

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



HANDBOOK



Applicable to students who have registered for First year B.A./B.Sc.
in the academic year 2022-2023 onwards

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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 Ph.D. programmes. Parvatibai Chowgule College is accredited by NAAC with Grade 'A+' (CGPA of 3.27 on a 4-point scale in the 4th cycle). The college was adjudged by Goa University as the "Best Affiliated College", at the time of its Silver Jubilee celebrations in the year 2009. It was also conferred with the "Best Educational Institute" award by Business Goa in 2014.

Having been conferred with 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 undergraduate, postgraduate, postgraduate diploma, certificate courses and Ph.D. programmes in the Arts, Science and the Vocational streams. Today, the

College offers twenty-one undergraduate and seven post-graduate degree programmes, some of these courses are unique in Goa.

The various programmes offered at the undergraduate level in the Arts Stream are: *English, French, Hindi, Konkani, Marathi, Mathematics, Economics, Geography, History, Philosophy, Psychology, and Sociology*. Programmes in the Science Stream are: *Biochemistry, 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, M.A. in Hindi 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 and Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques*.

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

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

Two prominent student guidance facilities are available at the College: Staff Advisory Programme (mentoring) and Student Support Services. Mentoring of students is an integral part of our educational system, providing guidance and encouragement. Mentors play a key role in this college as they nurture students and help them remain connected and engaged, thus strengthening student's performance. 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 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 many foreign and Indian educational institutes. Under this, regular faculty and student exchange programmes are regularly initiated wherein the students can pursue their programme at a foreign University for a semester or for an academic year and can avail transfer of credits.

The College 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 'cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, 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.

Objectives:

The College endeavours to provide its students with good communication skills, develop their problem solving abilities, help them to think outside the box and find new ways of doing things, and to provide them with skills that aim at tackling the problems of “know how” and “know why” - i.e. develop in them the ability to question and engage deeply, enable them to take responsibility for their careers in acquiring new skills and develop a professional and ethical personality.

Grading System:

The grading system shall apply to all undergraduate programmes under the credit system awarded by the College.

Definitions of Key Words:

1. **Programme:** An educational programme leading to the award of a degree, diploma or certificate.
2. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
3. **Semester:** Each semester will consist of 15 weeks of academic work. The odd semester may be scheduled from June to November and even semester from December to May, including breaks and vacations.
4. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching or two hours of practical work/field work per week.
5. **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by students.
6. **Core Courses:** Core courses are those that are basic and essential to acquire the fundamentals in a subject.
7. **Elective Courses:** Elective courses are those that students can select from the options offered in the subject as per their interest.
8. **Foundation Courses:** Foundation courses are those that provide basic skills across disciplines.

9. **Choice Based Credit System (CBCS):** The CBCS enables students to make a selection from the prescribed courses (core and elective, soft skill and non-academic courses).
10. **Credit Point:** It is the product of grade point and number of credits for a course.
11. **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
12. **Letter Grade:** It is an index of the performance of students in a given course. Grades are denoted by letters O, A+, A, B+, B, C, P and R.
13. **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
14. **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
15. **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester.
16. **Generic Elective Courses:** Generic Elective is an elective course chosen generally from an unrelated discipline/subject. The interdisciplinary courses offered under the old course structure shall also be provided as generic elective courses under the current structure.
17. **Skill Enhancement Courses:** Skill Enhancement Courses are value-based and/or skill-based courses and are aimed at providing hands-on-training, competencies, skills, etc.

Under the CBCS the undergraduate degree programme is of three years duration and consists of six semesters. A student needs to offer a minimum of 130 credits to complete the programme.

Autonomy Ordinance (AO) relating to the Three Years Undergraduate Degree Programmes in Arts and Science:

Degree to be awarded:

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

The following undergraduate degree programmes shall be conducted:

- (a) Bachelor of Arts (B.A.)
- (b) Bachelor of Science (B.Sc.)
- (c) Bachelor of Vocation (B.Voc.)

Duration of course:

The afore-mentioned Undergraduate Degree Courses shall each have duration of three academic years. Every academic year shall consist of two semesters.

Eligibility for admission:

The College shall adopt the ordinance **OC-45.2** of Goa University with certain amendments.

AO-1: Eligibility for admission to Undergraduate Programme

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

AO-1.1: Eligibility for admission to Semester - I and Semester - II (in the first year) B. A. course

- A. To be eligible for admission to the Semester-I of the Three Year course leading to the degree of Bachelor of Arts, the candidate should have passed (i) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Arts / Commerce stream, OR (ii) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Vocational stream in the subjects notified by the University under this clause from time to time, OR (iii) Std XII (Arts) or similar examination of any another body, equivalent to Goa Board of Secondary and Higher Secondary Education, Goa, and recognized as such by Goa University.

- B. A candidate satisfying the conditions laid down by the University for admission to the Semester-I course in B. Sc. shall also be eligible for admission to the Semester-I of B. A. course.
- C. A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the college. However, the Principal along with the Dean of concerned Faculty and the Chairperson(s) of Board(s) of Studies of concerned subjects shall decide the eligibility.
- D. A candidate admitted for Semester-I shall be deemed eligible for admission to Semester-II.
- E. A student will be allowed to undertake a core course (CC) / core elective (CE) having a prerequisite only if he/she has attained at least the grade P in the specified prerequisite course/s.

AO-1.2: Eligibility for admission to Semester-I and Semester-II (in the first year) B. Sc. course

- A. To be eligible for admission to the Semester-I of the three years course leading to the degree of Bachelor of Science, the candidate should have passed (i) the Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Science stream, OR (ii) the Higher Secondary Certificate (Std. XII) Examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Vocational stream in the subjects notified by the University, under this clause, from time to time, OR (iii) Std XII (Science) or similar examination of another body equivalent to Goa Board of Secondary and Higher Secondary Education, Goa and recognised as such by Goa University.
- B. A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the college. However, the Principal along with the Dean of concerned Faculty and the Chairperson(s) of Board(s) of Studies of concerned subjects shall decide the eligibility.
- C. A candidate admitted for Semester-I shall be deemed eligible for admission to Semester-II.

- D. A student will be allowed to undertake a core course (CC) / core elective (CE) having a prerequisite only if he/she has attained at least the grade P in the specified prerequisite course/s.

AO-1.3: Eligibility criteria for admission to Semester III and IV, V and VI of B.A. /B.Sc. degree programme

- A. A student will be eligible to be admitted to each of the semester on completion of the previous semester.
- B. A student migrating from any other recognized University may be considered for admission to Semester-III of the B. A./ B. Sc. Programs provided: (a) he/she has passed the First Year B. A./ B. Sc. examination in all subjects from that University, (b) he/she had offered at the First Year the same subjects as prescribed under Major category available under the scheme of this College, (c) he/she undertakes to successfully complete the compulsory courses prescribed by this College for Semesters-I & II, if he/she has not already done so in the previous University. Result of Semester IV examination shall be withheld if the candidate fails to fulfil this undertaking.
- C. A student migrating from any other recognized University may be considered for admission to Semester-V of the B. A. /B. Sc. Programs provided: (a) he/she has passed the Second Year B. A. /B. Sc. Examination in all subjects from that University, and (b) he/she had offered at the First and Second Year the same subjects as prescribed under Major category available under the scheme of this College, (c) he/she undertakes to successfully complete the compulsory courses prescribed by this College for Semesters-I, II, III and IV if he/she has not already done so in the previous University. Result of Semester VI examination shall be withheld if the candidate fails to fulfil this undertaking.
- D. Direct admission to Semester-IV and VI shall not be permitted.
- E. A student will be allowed to undertake a core course (CC) / core elective (CE) having a prerequisite only if he/she has attained at least the grade P in the specified prerequisite course/s.

AO-1.4: Maximum Duration of the programme

Duration for the completion of programme will be as per Goa University Ordinance OA-16.11

The total duration available for students to complete the programme shall be twice the actual duration prescribed for the programme effective from 4th June 2018.

AO-2: Class strength:

Maximum number of students in a class/division shall not exceed sixty and eighty in Arts and Science faculty respectively.

AO-3: Courses and Credits:

a) Each Course can carry different weightage in terms of number of Credits. Each Course should define learning objectives and outcomes.

b) A course may be designed so as to comprise any or combination of lectures/ tutorials/ laboratory work/ field work/ outreach activities/ project work/ vocational training/ seminars/ self-study.

c) A course should have a minimum of 2 credits

1. **Courses without practical component:** A course without practical component will be of two or four credits. Each credit will be of 15 instruction hours. The course carrying two credits will have two instruction hours per week and a course carrying four credits will have four instruction hours per week.

2. (i) **Courses with theory and practical components:** A theory-cum-practical course will be of four credits consisting of three credits for the theory component and one credit for the practical component. The theory component will have three instruction hours per week and the practical component will have a total of thirty instruction hours during the semester.

(ii) **Courses with theory and field-based component:** A field-based component should be introduced only for elective courses. A theory-cum-field based course will be of four credits consisting of three credits for the theory component and one credit for the field-based component. The theory component will have three instruction hours per week and the field-based component will have a total of thirty instruction hours during the semester.

3. **Skill Courses:** A skill course will be of two or four credits. Each credit will be of 15 instruction hours. Twenty-five percent of the skill course will consist of theory and seventy-five percent of the course will consist of practice. (Theory should support practice; practice should

not be confused with laboratory practical work. Practice requires repetitive performance of the work elements so to acquire dexterity or skill.)

4. Each credit of all courses will be evaluated for 25 marks.

5. Each credit of extra-curricular programme and internship will be of 30 hours. 6. The courses shall be offered to the students in the B.A. and the B.Sc. programmes as per the following Structure.

AO-3.1 Course Structure of the B.A. and B.Sc. Programmes

AO-3.1.1 Explanation

(A) Core Courses are compulsory courses in a specific subject.

(B) Elective Courses are subject-specific electives and generic electives.

Subject-Specific Elective is an elective in specific subject offered by the student.

Generic Elective is an elective course chosen generally from an unrelated discipline/subject.

P.S.: A course - a core or elective course - offered in a discipline/subject may be treated as a generic elective by a student of a different discipline/subject and vice versa.

(C) Foundation Course: Foundation courses are Ability and Skill Enhancement Courses.

Ability Enhancement Courses (Compulsory Foundation Courses consisting of 12 Credits) are courses in: (i) Language, (ii) Academic Writing, (iii) Research Writing, and (iv) Environmental Studies.

Skill Enhancement Courses (Elective Foundation Courses consisting of 8 Credits) are value-based and/or skill based courses and are aimed at providing hands-on-training, competencies, skills, etc. These courses may be chosen from a pool of courses designed to provide value-based and/or skill based knowledge.

Non-academic activities in a B.A. /B.Sc. programme comprise of two categories: Extra-curricular Activities and Internship.

AO-3.1.2 Course Structure

STRUCTURE		CREDITS	SUBJECT SPECIFIC COURSES	Major (Core) + Project	Minor	Elective (Major/ Generic)
Component A (100 Credits)	CHOICE 1: Single Major	32+4	8 Core Courses (Major) + Research Project	8 + 1		
		48	12 Elective Courses (Major)			12
		16	4 Generic Elective Courses			4
	CHOICE 2: Major - Minor	32+4	8 Core courses (Major) + Research Project	8 + 1		
		32	8 Elective Courses (Major)			8
		24	6 Core Courses (Minor)		6	
		8	2 Generic Elective Courses			2
	CHOICE 3: Double Major	32+4	8 Core Courses (Major-1) + Research Project	8 + 1		
		32	8 Core Courses (Major-2)	8		
		24	3 Elective Courses (Major-1) + 3 Elective Courses (Major-2)			6
		8	2 Generic Elective Courses			2
	STRUCTURE		CREDITS	FOUNDATION COURSES	Compulsory	
Component B (20 credits)	Foundation Courses	4	Language	1		
		2	Academic Writing (AW)	1		
		2	Research Writing (RW)	1		
		4	Environmental Studies (EVS)	1		
		8=(4+4 or 4+2+2 or 2+2+2+2)	Skill Enhancement Courses (SEC) of 2 or 4 credits (Internal Option Offered)			2 to 4
Component C (06 Credits)	Extra-curricular	6 or 3+3 or 2+4 or 2+2+2	Music / Dance Programme	One or A Combination of Programmes		
			Sports Programme			
			NCC Programme			
			NSS Programme			
			Life-skills Programmes			
			Student Exchange Programme			
			Outreach Programme			
Fine Art						
Component D (04 credits)	Internship	4	Internship (Minimum One Month / 120 Contact Hours)	1		

AO-3.2: Semester-wise Course Distribution of the B.A. Programme

Option I: Single Major

Semester	I	II	III	IV	V	VI
Component-A (Major) CC+EC	2CC	2CC	1CC	1CC	1CC	1CC
			3EC	3EC	3EC	3EC
					Research Project*	Research Project*
Component-A (Generic EC)	2GEC	2GEC				
Component-B	LANG		SEC	SEC		
	AW*	EVS	RW*			
Courses	5.5	5.0	5.5	5.0	4.5	4.5
Credits	22	20	22	20	18	18

(*2 Credit Courses)

Option II: Major-Minor

Semester	I	II	III	IV	V	VI
Component-A (Major) CC+EC	2CC	2CC	1CC	1CC	1CC	1CC
			2EC	2EC	2EC	2EC
					Research Project*	Research Project*
Component-A (Minor)	1CC	1CC	1CC	1CC	1CC	1CC
Component-A (Generic EC)	1GEC	1GEC				
Component-B	LANG		SEC	SEC		
	AW*	EVS	RW*			
Courses	5.5	5.0	5.5	5.0	4.5	4.5
Credits	22	20	22	20	18	18

(* 2 Credit Courses)

Option III: Double Major

Semester	I	II	III	IV	V	VI
Component-A (Major-1)	2CC	2CC	1CC	1CC	1CC	1CC
			1EC		1EC	1EC
					Research Project*	Research Project*
Component-A (Major-2)	2CC	2CC	1CC	1CC	1CC	1CC
				1EC	1EC	1EC
Component-A (Generic EC)			GEC	GEC		
Component-B	LANG		SEC	SEC		
	AW*	EVS	RW*			
Courses	5.5	5.0	5.5	5.0	4.5	4.5
Credits	22	20	22	20	18	18

(* 2 Credit Courses)

AO-3.3: Semester-wise Course Distribution of the B.Sc. Programme

Option I: Single Major

Semester	I	II	III	IV	V	VI
Component-A (Major) CC+EC	2CC	2CC	1CC	1CC	1CC	1CC
			3EC	3EC	3EC	3EC
					Research Project*	Research Project*
Component-A (Generic EC)	2GEC	2GEC				
Component-B		LANG	SEC	SEC		
		AW*		RW*		
	EVS					
Courses	5.0	5.5	5.0	5.5	4.5	4.5
Credits	20	22	20	22	18	18

(*2 Credit Courses)

Option II: Major-Minor

Semester	I	II	III	IV	V	VI
Component-A (Major) CC+EC	2CC	2CC	1CC	1CC	1CC	1CC
			2EC	2EC	2EC	2EC
					Research Project*	Research Project*
Component-A (Minor)	1CC	1CC	1CC	1CC	1CC	1CC
Component-A (Generic EC)	1GEC	1GEC				
Component-B		LANG	SEC	SEC		
	EVS	AW*		RW*		
Courses	5.0	5.5	5.0	5.5	4.5	4.5
Credits	20	22	20	22	18	18

(*2 Credit Courses)

Option III: Double Major

Semester	I	II	III	IV	V	VI
Component-A (Major-1)	2CC	2CC	1CC	1CC	1CC	1CC
			1EC		1EC	1EC
					Research Project*	Research Project*
Component-A (Major-2)	2CC	2CC	1CC	1CC	1CC	1CC
				1EC	1EC	1EC
Component-A (Generic EC)			GEC	GEC		
Component-B	EVS	LANG	SEC	SEC		
		AW*		RW*		
Courses	5.0	5.5	5.0	5.5	4.5	4.5
Credits	20	22	20	22	18	18

(*2 Credit Courses)

ABBREVIATIONS

CC	: Core Course
EC	: Elective Course
GEC	: Generic Elective Course
SEC	: Skill Enhancement Course
AW	: Academic Writing
RW	: Research Writing
LANG	: Language
EVS	: Environmental Studies

AO-3.4: This ordinance will not be applicable to students who have registered for First Year B.A. and B.Sc. Programme from Academic year 2019-20 onwards)

AO-3.5: Additional Courses

A student of B.A. /B.Sc. shall also be permitted to opt for additional courses so as to earn additional credits. In such cases the final grade shall be awarded by choosing the courses with the highest grades scored from the pool of completed Elective Courses so as to determine the credits for Elective Courses.

The final grade will be computed based on his/her performance in Core Courses of the Major/Minor subjects, the best performance in the Elective Courses of the Major subject/s, and the performance in the Foundation Courses.

Additional Elective Course and Other Courses not considered for computing the required credits shall be depicted in the final transcript/mark sheet as an extra course along with the credits and grade scored in the course.

AO-4: Scheme of Examination (B. A. and B. Sc.)

AO-4.1: Pattern of Assessment

Courses conducted in the B.A. and B.Sc. shall be assessed employing any one of the following options:

1. Continuous assessment only;
2. Continuous assessment and semester end examination; and
3. Continuous assessment, Mid-semester assessment and semester end examination.

The pattern of assessment can be based on alternative modes of evaluation. 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-4.1.1 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 3 mandatory assessments.

AO-4.1.2 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-4.1.3 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-4.2: 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-4.3: Retake examination and Submission of results:

- a) 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/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 fulfill class policies and attendance policy but have acquired Grade R/Ab.
- b) Marks scored by students in the examinations related to the courses offered by the Department during the semester should be submitted to 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.

- c) Any issues related to conduct of examination should be addressed to Controller of Examination.

AO-4.4: Scheme of evaluation for courses (Theory)

- 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.
- b) For a course with practical component, a student is required to score a minimum of 40% marks in theory and practical component separately to obtain a minimum Grade P for the theory and practical components of the course.
- c) In case the student has not obtained at least a Grade P in the theory component, marks scored by the student in the practical component of a course shall be carried forward if he/she has scored the minimum Grade P in that component.
- d) A student unable to obtain a minimum Grade P in core courses (CC) after the retake examination will have to repeat the core course credits as and when it is next offered.
- e) A student unable to obtain minimum Grade P in elective courses (CE) after the retake examination will have to repeat the course as and when it is next offered or choose any other elective (CE) offered by the respective department during the semester.
- f) A student unable to obtain the minimum Grade P in courses other than core and electives (CE) after the retake examination will be eligible for repeat exam as per the college/class policy.

AO-4.5: Scheme of evaluation for courses (Practical)

- a) No separate examination(s) in laboratory exercises shall be conducted for courses having practical(s) component. 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.

- b) 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.
- c) 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.
- d) Record of the marks obtained by the candidate shall be maintained by the respective department for Semesters I to VI, in a sealed envelope for a minimum period of 3 years.
- e) The practical assessment shall be treated as an independent head of passing.
- f) A candidate may be permitted, strictly on medical or other genuine grounds, to perform practical(s) missed, at the end the course.
- g) A student unable to obtain a minimum Grade P in a practical component will be provided with a comprehensive repeat assessment provided the student fulfils the Course/Department policies and attendance policy.

AO-4.6: General guidelines for Project Work

- (a) A student registered for the three years B.A. /B.Sc. Degree programme shall be required to carry out a project in the subject (Major) during the Semesters-V and Semester-VI, and submit the Project Report at the end of Semester-VI for evaluation.
- (b) During the Semesters-V and Semester-VI, candidates of B.A./B.Sc. 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.
- (c) Project work shall be assigned to a single student or to a group of 5 to 8 students. The teacher shall be assigned one or more such groups according to the requirement of the subject. Two contact hours per week shall be considered as teaching work load for a group of upto 8 students in Semesters-V and Semester-VI.

AO-4.7: Assessment of Project Work

The project work at the undergraduate level will be assessed by: i) Project Guide. ii) Departmental Faculty Council or the External Examiner. Each project will be assessed by the Internal Examiner (Project Guide) for 50% of marks and by the Department Faculty Council / External Examiner for the remaining 50% marks.

1. Constitution of Departmental Faculty Council / Appointment of External Examiner.
 - a. Constitution of Departmental Faculty Council: The Departmental Faculty Council should consist of not more than three Faculty members from the department. These members are to be nominated by the Head of the Department and communicated thereby to the Controller of Examination well in advance.
 - b. In case of the external faculty, the Head of Department should submit the names of the prospective external examiner to the office of Controller of Examination by the end of January.
2. The grade point of the project course shall be based on the total marks scored from internal and external assessments. A student shall earn 4 credits for the project course on obtaining a minimum Grade P.

AO-4.8: Procedure for preparing Results

- i. Marks, Grades and Grade Points:

Absolute grading method shall be adopted for awarding grades in a course. Under the absolute grading, the marks are converted to grades based on pre-determined class intervals. To implement the grading method, a 10-point grading system shall be used.

- ii. The following table gives the conversion of percentage, grade points and letter grades to indicate the performance of the candidate in each course at the undergraduate level.

Range of percentage scored	Grade Points	Letter Grade	Grade Description
85 - 100	10	O	Outstanding
75 - < 85	9	A+	Excellent
65 - < 75	8	A	Very Good
55 - < 65	7	B+	Good
50 - < 55	6	B	Above Average
45 - < 50	5	C	Average
40 - < 45	4	P	Pass
0 - < 40	0	R	Reappear
Absent	0	Ab	Absent

- iii. A student obtaining Grade R/Ab in a course shall be required to reappear for the examination in that course.
- iv. For non evaluative courses (Component C and D of the structure) the letter grade shall be indicated on the grade card and this will not be counted for the computation of CGPA.
- v. Computation of SGPA and CGPA:
The following procedure shall be used to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

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

The SGPA is the ratio of 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,

$$\text{SGPA}(S_i) = \frac{\text{Sum of the product of the number of credits with the grade points scored in a semester}}{\text{Total number of credits in that semester}}$$

$$\text{SGPA}(S_i) = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

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..

The SGPA is rounded up to two decimal places.

Illustration of Computation of SGPA :

Course	Credit	Grade letter	Grade Point	Credit Point =(Credit x Grade Point)
Course 1	4	A	8	4 x 8 = 32
Course 2	4	B+	7	4 x 7 =28
Course 3	4	B	6	4 x 6 =24
Course 4	4	A+	9	4 x 9 = 36

Course 5	4	B	6	4 x 6 = 24
	20			144

Thus, $SGPA = 144/20 = 7.2$

The CGPA is also calculated in the same manner, taking into account all the courses undergone by a student over all the semesters of a programme,

$CGPA = \frac{\text{Sum of the product of the total number of credits in a semester with its grade point average}}{\text{Total number of credits in the entire programme}}$

$$CGPA = \frac{\sum(C_j \times S_j)}{\sum C_j}$$

where S_j is the SGPA of the j^{th} semester and C_j is the total number of credits in that semester.

$j = 1, 2, 3, \dots, m$, represent the number of Semesters of an entire programme for which the CGPA is to be calculated.

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

The CGPA is rounded up to two decimal places

Illustration of Computation of CGPA

Semester	Credit	SGPA	Credit x SGPA
Semester I	20	7.2	20 X 7.2 = 144
Semester II	20	6.8	20 X 6.8 = 136
Semester III	20	7.4	20 X 7.4 = 148
Semester IV	20	6.6	20 X 6.6 = 132
Semester V	20	7.0	20 X 7.0 = 140

Semester VI	20	6.4	20 X 6.4 = 128
	120		828

Thus, CGPA=828/120=6.9 (Grade: B+)

vi. The Undergraduate Degree shall be awarded according to the following classification:

CGPA	Grade	Classification of Final Result
9.0-10	O	Outstanding
8.0-8.99	A+	Excellent
7.0-7.99	A	Very Good
6.0-6.99	B+	Good
5.5-5.99	B	Above average
4.5-5.49	C	Average
4.0-4.49	P	Pass

AO-4.11: Format of Statement of Marks

The semester-wise SGPA secured by the candidate in Semester-I to Semester-VI examinations shall be indicated in the final statement of marks issued to the candidate after the Semester-VI examination for the B.A. /B.Sc. degree programme. In case the student passes any Semester or part thereof in the second appearance, it shall be so indicated in the statement of marks of Semester I to Semester-VI.

AO-4.12: Guidelines for Exemption

- i. A candidate who obtains a minimum Grade P in a course(s) shall be exempted from reappearing in that course(s).

- ii. He/She shall be declared to have passed the full examinations on his/her obtaining a minimum Grade P in all the courses.

AO-4.13: Constitution and working of College Examination Committee (CEC)

(A) The CEC shall be constituted by the Principal of the college for the terms of 3 years and shall work subject to control and supervision of the Principal.

1. The College Examination Cell (CEC) shall be constituted with the following members.
2. A senior teacher of the College as the Controller of Examination and three/four more regular teachers of the College (in addition to the Chairman) as members.
3. There will be no remission in work-load but adequate remuneration shall be paid to the members.

(B) Functions of College Examination Cell:

1. This CEC shall be generally in-charge of all matters pertaining to F.Y., S.Y. and T.Y. examinations in the College.
2. The CEC shall prepare the examination time-table, arrange to get the question paper sets printed or duplicated and answer books assessed.
3. The CEC shall arrange to get the results prepared, announced, individual statement of marks prepared and issued to the candidates.

AO-4.14: Constitution and working of College Unfair Means Inquiry Committee (CUMIC)

(A) The CUMIC shall be constituted by the Principal of the college for a term of 3 years and shall work subject to control and supervision of the Principal.

1. The College Unfair Means Inquiry Committee (CUMIC) shall be constituted with the following members:

The Vice-Principal or a senior teacher of the College as Chairman and two other regular teachers of the College as members, who are also members of the College Examination Committee.

2. This committee shall investigate into cases of unfair means and malpractices reported in a manner prescribed by the college and shall recommend a course of action to the Principal.

(B) Procedure for investigating cases of unfair means:

The following procedure shall be followed for investigating the cases of candidates alleged to have used unfair means at the First Year and/or Second Year and/or Third Year B.A. and B.Sc., examinations.

1. The candidates will be served a show cause notice by the College and made aware of the charges/allegations reported against him/her so as to enable him/her to prepare his defence at the time of this appearance before the Unfair Means Inquiry Committee. The candidate will be informed of the proposed action to be taken in his/her case, with a request to reply to the show cause notice as to why the action proposed under it should not be taken against him/her.
2. The reply received by the Committee from the candidate when he/her appears before it will be considered by the Committee and the final recommendation in the matter be taken and reported to the Principal for approval.
3. The punishment finally awarded can be equal to or less than what is mentioned in the show cause notice, but not more than what is mentioned therein.
4. The College Unfair Means Inquiry Committee is a recommendatory body. The Principal has to exercise his/her power under Statute SB-13(iv) of the Goa University and issue final order.
5. The broad category of malpractice and the quantum of punishment for each category thereof shall be as given in general Ordinance on malpractices i.e. OA-5.14.19 of Goa University. Besides these guidelines, each case will be examined in detail and punishment awarded on the merit of each case.

AO-4.15: Constitution and working of College Grievance Committee (CGC)

(A) The CGC shall be constituted by the Principal of the college for a term of 3 years and shall work subject to the control and supervision of the Principal.

1. The College Grievance Committee shall be constituted with the following members:
The Vice-Principal or a senior teacher of the College as Chairman, provided that the person is not the Chairman of CUMIC, and two other regular teachers as members, preferably not members of CUMIC and CEC.

2. In case the grievance concerns any member of the committee, the Principal shall reconstitute the committee, excluding the concerned member.
3. This committee shall investigate written complaints from the students referred to them by the Principal in the conduct of examinations and recommend a course of action to the Principal.

(B) Procedure for Investigation of Grievance by the College Grievance Committee:

1. The committee shall consider the written complaint by a student on the conduct of examination provided that (i) the complaint is submitted by the student within 15 days after the declaration of results; (ii) the complaint is accompanied with a fee of Rs.200/- (refundable if the complaint is found genuine); and (iii) the matter is referred to the committee by the Principal. The committee shall invite a reply to the allegations (if any are made by the student) from the concerned party.
2. After considering the reply of the concerned party, the committee shall recommend a course of action in writing to the Principal.
3. The Principal may inform the student about the findings of the committee and shall take appropriate action including reassessment of the said answer book. However, if the marks are reduced after revaluation of the said answer book the original marks shall be retained and the student will be informed that there is no change in his/her results.

A fine, ranging from a minimum of Rs.200/- to a maximum of Rs.500/- shall be imposed on the student complainant, if the said allegation(s) is (are) found to be a deliberate attempt at casting aspersions on the teacher(s) concerned. If the allegations are found to be genuine and the same is recorded with appropriate reasons, action shall be taken as provided under OA-5.2.6 of Goa University.

AO 4.16 Award of entitlement credit points for National/International level participation in N.C.C. /N.S.S. /Sports /Cultural events to be used under the choice Based Credit System (CBCS) for B.A./ B.Sc./B.Voc. Programmes.

AO 4.16.1 Scheme for Award of Entitlement Credit Points:

A student shall be eligible for the credit points only once after her/his participation in a national/international N.C.C./N.S.S./Sports/Cultural event during her/his academic programme term and the credit points so allotted shall be added to her/his cumulative credit points used for the calculation of her/his C.G.P.A.

A. Credit points will be allotted as per the following :

Category	Credit points
Participation in an International N.C.C./N.S.S./Sports/Cultural event	12
Participation in a National N.C.C./N.S.S./Sports/Cultural event	06

AO-5: Ordinance pertaining to Post Graduate Degree Programme is available on college website.

AO-6: Ordinance pertaining to the Degree in Bachelor of Vocation (B.Voc) is available on college website.

AO-7: Adoption of Open Online Courses

AO-7.1: The College may adopt, under the various categories of elective courses, some open online courses listed by the UGC under its Massive Open Online Courses (MOOCs) programme and offered on the SWAYAM (Study Web of Active Learning by Young and Aspiring Minds) learning platform, edX, etc.

AO-7.2: Objectives of adopting the open online courses:

- i. To enrich its existing curriculum
- ii. To provide an opportunity to students to acquire expertise that is presently not offered by the academic departments of the College.
- iii. To make students self-learners.

AO-7.3: Boards of Studies in different subjects may identify the open online course offered under the SWAYAM platform for adoption by the Department as an additional option to

existing electives. The rigour of the online courses shall be equivalent to the regular courses. There will be a faculty-in-charge for the course.

AO-7.4: The adopted open online courses will be learnt through the online mode offered by the course providers. Periodic contact sessions consisting of 2 hours per credit shall be conducted by the department offering the course.

AO-7.5: The open online courses so adopted shall be evaluated as per the undergraduate evaluation policy and ordinances of the College.

AO-8 :Participation of a Student of Chowgule College in Study Programmes of Institutions and Universities Overseas/ within India and the Transfer of Credits Earned

1. A student is permitted to join any study programme of another reputed institution / university overseas /within India with whom Parvatibai Chowgule College has a Memorandum of Understanding.
2. A student can join a study programme only after successfully completing the first two semesters at Parvatibai Chowgule College. A student must compulsorily complete Semester VI in this college.
3. The minimum period of such a study programme will be one semester and a maximum of two semesters.
4. Maximum credits that can be earned by the student should not exceed 1/3rd of the total academic credits of the programme offered at Parvatibai Chowgule College. Credits earned beyond 1/3rd of the total academic credits by the student will be considered as extra credits.
5. On completing the study programme at the overseas institution, the student will submit the transcripts of the courses studied/completed at the overseas institution/university to the respective academic department so as to integrate the courses with their accompanying grades and credits into the regular study programme of the student at Chowgule College.

AO-9: Ordinance related to Postgraduate Diploma Programmes is available on college website.

A. BACHELOR OF ARTS – B.A

ENGLISH

SEMESTER	CORE COURSES		ELECTIVE COURSES				OPTIONAL
I	ENG-I.C-1 Understand- ing Poetry & Drama	ENG-I.C-2 History of English Literature from Fifth Century to the Eighteenth Century	----	----	----	----	FC-ENG-I Effective Communicat ion (Arts Stream)
II	ENG-II.C-3 Understand ing Fiction	ENG-II.C-4 An Introduction to Linguistics & Stylistics	----	----	----	----	FC-ENG-I Effective Communicat io (Science Stream)
III	ENG-II.C-5 Contempor ary Indian English Literature	----	ENG- E-2 American Literature	ENG-E-4 New Literatures in English	ENG-E-12 Women’s Writing in India		ENG-SEC-1 Writing for the Media I
							ENG-SEC-2 Creative Writing I
IV	ENG-IV.C- 6 Literary Criticism	----	ENG-E-5 The Literature of the Indian Diaspora	ENG-E-7 Visual Literature	ENG-E-16 World Literature		ENG-SEC-3 Writing for the Media II
							ENG-SEC-4 Creative Writing II
V	ENG-V.C-7 Nineteenth Century English Literature	-----	ENG-E-1 Goan Literature & Culture	ENG-E-9 Shakespeare Today	ENG-E-17 Modern Indian Literature in Translation	ENG-E-11 Film Studies	PROJECT
VI	ENG-VI. C-8 Twentieth Century English Literature	ENG-E-13 ELLT (English Language and Literature Teaching)	ENG-E-14 Latin American Literature	ENG-E-15 Contemporary Literary Theory	ENG-E-8 Representati on of Gender & Sexuality in Literature		PROJECT

FRENCH

SEMESTER	CORE COURSES		ELECTIVE COURSES		
I	FRE-I.C-1 Language in Context: Developing Reading and Writing Skills Level 1 Part 1	FRE-I.C-2 Language in Context: Developing Listening and Speaking Skills Level 1 Part 1			
II	FRE-II.C-3 Language in Context: Developing Reading and Writing Skills Level 1 Part 2	FRE-II.C-4 Language in Context: Developing Listening and Speaking Skills Level 1 Part 2			
III	FRE-III.C-5 Language in Context: Developing Reading and Writing Skills Level 2 Part 1		FRE-E-1 Language in Context: Developing Listening and Speaking Skills Level 2 Part 1	FRE-E-2 French for Tourism and Hospitality Part 1	FRE-E-3 Study of Selected Elementary Text in French
IV	FRE-IV.C-6 Language in Context: Developing Reading and Writing Skills Level 2 Part 2		FRE-E-5 Language in Context: Developing Listening and Speaking Skills	FRE-E-6 French for Tourism and Hospitality Part 2	FRE-E-7 Introduction to Francophony
V	FRE-V.C-7 Language in Context: Developing Reading and Writing Skills Level 3 Part 1		FRE-E-9 Initiation to Translation	FRE-E-10 Overview of 17 th Century French Literature	FRE-E-11 Overview of 18 th Century French Literature
VI	FRE-VI.C-8 Language in Context: Developing Reading and Writing Skills Level 3 Part 2		FRE-E-13 Overview of 19 th Century French Literature	FRE-E-14 Business Communication in French	FRE-E-15 Study of Collection of French Short Stories

SEMESTER	COURSE CODE	OPTIONAL COURSES
I	FC-FRE-I	French for beginners – LEVEL 1
II	FC-FRE-II	French for beginners – LEVEL 2

HINDI

SEM ESTE R	CORE COURSES		ELECTIVE COURSES				SKILL ENHANCE MENT COURSES	FOUNDA TION COURSE
I	HIN-I.C-1 हिन्दी कहानी एवं शब्द साधन (Hindi kahanievamShabda Sadhan)	HIN-I.C-2 हिन्दी कविता एवं काव्यसौंदर्य (Hindi Kavita EvamkavyaSoundarya)	-	-	-	-	-	FC-HIN.1 भाषाकौशल (BhashaKoushal)
II	HIN-II.C-3 हिन्दी नाटक: वृत्तचित्र एवं फीचर फिल्म (Hindi Natak: Vrutchitraevam Feature film)	HIN-II.C-4 हास्य-व्यंग्य निबंध एवं पत्रकारिता (Haasya – VyangyaNibandh Evam Patrakarita)	-	-	-	-	-	FC-HIN.2 व्यावहारिक हिन्दी (Vyavaharik Hindi)
III	HIN-III C-5 हिन्दी साहित्य का इतिहास (आदिकाल, भक्तिकाल एवं रीतिकाल) (Hindi Sahityakaltihasaadkaal, Bhaktikaal EvamRitikaal)	-	HIN-III E-1 प्रयोजनमूलक हिन्दी: अनुवाद एवं पत्रलेखन (Prayojanmullak Hindi : Anuvaadam Patralekhan)	HIN-III E-2 मध्यकालीन काव्यचयनितकविताएँ (MadhykalinKaavyaChaynitKavitayain)	HIN-III E-3 हिन्दी महिला लेखन (Hindi MahilaLekhan)	HIN-III E-4 हिन्दी दलित लेखन (Hindi Dalitlekhan)	HIN-III.SEC-1 हिन्दी पथनाट्य (नुक़्कड़नाटक) (Hindi Pathanaatya (NukkadNatak))	-

IV	HIN-IV.C-6 हिन्दीसाहित्य काइतिहास(आ धुनिककाल) Hindi Sahityakaitihas (AadhunikKaal)	-	HIN-IV.E-5 हिन्दीपत्रका रिता : मुद्रितएवंइले क्ट्रोनिक (Hindi Patrakarita: Mudritevam electronic)	HIN-IV.E-6 विशेषअध्यय न : सूर्यकांतत्रि पाठीनिराला (visheshAdh yayansuryk antTripathi Nirala)	HIN-IV.E-7 विशेषअ ध्ययन : हिन्दीकहा नी (VisheshA dhyayan: Hindi Kahani)	HIN-IV.E-8 हिन्दीसाहित्य काआस्वादनए वंसमीक्षा, कविता, कहानीएवंउप न्यास (Hindi SahityaKaAas vadanevamS amiksha, Kavita, KahaniEvam Upanyas	HIN-IV.SEC-2 हिन्दीएकां की(Hindi Ekanki)	-
V	HIN-V.C-7 भारतीयकाव्य शास्त्र (BhartiyaKaavy shastra)	-	HIN-V. E-9 कथेत्तरगद्यसा हित्य : रेखाचित्रसं स्मरण, यात्रावृतांत, आत्मकथाएवं जीवनी (किसीविधा कीएकपाठ्य पुस्तक) Kathetargad yasahitya: sansmaran, yatravrutaan t, Aatmkathae vamjivni	HIN-V.E-10 विशेषअध्यय न:हिन्दीउप न्यास (Vishesh Adhyayan Hindi Upanyas)	HIN-V.E-11 मीडियाले खन : रेडियोएवं टेलीविजन (Media Lekhan Radio Evam Television)	HIN-V.E-12 हिंदीनाटक (Hindi Natak)	-	-
VI	HIN-VI.C-8 पाश्चात्यकाव्य	-	HIN-VI.E-13 हिंदीनिबंध	HIN-VI.E-14 भाषाविज्ञान	HIN-VI.E-15	HIN-VI.E-16 साहित्यकाअं	-	-

	शास्त्र (PaashchatyaK aavyshastra)		(Hindi Nibandh)	(Bhashavigy an)	हिंदीभाषा , लिपि एवं व्याकरण (Hindi BhashaLip ievamVya karan)	तरानुशासना त्मकअध्ययन (SahityakaAnt aranushasna tmakAdhaya yn)		
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KONKANI

SEME STER	CORE COURSES		ELECTIVE COURSES			
I	KON-I.C-1 कोंकणी भास आनी साहित्याचो इतिहास – एक वळख (आरंभा साकून 1858वर्स मेरेनचो काळ) (Outline History of Konkani Language and Literature) (From beginning till 1858)	KON-I.C-2 शणै गोंयबाबांचें कोंकणी अस्मिताये खातीर योगदान (Contribution of ShenvoyGoemba b towards Konkani Identity)	-----	-----	-----	-----
II	KON-II.C-3 कोंकणी भाशीक चळवळीचो इतिहास- एक वळख (1858 वर्स ते 1992वर्स मेरेनचो काळ) (Outline History of Konkani Language Movement) (Period from 1858 till 1992)	KON-II.C-4 कोंकणी बोलींचो अभ्यास (Study of Konkani Dialects)	-----	-----	-----	-----
III	KON-III.C-5 कोंकणी भाशेचो व्याकरणिक आनी भाशाशास्त्रीय अभ्यास (Grammatical And Linguistic Study of Konkani)	-----	KON-III.E-1 कोंकणी कवितेचो खाशेलो अभ्यास (Special Study of Konkani Poetry)	KON-III.E-2 कोंकणी कथेचो खाशेलो अभ्यास (Special Study of Konkani Short Story)	KON-III.E-3 कोंकणीकादंबरेचो खाशेलोअभ्यास (Special Study of Konkani Novel)	KON-III.E-4 कोंकणीसाहित्याचें आस्वादन (कथा , कविताआनीकादंबरी) (भाग(1)) (Appreciation of Konkani Writings) (Part-1)
IV	KON-IV.C-6 कोंकणी लोकवेदाचो अभ्यास (Study of Konkani Folklore)		KON-IV.E-5 कोंकणीनाटक – एकखाशेलोअभ्यास (Special Study of Konkani Drama)	KON-IV.E-6 कोंकणीतियात्राचोअभ्यास (Special Study of Konkani Tiatr)	KON-IV.E-7 कोंकणी निबंदाचोखाशेलोअभ्यास (Study of KonkaniEssays)	KON-IV.E-8 कोंकणीसाहित्याचें आस्वादन भाग-2(निबंद , नाटक ,तियात्र) (Appreciation of Selected Konkani Writings) (Part-2)

V	KON-V.C-7 गोंय मुक्ती उपरांतचींकोंकणी साहित्यांतलीं स्थित्यंतरां)कोंकणी कविता ,कथा आनी नाटकाचीं स्थित्यंतरां)(Impor tant Trends in Post Liberation Konkani Literature)	----	KON-V.E-9 चित्रपट आनी नाटक आस्वादन (Film and Drama Appreciation)	KON-V.E-10 वेंचीककोंकणीकादंब रेचोभोवआयामीअ भ्यास (Multifaceted Study of Selected KonkaniNovel)	KON-V.E-11 कर्नाटकआनीकेर ळराज्यांतल्याकों कणीसाहित्याची वळख (Introduction of Konkani Literature from Karnataka and Kerala)	KON-V.E-12 कोंकणीच्या भोवआयामी वावरांतवेंचीक व्यक्तीमत्वांचो अभ्यास (Special Study of Multifaceted Konkani Personalities)
VI	KON-VI.C-8 भारतीय आनी पाश्चात्य काव्यशास्त्राची वळख (Introduction to the Study of Indian and Western Poetics)	-----	KON-VI.E-13 कोंकणीअध्याप नाचीपद्दत (KonkaniTeachi ng Methodology)	KON-VI.E-14 अर्विल्ल्या प्रसारमाध्यमांचो अभ्यास (Study of Modern Medias)	KON-VI.E-15 कोंकणी लिप्यंतरीतसाहि त्याचो अभ्यास (कन्नडआनीरोमी लिपींतल्या) Study of Transliterated Konkani Literature (From Kannada and Romi Script)	KON-VI.E-16 अनुवादअभ्यास (Translation Study)

SEMESTER	FOUNDATION COURSE
I	FC-KON-I कोंकणीभाशेचींमौखीकआनीलेखनकौशल्यां (Spoken and Written Skills of Konkani Language) (Arts Stream)
II	FC-KON-II कोंकणीभाशेचींमौखीकआनीलेखनकौशल्यां (Spoken and Written Skills of Konkani Language) (Science Stream)

SEMESTER	GENERIC ELECTIVE COURSE
I	KON-V.E-9 चित्रपटआनीनाटकआस्वादन (Film and Drama Appreciation)
II	KON-VI.E-16 अनुवादअभ्यास (Translation Study)

SEMESTER	SKILL ENHANCEMENT COURSE
III	KON-SEC-1 कोंकणीपथनाट्याचोअभ्यास (Study of Konkani Street Plays) <i>(Arts Stream & Science Stream)</i>
IV	KON-SEC-2 कोंकणीएकांकीचोअभ्यास (Study of Konkani One Act Plays) <i>(Arts Stream & Science Stream)</i>

MARATHI

SEMESTER	CORE COURSES		ELECTIVE COURSES				SKILL ENHANCEMENT COURSES	FOUNDATION COURSE
I	MAR-C-1 मराठीकथा: स्वरूपआणि उपयोजन (1945 ते2000)	MAR-C-2 आधुनिक मराठी कविता : स्वरूप व उपयोजन(आरं भ ते 2000)	4					FC-MAR -I मराठी वाचन लेखन आणि संभाषण कौशल्ये
II	MAR- C-3 मराठी कादंबरी : स्वरूप व उपयोजन(1945 - 2000)	MAR-C-4 मराठी नाटक : स्वरूप व उपयोजन(1945 -2000)						FC-MAR -II मराठी वाचन लेखन आणि संभाषण कौशल्ये
III	MAR- C-5 काव्यशास्त्र (भारतीय व पाश्चात्य)		MAR- E-1 प्राचीन मराठी वाङ्मय : (प्रारंभ ते 1650)	MAR- E-2 मराठी ललित गद्य : स्वरूप आणि उपयोजन	MAR- E-3 साहित्याभिरू चीचे स्वरूप	MAR- E-4 गोमंतकीय मराठी साहित्य समीक्षा आणि संशोधन (कविता, कथा, कादंबरी, बालसाहित्य)	MAR-SEC- 1कार्यक्रम संयोजन (इवेंट मॅनेजमेंट) व संचालन (ॲन्करिंग) कौशल्य	
IV	MAR- C-6 रसविचार आणि समीक्षाविचार		MAR- E-5 प्राचीन मराठी वाङ्मय : (1651 ते 1818)	MAR- E-6 प्रवासवर्णन : एक वाङ्मयप्रकार	MAR-E- 17मराठी विज्ञान साहित्य : स्वरूप वउपयोजन	MAR- E-8 गोमंतक आणि कोकण प्रदेशातील लोककला	MAR-SEC- 2माहितीपट (डॉक्युमेंटरी) : लेखन कौशल्य आणि उपयोजन	
V	MAR- C-7 व्याकरण		MAR- E-9 मराठी वाङ्मयाचेसां स्कृतिक स्वरूप	MAR- E-10 आत्मचरित्र : साहित्यप्रकार आणि उपयोजन	MAR- E-11 पत्रकारिता : स्वरूप आणि कौशल्ये	MAR- E-12 भाषिक कौशल्ये आणि व्यक्तिमत्व विकास		
VI	MAR- C- 8 भाषाविज्ञान		MAR- E-13 मुक्तिपूर्वगोमं तकीय मराठी वाङ्मय	MAR- E-14 मराठी प्रादेशिक कादंबरी : स्वरूप आणि उपयोजन	MAR- E-15 भाषांतरविद्या	MAR-E- 18साहित्याचे माध्यमांतर		

ECONOMICS

SEMESTER	CORE COURSES		ELECTIVE COURSES				SEC
I	ECO-I.C-1 Principles of Economics	ECO-I.C-2 Mathematical Techniques for Economic Analysis					
II	ECO-II.C-3 Economics of Growth and Development	ECO-II.C-4 Empirical Techniques for Economic Analysis					
III	ECO-III.C-5 Micro-economics		ECO-E-1 Economics and Law	ECO-E-2 Regional Economics	ECO-E-3 Behavioral Economics	ECO-E-4 Environmental Economics	ECO-SEC-1 Entrepreneurship
IV	ECO-IV.C-6 Macro-economics		ECO-E-5 Research Methodology	ECO-E-6 Emerging Market Economies	ECO-E-7 Introduction to Industrial Economics	ECO-E-8 Introduction to Money and Banking	ECO-SEC-2 Accounting for Non-accountants
V	ECO-V.C-7 Public Economics	ECO-V/VI.C-9 Project	ECO-E-9 Introduction to Econometrics	ECO-E-10 Indian Economy	ECO-E-11 Actuarial Economics	ECO-E-12 Micro-economic Analysis	
VI	ECO-VI.C-8 International Trade and Policy	ECO-V/VI.C-9 Project	ECO-E-130 Introduction to Operations Research for Economists	ECO-E-14 Economics of Foreign Exchange	ECO-E-15 Financial Economics	ECO-E-16 Macroeconomic Analysis	

SEMESTER	GENERIC ELECTIVE COURSES		
I,II,III,IV	ECO-GEC-1 Taxation for All	ECO-GEC-2 Financial Investments for All	ECO-GEC-3 Gandhian Economic Thought

GEOGRAPHY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	GEG-I.C1: Introduction to Geography	GEG-I.C2: Fundamentals of Physical Geography				
II	GEG-II.C3: Basics of Human Geography	GEG-II.C4: Basics of Regional Geography				
III	GEG-III.C5: Cartography		GEG- E1: Basic Quantitative Techniques in Geography	GEG- E2: Field Survey in Physical Geography	GEG- E3: Participatory Rapid Appraisal Techniques in Human Geography	GEG- E4: Application of Computer in Geography
IV	GEG-IV.C6: Basics of Geomorphology		GEG- E5: Basics of Climatology	GEG- E6: Basics of Oceanography	GEG- E7: Basics of Watershed Management	GEG- E8: Regional Geography of USA
V	GEG-V.C7: Basics of RS and GIS		GEG- E9: Geography of Tourism	GEG- E10: Geography of Urban Settlements	GEG- E11: Geography of Rural Settlements	GEG- E12: Oceans : Issues and Challenges
VI	GEG-VI.C8: Geography of Population Growth		GEG- E13: Introduction to Regional Planning	GEG- E14: Fundamentals of Economic Geography	GEG- E15: Regional Geography of India	GEG- E16: Geography of Climate Change

HISTORY

SEMESTER	CORE COURSES		ELECTIVE COURSES				Generic Elective Course
I	HIS- I.C-1 History of Goa from Earliest Times to 1961	HIS- I.C-2 History of India from Earliest Times to 3 rd Century CE	-	-	-	-	Culture and Heritage of Goa
II	HIS II.C-3 History of Goa from 1961 to the Present	HIS II.C-4 History of India from 4 th Century to 1206 CE	-	-	-	-	
III	HIS III.C-5 History of Medieval India from 1206 to 1526	-	HIS.E-1 History of South India From Earliest Times to C. 1250	HIS.E-2 World Civilisations: Egypt, Mesopotamia, Greece and Rome (Earliest Times to 500 AD)	HIS.E-3 Introduction to Archaeology	HIS.E-4 Socio-Economic History of Europe (c.800 A.D.- 1700)	
IV	HIS IV.C-6 History of Medieval India from 1526 to 1707	-	HIS.E-5 Culture and Heritage of Goa	HIS.E-6 History of the Marathas	HIS.E-7 Indian Archaeology	HIS.E-8 Western Civilisation (Renaissance to French Revolution)	
V	HIS V.C-7 History of India from 1757 to 1857	-	HIS.E-9 History of Modern China and Japan (1894-2000)	HIS.E-10 World Revolutions	HIS.E-11 Introduction to Constitution of India	HIS.E-12 Introduction to Historical Method and Indian Historiography	
VI	HIS VI.C-8 Indian National Movement from 1857 to 1947	-	HIS.E-13 History of USA (1861 – 2000)	HIS.E-14 India After Independence (1947 – 2000)	HIS.E-15 Introduction to History of West Asia (1900-2000)	HIS.E-16 History of Modern Europe (1800 – 2000)	

PHILOSOPHY

SEMESTER	CORE COURSES		ELECTIVE COURSES				SEC	GEC
I	PHI-I.C-1 Moral Philosophy	PHI-I.C-2 Logic	-	-	-	-		PHI.INT-01 Current Ethical Issues
II	PHI-II.C-3 Philosophy of Religion	PHI-II.C-4 Practical Ethics	-	-	-	-		PHI-IV.E-7 Philosophy of Human Rights
III	PHI-III.C-5 Classical Indian Philosophy	-	PHI-III.E1 Study of World Religions	PHI-III.E-2 Philosophy of Mind	PHI-III.E-3 Symbolic Logic	PHI-III.E-4 Value Education	PHI.INT-02 Philosophy and Films	PHI-IV.E-8 Eco-Philosophy
IV	PHI-IV.C-6 Orthodox Indian Philosophy	-	PHI-IV.E-6 Political Philosophy	PHI-IV.E-7 Philosophy of Human Rights	PHI-VI.E-14 Vedanta Philosophy	PHI-V.E-9 Philosophy of Science	PHI-SEC-21 Practical Logic	PHI.INT-03 Philosophy of Existentialism in literature and Film
V	PHI-V.C-7 Ancient Greek & Medieval Philosophy	-	PHI-V.E-11 Philosophy of Education	PHI-V.E-12 Philosophy of Management	PHI-VI.E-13 Contemporary Western Philosophy	PHI-V.E-10 Contemporary Indian Philosophy		PHI-III.E-4 Value Education
VI	PHI-VI.C-8 Modern Western Philosophy	-	PHI-VI.E-15 Philosophy of Law	PHI-VI.E-16 Applied Philosophy (Yoga & Art of Living)	PHI-VI.E-17 Introduction to Feminist Philosophy	PHI-IV.E-5 Problems of Philosophy		

PSYCHOLOGY

SEME STER	CORE COURSES		ELECTIVE COURSES				SKILL ENHANCEMENT COURSES
I	PSY- C-9 Basic Course in Psychology I (Practical Component)	PSY-C-10 Social Psychology					
II	PSY- C-11 Basic Course in Psychology II (Practical Component)	PSY-II.C-3 Personality Theories					
III	PSY-V.C-7 Experimental Psychology (Practical Component)		PSY- III.E-2 Child Psychology	PSY- III.E-4 Sports Psychology	PSY-III. E-3 Interpersonal Relationships	PSY- III.E-17 Biological Basis of Behaviour	PSY-SEC-1 Self-Regulation
IV	PSY-VI.C-8 Psychological Testing (Practical Component)		PSY- IV.E-7 Psychology of Adolescence	PSY- IV.E-6 Criminal Psychology	PSY- IV.E-5 Psychology of Adjustment	PSY- IV.E-9 Cognitive Psychology	PSY-SEC-2 Basic Counselling Skills
V	PSY-III.C-5 Psychopatholo gy I (Practical Component)	PSY-V.CP Project Paper	PSY- V.E-12 Psychology of Adulthood	PSY- IV.E-8 Positive Psychology	PSY- V.E-11 Environmental Psychology	PSY-V.E-15 Neuropsycho logy I	
VI	PSY-IV.C-6 Psychopatholo gy II (Practical Component)	PSY-VI.CP Project Paper	PSY-VI. E-13 Gerontology	PSY- VI.E- 14 Organizatio nal Behaviour	PSY- VI.E-16 Cross Cultural Psychology	PSY- VI.E-18 Neuropsycho logy II	

SOCIOLOGY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	SOC-I.C-1 Introducing Sociology	SOC-I.C-2 Social Change and Process	-	-	-	-
II	SOC-II.C-3 Social Movements in India	SOC-II.C-4 Sociology of Religion	-	-	-	-
III	SOC-III.C-5 Social Institution in India	-	SOC- E-1 Understanding Goa's culture	SOC- E-2 Introduction to Qualitative Research Methods	SOC- E-3 Introduction to NGO Management-1	SOC- E-4 Globalization and New Media (Digital Story Telling)
IV	SOC-IV.C-6 Sociology of Education	-	SOC- E-5 Teaching sociology: Theory and Practice	SOC- E-6 Contemporary Goan Society: Issues and Concerns	SOC- E-7 An Introduction to Sociology in India	SOC- E-8 Family, Marriage and Kinship in India
V	SOC-V.C-7 Classical Sociology	-	SOC- E-9 Rural sociology	SOC- E-10 Social concerns in Contemporary India-1	SOC- E-11 Women and Society in India	SOC-E-12 Introduction to Social Work
VI	SOC-VI.C-8 Introduction of Schools of Sociological Theory	-	SOC- E-13 Urban sociology	SOC- E-14 Social Concerns in Contemporary India-2	SOC- E-15 Contemporary Issues of Women in India	SOC- E-16 Migration and Society in Goa

Skill Enhancement Course

SOC-SEC – Teaching Learning: Theory and Practice

Foundation Course

FC-CBPR-I -Fostering Social Responsibility and Community Engagement in Higher Education of India

MATHEMATICS

Course Structure for Mathematics Major

SEMESTER	CORE COURSES		Elective-I	Elective-II	Elective-III	Elective-IV	Elective-V	Skill Enhancement Courses
I	Basic Algebra	Basic Real Analysis	-----	-----	-----	-----	-----	
II	Coordinate Geometry	Mathematical Analysis-I	-----	-----	-----	-----	-----	
III	Mathematical Analysis - II		Abstract Algebra-I	Number theory-I	Combinatorics	Numerical Methods		Differential Equations I
IV	Linear Algebra		Advanced Analysis	Number Theory-II	Operations Research I	Probability Theory		Differential Equations II
V	Functions of Several Variables		Metric Spaces	Graph Theory	Cryptography	Logic and Boolean Algebra	Operations Research II	
VI	Vector Analysis		Complex Analysis	Abstract Algebra - II	Computational Linear Algebra	Computers for Mathematics	Pedagogy of Mathematics	

Course Structure for Mathematics Minor

SEMESTER	CORE (MINOR)
I	Basic Algebra
II	Coordinate Geometry
III	Basic Real Analysis/ Numerical Methods/ Combinatorics
IV	Mathematical Analysis-I/ Linear Algebra/ Operations Research-I
V	Graph Theory / Numerical Methods/ Operations Research-II
VI	Probability Theory/ Vector Analysis

BIOTECHNOLOGY

SEMESTER	CORE COURSES		ELECTIVE COURSES				SEC/ GEC
I	BIO-I.C-1A Bio molecules	BIO-I.C-2A Cell Biology	-----	-----	-----	-----	BIO-GEC-1 Mushroom Cultivation and Vermicomposting Technology
II	BIO-II.C-3A Fundamental Genetics	BIO-II.C-4A Basic Microbiology	-----	-----	-----	-----	BIO-GEC-4 Biostatistics
III	BIO-III.C-5A Molecular Biology	-----	BIO-E-1 Basics of Plant and Animal Sciences	BIO-E-22 Metabolism of Biomolecules	BIO-E-3 Biostatistics	BIO-E-23 Enzymology	-----
IV	BIO-IV.C-6A Immunology	-----	BIO-E-5 Plant and Animal Physiology	BIO-E-24 Tools & Techniques in Biotechnology	BIO-E-4 Evolution and Anthropology	BIO-E-7 Molecular Genetics	BIO-SEC-1 Food and Fermentation Technology
V	BIO-V.C-7A Concepts in Genetic Engineering	-----	BIO-E-9 Molecular medicine	BIO-E-18 Environmental Biotechnology	BIO-E-20 Plant Biotechnology	BIO-E-12 Bioinformatics	-----
VI	BIO-VI.C-8B Industrial Biotechnology	-----	BIO-E-16 Bioethics and Biosafety	BIO-E-25 Advanced Cell Biology	BIO-E-13 Food Biotechnology	BIO-E-21 Animal Cell Culture	-----

BIOCHEMISTRY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	BCH-I.C-1 Molecules of Life	BCH-I.C-2 Cell Biology	-----	-----	-----	-----
II	BCH-II.C-3 Protein Chemistry	BCH-II.C-4 Biophysics	-----	-----	-----	-----
III	BCH-III.C-5A Metabolism of Biomolecules		BCH.E-1 Tools & Techniques in Biochemistry	BCH.E-17 Enzymology	BCH.E-18 Fundamentals of Microbiology	BCH.E-6 Nutritional Biochemistry
IV	BCH-IV.C-6A Immunology		BCH.E-5 Human Physiology	BCH.E-4 Plant Biochemistry	BCH.E-19 Endocrinology	BCH.E-8 Advanced Cell Biology
V	BCH-V.C-7 Molecular Biology		BCH.E-9 Concepts of Genetics	BCH.E-10 Regulation of Gene Expression	BCH.E-20 Industrial Microbiology	BCH.E-12 Bioinformatics
VI	BCH-VI.C-8A Clinical Biochemistry		BCH.E-21 Introduction to Pharmacology	BCH.E-22 Food Biochemistry	BCH.E-11 Genetic Engineering and Biotechnology	BCH.E-23 Environmental Chemistry

Generic Elective Course:

1. BCH.GEC-1 Contemporary Nutrition
2. BCH.GEC-2 Biochemical Correlation of Diseases

Skill Enhancement Course:

BCH.SEC-1 Nutraceutical Product Development

BOTANY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	BOT-I.C-1 Plant diversity	BOT-I.C-2 Cell Biology & Biomolecules	-----	-----	-----	-----
II	BOT-II.C-3 Plant Anatomy and Embryology	BOT-II.C-4 Microbiology	-----	-----	-----	-----
III	BOT-III.C-5 Physiology of Plants		BOT-III.E-1 Ecology & Conservation	BOT-III.E-2 Systematics of Flowering plants and Phylogeny	BOT-III.E-3 Enzymes and their metabolic pathways	BOT-III.E-4 Herbal Cosmetology
IV	BOT-IV.C-6 Cytogenetics		BOT-IV.E-5 Plant Breeding and Biostatistics	BOT-IV.E-6 Techniques and Instrumentation in Botany	BOT-IV.E-7 Plant pathology	BOT-IV.E-8 Algal Biotechnology
V	BOT-V.C-7 Plant Molecular Biology		BOT-V.E-9 Bioinformatics	BOT-V.E-10 Seed Technology	BOT-V.E-11 Plant Drug Technology & Pharmacognosy	BOT-V.E-12 Organic Farming
VI	BOT-VI.C-8 Plant Genetic Engineering		BOT-VI.E-13 Plant tissue culture	BOT-VI.E-14 Horticulture, Floriculture & Landscaping	BOT-VI.E-15 Economic Botany	BOT-VI.E-16 Applied Mycology

Skill Enhancement Courses:

BOT-III.SEC-1 Bioresource Management

BOT-IV.SEC-2 Basics in Horticulture

CHEMISTRY

SEM ESTE R	CORE COURSES		ELECTIVE COURSES				SKILL ENHANCE MENT COURSES	GEC
I	CHE-I. C-1 General Physical and Inorganic Chemistry	CHE-I. C-2 General Organic and Inorganic Chemistry	---	---	---	---	---	CHE-GEC-1 Basics of Chemistry
II	CHE-II. C-3 Concepts in Physical and Analytical Chemistry	CHE-II. C-4 Concepts in Organic and Inorganic Chemistry	---	---	---	---	---	
III	CHE-III. C-5 Comprehensive Chemistry –I (Physical and Inorganic Chemistry)	---	CHE-III. E-1 Name Reactions and Synthetic Methodologies	CHE-III. E-2 Introduction to Industrial Chemistry	CHE-III. E-3 Surface Chemistry and Catalysis	CHE-III. E-4 Bioinorganic Chemistry	CHE.SEC-1 Skill Development in Chemistry	
IV	CHE-IV. C-6 Comprehensive Chemistry –II (Organic and Analytical Chemistry)	---	CHE-IV. E-5 Pharmaceutical Chemistry	CHE-IV. E-6 Polymer and Colloid Science	CHE-IV. E-7 Spectroscopic Techniques	CHE-IV. E-8 Chemistry of Natural Products	CHE. SEC-2 Plating and corrosion CHE. SEC-3 Laboratory Techniques in Organic Chemistry	
V	CHE-V. C-7 Advanced Chemistry – I (Physical and Inorganic Chemistry)	---	CHE-V. E-9 Heterocyclic Chemistry	CHE-V. E-10 Nanomaterials and Solid State Chemistry	CHE-V. E-11 Organometallic Chemistry	CHE-V. E-12 Selected Topics in Physical Chemistry	---	
VI	CHE-VI. C-8 Advanced Chemistry – II (Organic and Analytical Chemistry)	---	CHE-VI. E-13 Spectroscopic Methods in Organic Chemistry	CHE-VI. E-14 Environmental Chemistry	CHE-VI. E-15 Selected Topics in Inorganic Chemistry	CHE-VI. E-16 Electroanalytical Chemistry	---	

COMPUTER SCIENCE

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	COM-I.C-1 Mathematical Foundation of Computer Science – I	COM-I.C-2 * Introduction to Programming	---	---	---	---
II	COM-II.C-3A ** Database Management System I	COM-II.C-4 * Data Structures				
III	COM-III.C-5A * Object Oriented Programming	---	COM-E-1 Software Engineering	COM-E-2 Digital Logic Design	COM-E-3 Mathematical Foundation of Computer Science – II	COM-E-4 Web Designing
IV	COM-IV.C-6 Computer Architecture and Organization	---	COM-E-5 Design & Analysis of Algorithms	COM-E-10 Mobile Application Development	COM-E-7 Server Side Programming	COM-E-8 HCI
V	COM-V.C-7 * Operating Systems		COM-E-9 Embedded Systems	COM-E-17 Database Management System II	COM-VI.E-18 Web Development Framework	COM-E-12 Software Testing
VI	COM-VI.C-8 * Computer Networks	---	COM-E-13 Network Security	COM-E-14 Cloud Computing	COM-E-11 Introduction to Data Science	COM-E-19 Web Development with Laravel

Note: * Core Courses also offered for minor subject combination.

** Core Courses also offered for minor subject combination in 4th Semester.

GEOGRAPHY

SEMESTER	CORE COURSES		ELECTIVE COURSES		
I	GEG-I.SC1: Basic Concepts in Geography	GEG-I.SC2: Biogeography			
II	GEG-II.SC3: Coastal- Fluvial Geography	GEG-II.SC4: Quantitative Techniques in Geography			
III	GEG-III.SC5: Remote Sensing & Photogrammetry		GEG-SE1: Spatial Analysis	GEG-SE2: Raster and Vector Data Models in GIS	GEG-SE3: Participatory GIS
IV	GEG-IV.SC6: GIS and Application		GEG-SE4: Geography & Climate Change	GEG-SE5: Geography of Marine Ecology	GEG-SE6: Watershed Management
V	GEG-V.SC7: Geography of Soil Studies		GEG-SE7: Geography of Soil Studies	GEG-SE8: Agro- Meteorology: Principles and Applications	GEG-SE9: Field Survey in Physical Geography
VI	GEG-VI.SC8: Disaster Management		GEG-SE10: Remote Sensing and Forest Ecology	GEG-SE11: Advanced Coastal Geomorphology	GEG-SE12: Ecology of Estuarine Environment

GEOLOGY

SEM	CORE COURSES		ELECTIVE COURSES				GEC/ SEC
I	GEL-I.C-1 Fundamentals of Mineralogy	GEL-I.C-2A Earth's Dynamics and Tectonics	----	----	----	----	GEL-GEC 1: Environmental Geology
II	GEL-II.C-3A Elementary Petrology	GEL-II.C-4 Principles of Stratigraphy and Paleontology	----	----	----	----	GEL-GEC2: Earth Dynamics and Landforms
III	GEL-III.C-5A Advanced Mineralogy and Geochemistry		GEL-III.E-1 Physical Geology	GEL-III.E-2 Groundwater and Hydrogeology	GEL-III.E-3A Ore Genesis	GEL-III.E-4 Marine Geology	GEL-III.SEC-1A Gemmology
IV	GEL-IV.C-6 Structural Geology		GEL-IV.E-5A Engineering Geology	GEL-IV.E-6A Optical Mineralogy	GEL-IV.E-7 Natural Hazards and Management	GEL-IV.E-8 Geotectonics	GEL-IV.SEC-2 GIS for Beginners
V	GEL-V.C-7 Sedimentary Petrology	GEL-V.CP Core Project	GEL-V.E-9B Precambrian Stratigraphy of India	GEL-V.E-10 Petroleum Geology	GEL-V.E-11A Metamorphic Petrology	GEL-V.E-12 Remote Sensing and Digital Image Processing	
VI	GEL-VI.C-8A Igneous Petrology	GEL-VI.CP Core Project	GEL-VI.E-13B Phanerozoic Stratigraphy of India	GEL-VI.E-14B Rock Structures and Deformation Microstructures	GELVI.E-15A Surveying, Mapping and Field Geology	GEL-VI.E-16A Principles of Geophysical Exploration and Mining	

Core Courses for students offering **Geology as the Minor**

SEMESTER	CORE (MINOR)
I	GEL-I.C-1: Fundamentals of Mineralogy
II	GEL-II.C-3A: Elementary Petrology
III	GEL-III.C-5A: Advanced Mineralogy and Geochemistry
IV	GEL-IV.C-6: Structural Geology
V	GEL-V.C-7A: Sedimentary Petrology
VI	GEL-VI.C-8A: Igneous Petrology

PHYSICS

SEMESTER	CORE COURSES		ELECTIVE COURSES					SEC
I	PHY-I.C-1 Introduction to Mathematical Physics	PHY-I.C-2 Mechanics-I	-----	-----	-----	-----	-----	
II	PHY-II.C-3 Heat and Thermodynamics	PHY-II.C-4 Electricity and Magnetism	-----	-----	-----	-----	-----	
III	PHY-III.C-5 Electromagnetic Theory-I	-----	PHY-E-1 *Optics	PHY-E-2 Modern Physics	PHY-E-3 Oscillations Waves and Sound	PHY-E-17 Introduction to Astronomy and Astrophysics		PHY-SEC-1 Basics of Visualization and Scientific word processing
IV	PHY-IV.C-6 Quantum Mechanics	-----	PHY-E-5 *Electronics-I	PHY-E-18 Introduction to Error Analysis	PHY-E-4 Properties of Matter and Acoustics	PHY-E-7 Computational Physics	-----	PHY-SEC-2 Instrumentation
V	PHY-V.C-7 Electromagnetic Theory-II	-----	PHY-E-9 *Solid State Physics	PHY-E-10 Thermodynamics and Statistical Mechanics	PHY-E-11 Electronics-II	PHY-E-12 Mathematical Physics	PHY-E-6 Solid State Devices	
VI	PHY-VI.C-8 Atomic and Molecular Physics	-----	PHY-E-13 *Mechanics II	PHY-E-14 Nuclear and Elementary Particle Physics	PHY-E-15 Introduction to Special Theory of Relativity	PHY-E-16 Introduction to Material Science		

Note:

* BoS Physics recommends these elective courses to be taken by students as a prerequisite to the M.Sc. (Physics) Program.

I. COURSES FOR STUDENTS OPTING PHYSICS AS MINOR SUBJECT [2022-2023]

Semester	Course
I	Mechanics-I
II	Electricity and Magnetism or Heat and Thermodynamics
III	Modern Physics or Electromagnetic theory -I
IV	Computational Physics Or Quantum Mechanics
V	Thermodynamics and Statistical Mechanics Or Electromagnetic theory -II
VI	Mechanics II Or Introduction to Materials Science

II. COURSES OFFERED AS GENERIC ELECTIVE COURSES (GEC) [2022-2023]

Semester	Course Title
I & II	PHY-GEC-1 Elementary Physics
I & II	PHY-GEC-2 Physics for Life Sciences
I & II	PHY-GEC-3 Introduction to Astronomy

ZOOLOGY

SEME STER	CORE COURSES		ELECTIVE COURSES				SKILL ENHANCEMENT COURSES (SEC) AND GENERIC ELECTIVE COURSES(GEC)
I	ZOO-I.C-1 Animal Diversity: Non Chordates	ZOO-I.C-2 Cell and Molecular Biology	---	---	---	---	ZOO-I.GEC-1 Health and Nutrition
II	ZOO-II.C-3 Diversity and Biological Systems of Chordates	ZOO-II.C-4 Fundamentals of Animal and Human Genetics	---	---	---	---	---
III	ZOO-III.C-5 Human Physiology	---	ZOO-III.E-1 Vertebrate Endocrinol ogy	ZOO-III.E-2 Basic Microbiology and Fundamentals of Animal Biotechnology	ZOO-III.E-3 Environmen tal Toxicology	ZOO-III.E-4 Parasitology	ZOO-III-SE-1 Waste Management Techniques
IV	ZOO-IV.C-6 Biochemistry and Metabolic Regulation	---	ZOO-IV.E-5 Animal Cell Culture and Applications	ZOO-IV.E-6 Aquaculture and Fisheries	ZOO-IV.E-7 Immunolog y	ZOO-IV.E-8 Evolutionary Biology	ZOO-III-SE-2 Bio Entrepreneurshi p
V	ZOO-V.C-7 Developmenta l Biology		ZOO-V.E-9 Molecular Genetics and Forensic Science	ZOO-V.E-10 Economic Zoology	ZOO-VI. E- 11 Basic and Applied Entomolog y	ZOO-V.E-12 Fish Preservation and Processing	
VI	ZOO-VI.C-8 Wildlife Biology	---	ZOO-VI.E- 13 Health and Nutrition	ZOO-V. E-14 Ecology and Ethology	ZOO-VI.E- 15 Laboratory Techniques in Pathology	ZOO-VI.E-16 Reproductive Biology and Assisted Reproductive methods	

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 (initiated by Academic Departments of the College)
8. Fine Art

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

1. Extracurricular subjects / activities carry a total of six credits, involving 180 hours of contact training / practice.
2. Students can choose any activity listed above and specialize in the activity fully to earn six credits. In such a case, he/ she will have to complete 180 hours of contact training in that chosen activity over the six semester period, but preferably in the first four semesters.
3. Students can also choose multiple activities from those listed above. In such a case, a student has to complete at least a minimum of 60 hours of contact training / practice in the activity to earn a minimum admissible two credits in any activity or subject. Three such activities can be pursued by a student to earn the total of six credits. Students can schedule the training in these activities so as to complete it at one's own pace.
4. 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 four credits can be earned by a student by opting for any other subject /activity listed above.
5. A student should schedule the training, preferably, in such a way as to complete it within the first four semesters. A student may complete this training in two semesters or may schedule it evenly over a four semesters' period so as to complete it at her/his own pace.
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. The minimum duration of contact training will be 60 hours. Successful completion of 60 hours of training will entitle a student for the award of two credits.

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 has to 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. Sixty hours of contact practice or training is the minimum required to obtain two credits. Students can choose to pursue only sports as an extra-curricular activity to earn the maximum of six credits by putting in 180 hours of contact practice or training over a period of six semesters, preferably the first four semesters.

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

A student should enrol in the NCC as per the NCC charter. Students need to complete a minimum of 60 contact hours of NCC training to be eligible for two credits. Minimum number of hours permitted to be completed in a semester is 30 hours. If a student wants to obtain all six credits of extra-curricular activities by opting for NCC, he/she has to continue with NCC in all the semesters so as to complete the 180 hours of contact sessions.

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

A student should enrol in the NSS as per the NSS policy. Students need to complete a minimum of 60 contact hours of NSS work to be eligible for two credits. Minimum number of hours required to be completed in a semester is 30 hours. If a student wants to obtain all six credits of extra-curricular activities by opting for NSS, he/she may have to continue with NSS and participate/undertake the activities offered so as to complete the 180 hours of contact sessions.

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. Students may enrol with clubs sponsored by the College for imparting such skills as the Toastmasters' Club for public speaking. Student Support services of the College conducts two life-skills courses: (1) Communication Skills and Self Management, and (2) Interpersonal Relationships and Conflict Resolution.

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.

7. Enrolling for the Outreach Programme

Students may choose to get involved in the outreach programme initiated by the College or by the academic departments of the College. Outreach programmes will be notified by the College and by the academic department of the College from time to time. Conditions required to be fulfilled to obtain two credits are sixty hours of contact time. The students need to meet the other conditions specified above in this policy, to obtain credits for the outreach programme.

8. Enrolling for Fine Art Programme

Students may choose to develop their skills in Fine Art. The student may approach the College for a Fine Art course of 60 hours duration involving 2 credits.

Table: Requirements for Earning Credits under Extra-curricular Activities

Sr. No.	Category	Minimum Credits	Minimum Contact Hours	Maximum Credits	Maximum Contact Hours	Confirmation Required
1	Music / Dance	2	60 Hours	6	180 Hours	Authentic Records
2	Sports	2	60 Hours	6	180 Hours	Authentic Records
3	National Cadet Corps	2	60 Hours	6	180 Hours	Authentic Records
4	National Service Scheme	2	60 Hours	6	180 Hours	Authentic Records
5	Life Skills Programme	2	60 Hours	6	180 Hours	Authentic Records
6	Student Exchange Programme	2	60 Hours	2	2 Weeks	Authentic Records
7	Outreach Programme	2	60 Hours	6	180 Hours	Authentic Records
8	Fine Art	2	60 Hours	6	180 Hours	Authentic Records

D. CREDITS FOR INTERNSHIP

Internship is a compulsory and an inherent part of the undergraduate curriculum of Parvatibai Chowgule College of Arts and Science (Autonomous). On successful completion of the internship programme a student will earn four credits. Successful completion means that a student has to *participate in the internship programme for at least four weeks and adhere to all the other requirements* of the programme. These include:

- Strictly following the guidelines given to them while on internship. These guidelines include adhering to the dos and don'ts before, during and after the programme.
- Attending the internship work in a manner deemed fit and expected of him or her as representative or ambassador of the College.
- Presenting a report of his or her learning from internship after the return from the internship programme

The College visualizes internship, in the current form, to be subject related rather than general. Hence it expects academic departments to get directly involved with internship programme and explore as well as monitor the internship opportunities pertaining to the students majoring in their subjects.

As such, internship work of the students will be supervised by the respective academic department of the College. The department will obtain periodic feedback on the performance of the student during internship. It will also ask the student to make a presentation about his or her experience from internship and on the amount of skills and learning accumulated from internship.

Depending on the subject, internship work for a student may be explored and pursued in organizations outside the College such as a manufacturing plant / commercial firm / laboratory / NGO / or in a department within the College.

Internship work outside the College should be pursued by a student during the summer and/or the winter vacations. A student should schedule the internship work in such a way as to complete it, preferably, by the end of the fourth semester.

E. 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.

IV STUDENT RESOURCES

1. LIBRARY:

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

Contact Person: Mrs. Poonam Joshi

Email: pmj001@chowgules.ac.in

2. LABORATORIES:

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

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

Research Laboratory: The College houses a centralized research laboratory equipped with modern equipments.

3. 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: Dr. Ashish Desai

Email: amd006@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. Sneha Queensy Andrade

Email: counseling@chowgules.ac.in

Ms. Sumedha More

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

4. 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

5. 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. Sanjaya Kumar Swain

Email: sks003@chowgules.ac.in

6. STUDENT CLUBS

The bonafide students of college can earn six 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: dvb001@chowgules.ac.in

7. 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

8. 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). SameenaFernandes e Falleiro

Email: ctl@chowgules.ac.in

HOSTEL

Accommodation with basic facilities is available for boys and girls. For more details, please contact Mr. Jena Dasharathi on 9404758710 or email at jed000@chowgules.ac.in

V

COLLEGE POLICIES

SPORTS POLICY

Sports activities at Chowgule College are considered an important component of overall personality development of students. Sports are an integral part of social development and therefore needs to be encouraged. Our aim is to produce young men and women who play with good sportsmanship and are competitive every time they step onto the field. We want to teach our pupils to be committed to their team and take responsibility for their actions.

The main objective of the College Sports Policy is to include SPORTS as an important part of the overall curriculum offered by the college to its pupils.

The objectives of the college sports policy are:

1. To motivate students to become part of the ongoing recreational and competitive sports programme.
2. To inform the students about the benefits of sports and active lifestyles.
3. To involve faculty members to assist the Department of Physical Education and Sports in promoting, organizing and supervising the college sports programme.
4. To feature 'Sports Hour' in the Time Table and to assign a faculty member to monitor the students' presence in the activities conducted during the sports hour.

Features:

1. The college considers sports to be an integral part of the college academic programme.
2. The college makes available necessary funds and infrastructure to implement the sports policy.
3. The college encourages talented sportsmen to join its academic programmes.
4. The college makes provision in the time table to involve students in sports.

Roles and Responsibilities of Director of Physical Education:

1. To organize, supervise and administrate all competitive, recreational and leisure time sports activities.

2. To organize orientation programmes for students to better understand the sports facilities and programmes of the college.
3. To organize talent search programmes to identify talented sportsmen eligible to join the college at graduate and post graduate levels.
4. To organize a "Sports Test" for all the students joining at graduate and post graduate levels for the respective term.

Responsibilities of the Faculties:

1. To sensitize the students about the sports policy of the college and to motivate them to take part in sports.
2. To assist the Department of Physical Education and Sports in promoting, organizing and supervising the college sports programme.
3. To recognize the sports achievements of their students.
4. To assign "duty leave" to students on sports duties authorised by the college.

Responsibilities of the Students:

1. To associate themselves with sports activities and to motivate fellow students to take part in sports.
2. To appear in the "SPORTS TEST" conducted by the Department of Physical Education and Sports.

College Team/Attendance/Annual Weekly Training Program/ Academic Performance

In order to avail themselves of the benefits of the College Sports Facilities, Tiger Sports Club system and the new sports policy of Government of Goa and Goa University, a student of this college must abide by the following guidelines of the sports policy of the college:

1. A student must be a regular member of a students' sports club (Students' Sports Club affiliated to the Department of Physical Education and Sports).
2. A student must be registered for the annual weekly training program in order to represent the college in the extramural tournaments.
3. The student must have 75% of attendance in the annual weekly training program as well as in the academic programme for which he or she is admitted.

4. The student must represent the college team in the inter-institutional and other tournaments authorized by the college.
5. The student must appear in all the continuous assessments and semester end examinations.
6. The college team will withdraw from any tournament if there is no sufficient number of players to form a team.
7. College teams that travel are representatives of Chowgule College and the college expects very high standards of behaviour from them. They are also proud members of a team and their behaviour should in no way cast aspersions on themselves, their team members, the coaching staff and most importantly the college. Consequently all college teams show a sense of belonging by adhering to the dress code while the Tiger team travels.
8. The Director of Physical Education will inform the Principal before starting any new sports programme.
9. Captains of all the teams will meet the Principal before they leave college for external sports competitions.

Annual Athletic Meet / Intramural / Mentor Sports

1. It is desirable that every student participates in either or all of the above mentioned events.
2. The request for participation in any of the above activities should be routed through their respective clubs.

LIBRARY POLICY

The library policy is designed to provide maximum benefits to the users of the Learning Resources Centre (LRC). The resources include books, reference materials, journal editions and VCDs. The LRC also has access to INFLIBNET, other OPEN SOURCE Books, e-journals and SCHOLARLY ARTICLES.

Facilities Available

- Reading Facilities
- Referencing Facilities
- Lending Facilities
- Research Cubicles to the Researcher
- Special Section - Goa and Rare books.

Who can use the LRC Facilities

- Students of the College.
- Faculty and Non-teaching Staff of the College.

All students and staff possessing a valid College Identity can use LRC facilities.

Policies pertaining to the Use of Facilities

- **READING FACILITY:** This facility is located on the First Floor of the LRC building. It can accommodate 50-60 readers at a time. The reading facility is available on first-come-first-served basis and no reservation of sitting place is entertained. This facility is available between 9.30 a.m. and 4.30 p.m. on all working days.
- **REFERENCING AND CYBER FACILITIES:** This facility is located on the First Floor of the LRC building. The reading facility is available on first-come-first-served basis. This facility is available from 9.00 a.m. to 4.30 p.m. (Monday to Friday) and from 9.15 a.m. to 1.00 p.m. (Saturdays). Online resources of the LRC can be accessed through the internet from anywhere.
- **LENDING FACILITY:** The lending counter is located on the Ground Floor of the LRC building. Students and staff of the College can borrow up to twenty books for seven days and two VCD for five days. Journals and Reference books are not issued out of the LRC. If books are not returned on the due date the borrowers will have to pay a penalty which is as follows:

Overdue charges for a delay of up to three days are Rs. 10.00 per book per day. For a delay of four to fifteen days, the overdue charges are Rs. 20.00 per book per day. For a delay of sixteen to thirty days, the overdue charges are Rs. 30.00 per book per day. For a delay of more than thirty days the overdue charges are Rs. 50.00 per book per day from day one. The overdue charges will have to be paid at the issuing counter of LRC. No complaints on the issue of overdue shall be entertained.

- **LOSS OF BORROWED ITEMS:** If borrowers have lost any item, they have to inform the Librarian immediately through email at library@chowgules.ac.in. A penalty equivalent to 150 percent of the current cost of the item will be imposed on all lost items.
- **BEHAVIOUR IN THE LRC:** Users of the LRC should adhere to the code of conduct. Users are advised to familiarize themselves with this code which is available on the College website <http://www.chowgules.ac.in>.
- **GRIEVANCES WITH RESPECT TO THE FUNCTIONING OF LRC:** All grievances/complaints with respect to the function of the library should be brought to the notice of the College authorities. Grievances can be emailed to the Principal at principal@chowgules.ac.in.
- **RESPONSIBILITIES OF THE BORROWER:** The borrowers are personally responsible for items borrowed from the library. They must ensure that the material borrowed from the LRC is not misused or soiled or in any form mishandled. The ultimate liability for the penalty will lie with the borrowers.
- **AUTHORITY OF APPEAL:** The final authority for appeal and for adjudication is the Principal.
- **IMPORTANT PROVISION - RIGHT TO AMEND:** The College reserves the right to amend these policies whenever the need arises.

CENTER FOR RESEARCH IN LEARNING RESOURCE CENTRE (LIBRARY):RESEARCH ENVIRONMENT:

- A reference library is a book and E- collection that caters to non-fiction subjects. It is commonly used by people researching history, religion, geography, languages, science and more. Research Collection is rarely lending materials, because of the value of primary and secondary sources. They must also be kept current, in order to ensure they are as factual as possible.

PRESENT OVER VIEW OF LEARNING RESOURCE CENTRE PRIVILEGES:

- At present our research students can benefit from access to world-class facilities including in-house books, the latest research resources and equipment, dedicated postgraduate work spaces, and information technology including Databases.
- The Learning Resource Centre is your gateway to high quality information relevant to research.
- Access to a huge range of specialist information resources including 48995 print books, 18 Journals and 16 Magazines. LRC subscribes to 4 Newspapers and provides open access to E-dailies (National and International)
- **DIGITAL LIBRARY OF INDIA:** Digital Library of India is a part of the online service of Indian Institute of Science, Bangalore and partner of the Million Book Project, provides

free access to more than 1.5 million books in English and other Indian languages, available to everyone over the internet.

- Ph.D. THESIS FROM INDIAN UNIVERSITIES FOR PUBLIC DOMAIN: Shodhaganga@InflibnetCentre provides to Research students of 325 Indian Universities 193961 Full Text Theses,3900 Synopses are available to the entire scholarly community in open access. The repository has the ability to capture, index, and store, disseminate and preserve ETDs submitted by the researchers.
- INFLIBNET- N-LIST: N-List program provides an authorized user from colleges registered in the N-List program to access the e-resources nearly about 97,000 E-Books and 6000 E-Journals.
- ELECTRONIC RESOURCE AT CHOWGULES: Chowgule's authorized end user has privilege to access 1500 E-titles and 500 previous year question papers through LRC.
- OTHER OPEN SOURCES: 'N' numbers of open source databases are available, for Books, Journals, Research, Translation, and Citation guide etc. like JSTOR ORG, SCIENCE DIRECT, CONNECT JOURNAL.
- Help in finding and using information - online.
- Individual and group work spaces - including the dedicated Reading Room.
- Wifi facility is available.
- Services for distance learning research students.
- The College Library also offers dedicated services for researcher to support their specialist information needs.
- Student email - access your email and calendar anywhere, including on your Smartphone or other mobile device

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

VI 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. Students may also use computers available in the Computer Lab I. Users must be fully aware of the usage rules and the IT protocol of the College. Disciplinary action will be taken against violators.

Vehicle Parking Rules

The College is not responsible for the safety of vehicles parked at the vehicle parking area of the college. Persons must vacate the parking space after parking the vehicles. The college is also NOT responsible if the vehicle is towed away if parked in 'No Parking Area'. Misusing the parking ground is an offence and would invite fine of Rs. 5000/- and disciplinary action.

Stand against Ragging

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

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.

VII
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.

VIII

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%)
- Scholarship for Service Personnel
- Fee Waiver Scheme for SC/ST Students
- Dayanand Bhandarkar 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.
- Free-ship to Repatriates from Portuguese colonies etc.
- Financial help from the Institute of Public Assistance.
- National Loan Scholarships.

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.

ENDOWMENT PRIZES:

1. Dr. S.S. Phadke Prize - in the form of Konkani books will be awarded to a student who passes T.Y.B.A. degree examination at the first due attempt with highest total marks in aggregate from amongst students from this College offering Konkani as a major subject at T.Y.B.A. University Examination by securing a minimum of 50% marks in the subject . If no candidate qualifies, the amount will be utilized by the College by organizing Inter collegiate Essay Competition /Own Poetry recitation competition in Konkani.
2. Prof. Devidas Jaiwant Malkernekar Memorial Prize will be awarded to a student passing T.Y.B. Sc. University Examination from this college at first attempt, securing highest total marks in Physics (obtaining min. 60% marks).
3. Shri R. S. Rao Prize will be awarded to a student passing XII Examination conducted by Goa Board, securing highest marks in Mathematics and taking admission to F.Y.B. Sc. with Mathematics as one of the subjects in Chowgule College.
4. Shri R. S. Rao Prize will be awarded to a student passing T.Y.B. Sc. University Examination from this college at first attempt, securing highest marks in Mathematics.
5. Ms. Pratima Naik Memorial Prize will be awarded to a student of this college, scoring highest total marks in final Examination of M.A. Part II in Geography.
6. Ms. Pratima Naik Memorial Prize will be awarded to a student passing TYBA University Examination from this college at first attempt, securing highest marks in Geography.
7. Shri Raghunath & Smt. Laximibai Raghunath Nagwenkar Memorial Prize will be awarded for the best student who scores highest aggregate marks in Chemistry.
8. Dr. K. U. Rao Prize for BA student securing maximum marks with English (Single Major) as his/her subject.
9. Ms. Pratima Naik Memorial Prize will be awarded to a girl student passing TYBA University Examination from this college at first attempt, securing highest marks in Geography.
10. Physics dept prize will be awarded to a student from amongst the regular TYBSC students who has scored highest percentage of marks in aggregate at the first due attempt in the subject of Physics as a major subject till the last semester end examination held.
11. Dr N.N. Sawant and Dr S.S. Hiremath Scholarship will be awarded to needy students taking admission to PG Diploma in GIS.
12. Late Afroz Sheikh Memorial Scholarship will be awarded to a student who scores highest in semester I and II in MA Geography.
13. Prof. M.S. Honarao and Dr. S.S. Hiremath scholarship will be awarded to needy and meritorious students to pay part of the fee of the M.A. programme in Geography.

HIRA WAGH AWARD:

Will be awarded to the deserving student of the year in the College on the grounds of achievements in studies, sports and extra-curricular activities.

N.C.C. PRIZES:

Best Cadet Prize – will be awarded to the best male/female cadet of N.C.C. (Navy, Infantry).

Best Under-officer Prize – will be awarded to the best eligible male/female under-officer of N.C.C. (Navy, Infantry).

Special Principal Award – will be awarded to the cadet selected for Republic Day Parade at Delhi.

N.S.S. PRIZE:

N.S.S. Prize will be awarded to the best male and female N.S.S. volunteers.

CAUSE FUND:

Teachers' fund for needy students.

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)

IX

CONTACT DETAILS

Name	Designation	Department	Email ID
Dr.Ananya Das	Offg. Principal	Physics	vp@chowgules.ac.in
Dr.MeghanaDevli	Assoc. Prof, Head & Dean of Sciences	Geology	msd001@chowgules.ac.in
Dr. Sachin S. Moraes	Asst. Prof, In-charge& Dean of Arts	Sociology	ssm005@chowgules.ac.in
Mr. D. Prabakaran	Assoc. Prof & Controller of Examination	Computer Science	vdp001@chowgules.ac.in
Prof. Sangeeta Sankhalkar	Prof.& Head	Botany	sgs001@chowgules.ac.in
Dr. Starlaine Mascarenhas	Asst. Prof &Incharge	Biotechnology	scm008@chowgules.ac.in
Ms.AdujaNaik	Asst. Prof & Incharge	Biochemistry	adn008@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
Dr. Nandini Vaz Fernandes	Assoc. Prof & Head	Zoology	nvf001@chowgules.ac.in
Prof. Nandkumar N. Sawant	Prof & Head	Geography	nns001@chowgules.ac.in
Mrs. Rupali Tamuly	Assoc. Prof & Head	Economics	rmt001@chowgules.ac.in
Mrs. Sarita S. NaikTari	Assoc. Prof &Head	History	sst001@chowgules.ac.in
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Ms. Saroj Usgaonkar	Asst. Prof. & Incharge	Philosophy	sau002@chowgules.ac.in
Mr. Andrew Barreto	Asst. Prof. & Incharge	English	asb002@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 FalDessai	Asst. Prof & Incharge	Marathi	tfd000@chowgules.ac.in

Dr. Devashish Bagchi	Director	Physical Edu. & Sports	dvb001@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. Jena Dasharathi	Estate Officer	Estate	jed000@chowgules.ac.in
Mr. Abhiram Das	Head	Office of Information Technology	abd005@chowgules.ac.in
Mr. Shubhajit Datta	Technical Director	CCCA (Chowgule Centre of Creative Art)	sud005@chowgules.ac.in
Ms. Nina Coutinho	HR Executive	Administration	mnc003@chowgules.ac.in

ACADEMIC CALENDAR 2022- 2023**Academic calendar for semester I, III and V**

Semester begins	- 20 July 2022
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	- 30 August 2022 to 05 September 2022
Semester End Examinations	- 16 November 2022 to 23 December 2022
Semester ends	- 10 November 2022
Diwali and Christmas Break	- 12 December 2022 to 31 December 2022

Academic Calendar for Semester II, IV and VI

Semester begins	- 02 January 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	- 25 April 2023 to 07 June 2023
Semester ends	- 21 April 2023
Summer Vacation	- 12 May 2023 to 11 June 2023

Note : If any of the rules or guidelines are modified in view of COVID- 19 pandemic, then the same will be notified on the college website.



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