Chowgule Education Society's
Parvatibai Chowgule College of Arts and Science
(Autonomous)
Accredited by NAAC with Grade 'A+' (CGPA Score 3.27 on a 4 Point Scale)
Best Affiliated College-Goa University Silver Jubilee Year Award

Autonomy Ordinance (AO) Governing the Undergraduate (UG) Programmes of Bachelor of Arts and Bachelor of Science for 4 yr honours and honours with Research Programmesand othersuch 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
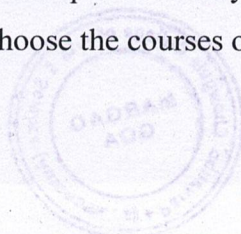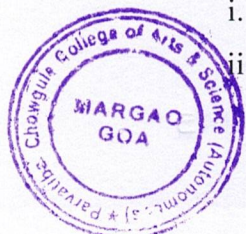
problem solving, critical thinking, creative thinking, communication skills; and rigorous specialization in a chosen field (s) of learning.

- 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:
  - o UG Certificate after completing 1 year (2 semesters) of study in the chosen fields of study,
  - o UG Diploma after 2 years (4 semesters) of study,
  - o Bachelor's degree after a 3-year (6 semesters) programme of study,
  - o 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 programmewould 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 upto40% 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
Each Course may have: • 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:

i. 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.

ii. 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:
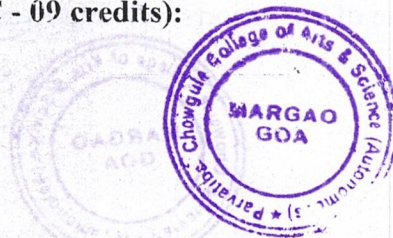
i. Natural and Physical Sciences:Students can choose basic courses from disciplines such as Natural Science, for example, Biology, Botany, Zoology, Biotechnology, Biochemistry, Chemistry, Physics, Biophysics, Astronomy and Astrophysics, Earth and Environmental Sciences, etc.

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.

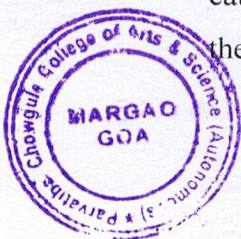### AO-13.10: Research Project / Dissertation

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 (Minimum 12 credits in Vocational Education and Training and 12 credits in a Minor shall earn a Minor in that Discipline/Subject)	32 (Minimum 12 credits in Vocational Education and Training and 12 credits in a Minor shall earn a Minor in that Discipline/Subject)
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 (08 credits related to the First Major and 04 credits related to the Second Major)	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.
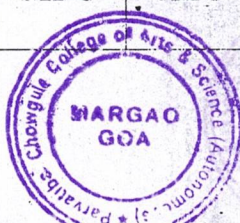
At Semester 6, of the total 20 credits to be earned, a student shall do 03 Major Discipline Specific Core of 04 credits each of 300-level, one Project of 04 credits and one Vocational Course of 04 credits of 200 level.

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)

Sem este	Major Discipline	Minor Stream	MDC	AEC	VAC	SEC	Interns hip	Total

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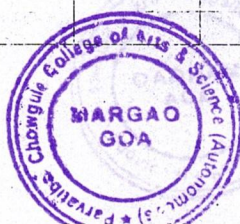
At Semester 6, of the total 20 credits to be earned, a student shall do 03 Major Discipline Cores of 04 credits each of Level 300, one Project of 04 credits and one Vocational Course of 04 credits of Level 200.

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)

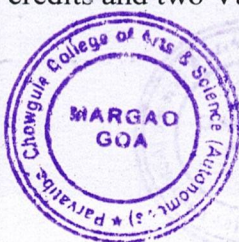| Sem ester	Major Discipline Core	Minor Stream	MDC	AEC	VAC	SEC	Inte rnsh ip	Diss erta tion	Total

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	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	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) Voc A1 (4)	Core B5 (4) Core B6 (4)						20
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 (4)	Core B9 (4) Core B10 (4) Core B11 (4)							20

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.
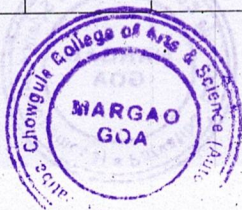
At Semester 6, of the total 20 credits to be earned, a student shall do two Discipline Specific Core Courses of 04 credits each of 300 Level and one Project of 04 credits from the first Major Discipline; one Discipline Specific Core Course of 04 credits of 300 Level and one Vocational Course of 04 credits 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)	VAC 1 (2) VAC 2 (2)	SEC1 (3)			20
2	Core A2 (4)	Core B2 (4)		MDC2 (3)	AEC2 (2) AEC3 (2)	VAC 3 (2)	SEC2 (3)			20
3	Core A3 (4)	Core B3 (4) Core B4		MDC3 (3)	AEC4 (2)		SEC3 (3)			20

		(4)									
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 U G-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.
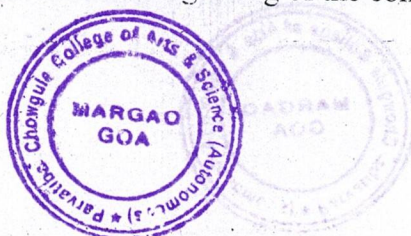
AO-20.3.3: Assessment of Project Work

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 anExternal Examiner, the Head of Department should submit the names of the prospective external examiner to the office of theController 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:
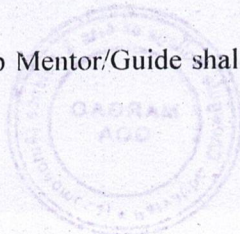
- **Research Conceptualization(100 marks):** The student shall make a presentation of the research conceptualization (identification of the research problem, objectives, hypotheses, literature review, research design and methodology etc.) before the Department Faculty Council of the Department. 50% of 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.
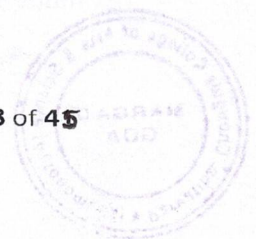
- **Seminar Report:** The student shall make a presentation of the Seminar report and 50 marks shall be awarded by the Department Faculty Council of the Discipline.

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.

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

Where C_i is the number of credits of the ith course and G_i is the grade point scored by the student in the ith course in each semester. Here, $i = 1,2,3......n$, 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,

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

Where C_i is the number of credits of the ith course and G_i is the grade point scored by the student in the ith course in the entire programme. Here, $i = 1,2,3......n$, 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:

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

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.

AO-20.8 Scheme for award of entitlement marks and grace marks at the Semester End Examinations.

Candidates who have participated in NCC/ NSS/ Sports shall be entitled to entitlement marks as per the following Scheme.

I) Candidates who have been enrolled as members of the NCC and are certified by the Principal of the college/Head of Institutions as having satisfactorily completed 40 parade's/ Semester for the Semester Scheme of examination

OR

II) Candidates who have participated in the NSS programme and are certified by the Principal of the college/Head of Institutions as having satisfactorily completed at least 60 hours of social service comprising the time spent in one or more types of projects during a semester for the Semester Scheme of examination.

III) All the above category of students participating in the NCC/NSS at the University / Inter-University/Inter-State/National/International level (representing the University or State) shall be entitled to the gracing of 1% of maximum aggregate marks under any one or more of conditions (a) to (c) mentioned below for the examination pertaining to the respective semester.

a) A candidate who fails to pass in one or more heads of passing shall be graced to the extent of 5% of the maximum marks allotted to the head of passing subject to a maximum of 1% of maximum aggregate marks.

b) A candidate who fails to pass an examination shall be graced up to a maximum of 1% of the maximum aggregate marks for the purpose of an exemption in a Head/Heads of passing provided the marks so graced in a Head/Heads of passing shall not exceed 5% of the maximum marks allotted to the Head/Heads of passing.

c) The entitlement marks whether allotted or not fully or partially under any of the heads of passing shall be shown along with the grand total with appropriate '#' sign.

Provided that in the case of a candidate appearing at the examination under semester system, the benefit of gracing mentioned above shall be given at the respective semester examinations.

The entitlement marks under this scheme shall not be counted for purposes of placement in the order of merit or award of scholarships, prizes and medals or of other awards.

IV) Candidates who have to their credit, participation in Sports events during the academic year/ semester as specified below:

A)Eligibility

Candidate (Sportsperson) should be a bonafide student of college and after obtaining prior approval of the respective Principal / Dean / Head of Department should participate in the sport events approved by the Sports Council of Goa University, National Sports Federation having recognition of the Ministry of Youth Affairs and Sports, Indian Olympic Association, Association of Indian Universities.

A candidate shall be eligible for Sports Merit Marks only after the completion of his/her performance in the event and the marks so allotted shall be counted for his/her first appearance at the respective Semester /term/ retake/Annual exam only. In the event of his/her performance in more than one category/sport, only the highest marks allotted in any one with category/sport will be considered.

For the purpose of allotment of marks, sports events shall be divided into the following categories:

Category A: Students representing India in the following International events. Olympic games, World Championships, World Cups, Davis Cup, Thomas Cup, Uber Cup. Para Olympic Games, Winter Olympic Games, Champions Trophy, Commonwealth Games, Commonwealth Championship, World University Games, World University Championships, Asian Games (Indoor/Outdoor Games), Asian Cups, Asian Championships, Asian Winter Games, Asian Para Olympics, Wimbledon Championship, US, French and Australia Open Tennis Championships. All England Badminton Tournament. Youth Olympic Games.

Category B: Students representing India in the following International events/Championships recognized by National Sports Federation which are duly approved by the Ministry of Youth Affairs and Sports/Indian Olympic Association/Association of Indian Universities.

One Day International Cricket Matches, Cricket Test Matches, Commonwealth Youth Games, International Athletics Permit Meet, Asian Youth Games, Asian Martial Art Games, SAF Games. Any other international games/sports recognized by Indian Olympic Association.

Category C: Students representing Goa State for National events organized by the recognized National Federation which are duly approved by the Indian Olympic Association/Association of Indian Universities.

i)   National games
ii) National Championship (Only one in each recognized discipline to be determined by respective National Federation)
iii) Federation Cups organized by National Sports Federations recognized by the Government of India and Indian Olympic Association.
iv) National Sports Festivals for Women.

Category D (1): Students representing Goa University in the All India Inter-University Championships approved by Association of Indian Universities

Category D (2): Students representing Goa University in Zonal Inter- University Championships approved by Association of Indian Universities.

Category E: Students representing the College in the Inter-Collegiate Tournaments as approved by the Sports Council and organized by Goa University.

A student shall have to attend a minimum of ten practice sessions consisting of two hours each, organized by the College/University in the form of Inter-class/Intramural competition/coaching in order to be eligible for participation/selection at inter-college championships.

B. Allotment of Sports Merit Marks to Categories.

Students participating in sports shall be eligible for merit marks for participation and achievements as per the table given below:

Category	Participation	Winner/Gold Medal	Runners-up/Silver Medal	Semi finalist/Bronze Medal
A	28	28+24=52	28+22=50	28+20=48
B	26	26+22=48	26+20=46	26+18=44
C	16	16+20=36	16+16=32	16+14=30
D1	20	20+16=36	20+12=32	20+10=30
D2	16	16+12=28	16+08=24	16+06=22
E	10	10+06=16	10+04=14	10+02=12

C) (i): Sports Merit Marks allotted to a student passing on his/her own merit shall be indicated separately in the mark sheet . However, unless otherwise eligible, the same shall not be counted for the purpose of obtaining any University scholarship, prizes, medals or placement in order of merit/rank for the said exam.

(ii) A student shall be eligible for the Sports Merit Marks in a particular Course/Subject, provided that he/she shall have obtained a minimum of 50% of marks required to pass/claim exemption in that Course/Subject. In the event of the student being unable to utilize the Sports Merit Marks, the same can be carried forward to the subsequent appearance of the same examination.

(iii) A student failing in a particular Course(s)/Subject(s), whether in theory or practical or both, the Sports Merit Marks shall be added to the Course(s)/Subject(s) and indicated by a hash (#).Balance marks, if any, shall be shown separately in the marksheet.

(iv) In case of semester system of examination, the entitlement marks on account of participation of sports shall be awarded at the examination conducted at the end of the semester during which the student is eligible for such marks.

N.B. (a) The marks graced under this scheme shall be shown separately in the candidate's marks sheet.

b) The benefit envisaged in the above clauses shall be made available to students on their producing the necessary certificate in that behalf.

c) If the percentage of the grace marks calculated/arrived at, comes to decimal of 0.5 and above then it shall be rounded to the nearest higher whole number.

d) The students participating in Sports/NCC/NSS shall be eligible to get marks under only one category in whichever he/she scores maximum.

PRINCIPAL
PARVATIBAI CHOWGULE COLLEGE
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