counseling Centre offers a range of counseling solutions such as Vocational Guidance (aptitude testing) and Career Counseling. Personal counseling with a personal counselor is also available to tide over personal issues and concerns. The centre aims at developing a career plan for students by helping them to connect with their field of study to different occupational alternatives, create a post-graduate educational plan and explore job-opportunities.

Contact Person: Ms. Jofira Gonsalves

Email: counseling@chowgules.ac.in

d. School of Foreign Languages

School of Foreign Languages at Parvatibai Chowgule College of Arts and Science promotes foreign language learning and culture. Experts and native speakers conduct the following foreign language course for the students and public at the College.

- 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. THE TIGER STUDIO

The College is the first educational institution in Goa to have a full-fledged studio for pre & post production of videos for film and television. The studio is well equipped with HD Cameras, Crane, Professional Indoor & Outdoor Lights, MAC and Windows workstations as well as professionally sound proofed areas.

Tiger Studio runs a number of short term and advanced courses in Video-Editing, Animation, Sound-Editing, Photography, Videography, Special Effects and many more.

Contact Person: Mr. Shubhajit Datta

Email: sud005@chowgules.ac.in

6. PHYSICAL FITNESS CENTRE AND REHABILITATION & MEDICINE CENTRE

Spread over 35000 Square feet, the Centre is equipped with a sports and recreational fitness facility, featuring cardio equipment, selector machines, Iso-kinetic machines, free weights, indoor running track, plyometrics platforms, dot drill mats and Olympic platforms. These are useful to a wide range of users ranging from elite athletes to recreational gym goers.

The sports medicine centre is designed to cater to all sports persons and others who are suffering from all musculoskeletal ailments. It is equipped with x-ray unit to conduct thorough diagnostics of the athletes as well as other individuals who are seeking pain relieving modalities. The centre also has a hydro therapy pool to treat athletes and others who are suffering from injuries to lower extremities.

Contact Person: Mr. Pranav Sanvordekar

Email: pvs004@chowgules.ac.in

7. STUDENT CLUBS

The bonafide students of college can earn five non-evaluative credits in extracurricular activities by joining a student governed club. The office of students' affair offers membership of various student governed clubs throughout the academic year.

Contact Person: Dr. Devashish Bagchi

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

8. 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: gsd001@chowgules.ac.in

9. CENTRE FOR TEACHING AND LEARNING

The Centre for Teaching and Learning was inaugurated in November 2017 and is the first in the State of Goa and one of the few Centres in the country.

This Centre 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

VI

COLLEGE POLICIES

The following policies are available on college website:

Policies

- Policy on Enrollment for Additional Courses - Additional Credits
- Policy on Credits for Extra-curricular Subjects and Internship
- Library Policy
- Academic Integrity and Avoiding Plagiarism
- Policy Prevention of sexual harassment
- College Statement on Plagiarism
- Information Systems Security Policy
- IT Policy
- Sports Policy
- IPR Policy
- Policy on Green Campus Environment and Energy Usage
- Policy on Human values and Professional Ethics
- Code of Conduct
- Code of Ethics
- Policy on Laboratory Waste and disposal
- Policy of inclusion of students with disabilities
- Procedures and Policies for maintenance of infrastructure
- Policy and guidelines - Finance and administration Self Financed programs
- National Innovation and Start up Policy for Students and Faculty
- Medical and Duty Leave Rules
- General Policy for drafting Memorandum of Understanding
- Policy on Students Welfare
- Guidelines for utilization of budget allocation

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 student 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 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 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

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. 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. The college is NOT responsible if the vehicle is towed away if parked in 'No Parking Area'. Misusing the parking ground is an offence and would invite 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.

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 Complaint 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.

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 search fee.
4. Certificates will not be issued at less than 48 hours notice.

IX

SCHOLARSHIPS AND PRIZES

A. GOVERNMENT SCHEMES/SCHOLARSHIPS

- Post Matric Scholarship to SC/ST/OBC students
- Post Matric Scholarship for Minority Students/Central Sector/Disabled and others(National Portal Scholarship) Kindly visit <https://scholarships.gov.in> for further details and after applying please submit hardcopy to college office for verification.
- Promotion of Science Scheme (Above 75 % Students at HSSC& Renewal 60%)
- Fee Waiver Scheme for SC/ST Students
- Dayanand Bandodkar Scheme for Higher Education for Orphans
- The Bursary Scheme
- Six Scholarship Schemes for Students with disabilities
- Jauhar National Fellowship for Muslim Minority Students
- Free-ship to children of persons from Armed Forces killed or disabled.
- Free-ship to physically handicapped students.
- Free-ship to students belonging to Scheduled castes and tribes.

NOTE: Eligible students can apply for the above scholarships/schemes and requested to contact college office for further details. Those who apply for any scholarships/schemes through online mode should submit application form along with hardcopies of the documents.

B. MERIT SCHOLARSHIPS:

The first 3 students in a class (not division) for each academic discipline shall be awarded the first, second and third merit scholarship, provided they obtain at least 60% of marks in the examination.

C. FINANCIAL HELP FROM STUDENTS AID FUND

The college has 'STUDENTS AID FUND' to render financial assistance (Rs. 3,000/-per student) to poor students to meet part or full tuition fee or examination fee or purchase of books or similar other expenses. Income of the parents of the applicant student should not exceed Rs. 2,00,000/- per annum.

GENERAL RULES APPLICABLE TO ALL THE ABOVE SCHOLARSHIPS

1. The amount of scholarship will be adjusted against the fees and other dues (if any) and will NOT be given in cash.
2. The scholarships are not transferable (Government or any other)
3. In case a student is awarded a better scholarship by the private agency, the college scholarship will be withdrawn.

BLUE CROSS LABORATORIES SCHOLARSHIP :

Blue Cross Laboratories Scholarship is meant for meritorious students facing financial constraints to continue education.

Income certificate submission is mandatory. Scholarship is decided on merit basis and subject to availability of funds.

The **Students' Welfare Committee (Scholarships, Freeships, Prizes, Students' Aid Fund)** scrutinizes the students applications as per the criteria's decided by the Scholarship providing party and recommends Scholarships.

For further details, contact the Convener of Students' Welfare Committee (Scholarships, Freeships, Prizes, Students' Aid Fund)

CONTACT DETAILS

Name	Designation	Department	Email ID
Prof.(Dr.) Sangeeta Sankhalkar	Offg. Principal	Botany	principal@chowgules.ac.in
Mr. Kumaresh V. C.	Vice-Principal	Computer Science	kvc001@chowgules.ac.in
Dr. Meghana Devli	Assoc. Prof, Head & Dean of Sciences	Geology	msd001@chowgules.ac.in
Mr. D. Prabakaran	Assoc. Prof & Controller of Examination	Computer Science	vdp001@chowgules.ac.in
Dr. Uma Masur	Assoc. Prof.& Head	Botany	uam001@chowgules.ac.in
Dr. Starlaine Mascarenhas	Asst. Prof & Incharge	Biotechnology	scm008@chowgules.ac.in
Ms. Sarah Mesquita	Asst. Prof & Incharge	Biochemistry	stm009@chowgules.ac.in
Dr. G. K. Naik	Assoc. Prof & Head	Chemistry	gkn001@chowgules.ac.in
Dr. Sameena Falleiro	Assoc. Prof & Head	Computer Science	ssf001@chowgules.ac.in
Ms. Danielle Monteiro	Asst. Prof & Incharge	Mathematics	dcm001@chowgules.ac.in
Dr. Ashish Desai	Asst. Prof & Incharge	Physics	amd006@chowgules.ac.in
Prof (Dr.) Nandini Vaz Fernandes	Prof & Head	Zoology	nvf001@chowgules.ac.in
Prof. (Dr.) Nandkumar N. Sawant	Prof & Head	Geography	nns001@chowgules.ac.in
Mrs. Rupali Tamuly	Assoc. Prof & Head	Economics	rmt001@chowgules.ac.in
Mrs. Sarita S. Naik Tari	Assoc. Prof & Head	History	sst001@chowgules.ac.in
Dr. Sobita V. Kirtani	Asst. Prof & Incharge	Psychology	svk004@chowgules.ac.in
Ms. Saroj Usgaonkar	Asst. Prof. & Incharge	Philosophy	sau002@chowgules.ac.in
Dr. Sachin S. Moraes	Asst. Prof & In-charge	Sociology	ssm005@chowgules.ac.in
Dr. Sonia Fernandes Da Costa	Asst. Prof. & Incharge	English	sof002@chowgules.ac.in
Dr. Gunaji Desai	Assoc. Prof. & Head	Konkani	gsd001@chowgules.ac.in
Ms. Alka Gawas	Asst. Prof. & Incharge	Hindi	agg004@chowgules.ac.in

Ms. Carol Barreto Miranda	Asst. Prof & Incharge	French	cpb002@chowgules.ac.in
Ms. Trupti Fal Dessai	Asst. Prof & Incharge	Marathi	ffd000@chowgules.ac.in
Dr. Devashish Bagchi	Director	Physical Edu. & Sports	dzb001@chowgules.ac.in
Mrs. Poonam Joshi	Librarian	Library	pmj001@chowgules.ac.in
Mr. D.M. Prabhudessai	Accountant	Accounts	dmp001@chowgules.ac.in
Mr. Mahadev Sawant	Accountant	Accounts	mss006@chowgules.ac.in
Mr. Amey Gaonkar	Head	Office of Information Technology	amg000@chowgules.ac.in
Mr. Shubhajit Datta	Technical Director	CCCA(Chowgule Centre of Creative Arts)	sud005@chowgules.ac.in
Ms. Nina Coutinho	HR Executive	Administration	mnc003@chowgules.ac.in

XI

ACADEMIC CALENDAR 2023- 2024

Academic calendar for semester I, III and V

Semester begins	- 19 June 2023
First CA for semester I, III and V	- Dates will be announced by the respective departments.
Second CA for semester I, III, and V	- Dates will be announced by the respective departments.
Ganesh Chaturthi Break	- 18 September 2023 to 23 September 2023
Semester End Examinations	- 14 November 2023 to 02 December 2023
Semester ends	- 21 October 2023
Diwali Break	-23 October 2023 to 11 November 2023
Christmas Break	- 25 December 2023 to 01 January 2024

Academic Calendar for Semester II, IV and VI

Semester begins	- 05 December 2023
First CA for semester II, IV and VI	- Dates will be announced by the respective departments
Second CA for semester II, IV and VI-	Dates will be announced by the respective departments
Semester End Examinations	- 15 April 2024 to 20 May 2024
Semester ends	- 06 April 2024
Summer Vacation	- 06 May 2024 to 20 June 2024



Fatorda, Gogol, Margao, Goa-403602

Phone: 0832-2722222,

• www.chowgules.ac.in • email: principal@chowgules.ac.in