



Parvatibai Chowgule College of Arts and Science Autonomous

Accredited by NAAC with Grade A (CGPA Score 3.41 on a 4 Point Scale 3rd Cycle)

Best affiliated College-Goa University Silver Jubilee Year Award.

Awarded DBT Star College, NIRF Rank 151 - 200 (2019)



Bachelor of Arts (B.A)

Prospectus

2021-2022

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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 3.41 on a 4-point scale in the 3rd 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. The college was ranked in the Rank Band of 100-150 band, for NIRF 2018 and in the Rank Band of 150-200 for NIRF 2019 by Ministry of Human Resource Development (MHRD), Govt. of India. 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.

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 Vocation streams. Today, the College offers twenty-three undergraduate and eight post-graduate 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, Geography, 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 Applied Economics, 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. A total of 44 research projects and grants were received by the faculty for the past 05 years from various funding bodies such as UGC, DST, SERB, ICSSR, DHE-DST, GFD etc. College has 31 MoUs, including 10 international institutions and more than 203 linkages for facilitating research and encouraging industry-academia research initiatives and internships for students.

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, Student Support Services and Centralized Printing Facilities.

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.

PROGRAMMES OFFERED BY THE COLLEGE

UNDERGRADUATE PROGRAMMES

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

The various programmes offered at undergraduate level in the Arts Stream are:
English, French, Hindi, Konkani, Marathi, Economics, Geography, History, Mathematics, Philosophy, Psychology, and Sociology.

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

Programmes in the Science Stream are: *Biochemistry, Biotechnology, Botany, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics and Zoology.*

(c) Bachelor of Vocation (B.Voc)

Programme in B.Voc. Stream is *Software development*

POSTGRADUATE PROGRAMMES

(a) M.Sc. - Information Technology

(b) M.Sc. – Analytical Chemistry

(c) M.Sc. - Geoinformatics

(d) M.A. – Geography

(e) M.A. –Applied Economics

(f) M.A. – Hindi

(g) M.A.- Child Psychology & Child Development

(h) M.A.- English

POSTGRADUATE DIPLOMA PROGRAMMES

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

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

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

Ph.D.

Geography

B.A. PROGRAMME

The following B.A. programmes are offered:

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

#Third Year under Self-financed Programme

The B.A. programme is structured into following four components (Ref:AO3.1.2)

- **Component A:**

Under this component as per the choice of subject/s students can choose any one of three options:

Option I: Single Major: A student shall choose any one subject from those stated above, as Major.

Option II: Major-Minor: A student shall choose any two subjects from those stated above, one subject as Major and the other as Minor.

Option III: Double Major: A student shall choose any two subjects from those stated above as Major.

A student has to complete 92 credits under this component.

- **Component B:** A student has to complete 28 Credits under this component.
- **Component C:** A student has to complete 6 Credits under this component. The activities are: NCC or NSS, Performing Art or Music and Sports. These activities are mandatory for students.

- **Component D:** This consists of internship of 4 credits. The duration of internship is a minimum of four weeks. Students can choose to do their internship during any of the first four semester breaks of their studentship.

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.

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 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-1.4: 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.

The interdisciplinary courses offered under the old course structure may also be provided as generic elective courses under the current structure.

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 20 Credits) are courses in: (i) Language, (ii) Academic Writing, (iii) Research Writing, (iv) Statistical Methods/ Elements of Basic Statistics and (v) 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		CREDIT S	SUBJECT SPECIFIC COURSES	Major (Core) + Project	Mino r	Elective (Major/ Generic)
Component A (92 Credits)	CHOICE 1 : Single Major	32+4	8 Core Courses (Major) + Project Paper	8 + 1		
		48	12 Elective Courses (Major)			12
		8	2 Generic Elective Courses			2
	CHOICE 2 : Major - Minor	32+4	8 Core courses (Major) + Project Paper	8 + 1		
		24	6 Elective Courses (Major)			6
		24	6 Core Courses (Minor)		6	
		8	2 Generic Elective Courses			2
	CHOICE 3 : Double Major	32+4	8 Core Courses (Major-1) + Project Paper	8 + 1		
		32	8 Core Courses (Major-2)	8		
		16	2 Elective Courses (Major-1) + 2 Elective Courses(Major-2)			4
		8	2 Generic Elective Courses			2
	STRUCTURE		CREDIT S	FOUNDATION COURSES	Compulsory	
Component B (28 Credits)	Foundation Courses	4	Language	1		
		4	Academic Writing (AW)	1		
		4	Research Writing (RW)	1		
		4	*Statistical Methods/ (SM) **Elements of Basic Statistics	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 (6 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	Internship	4	Internship (Minimum One Month / 120 Contact Hours)	1	
* Statistical Methods (For Economics, Geography, Psychology, Botany, Biotechnology, Biochemistry, Chemistry, Computer Science, Geology, Mathematics, Physics and Zoology) ** Elements of Basic Statistics (For English, French, Hindi, Konkani, Marathi, History, Philosophy and Sociology)					

II
A. BACHELOR OF ARTS – B.A
ENGLISH

SEMESTER	CORE COURSES		ELECTIVE COURSES				
I	ENG-I.C-1 Understand- ing Poetry & Drama	ENG-I.C-2 History of English Literature from Fifth Century to the Eighteenth Century	----	----	----	----	----
II	ENG-II.C-3 Understand- ing Fiction	ENG-II.C-4 An Introductio n to Linguistics & Stylistics	----	----	----	----	----
III	ENG-III.C-5 Contempora ry Indian English Literature	----	ENG-E-12 Women's Writing in India	ENG- E-2 American Literature of the Twentieth Century	ENG-E-3 Writing for the Media SEC 1	ENG-E-4 New Literatures in English	ENG-E-6 Creative Writing SEC II
IV	ENG-IV.C- 6 Literary Criticism	----	ENG-E-5 The Literature of the Indian Diaspora	ENG-E-6 Creative Writing SEC II	ENG-E-7 Visual Literature	ENG-E-16 World Literature	ENG-E-3 Writing for the Media SEC I
V	ENG-V.C-7 Nineteenth Century English Literature	-----	ENG-E-9 Shakespeare Today	ENG-E-10 Ancient Indian Classics in Translation / ENG-E-17 Modern Indian Translation	ENG-E-11 Film Studies	ENG-E-1 Goan Literature & Culture	----

VI	ENG-VI. C-8 Twentieth Century English Literature	-----	ENG-E-13 English Language and Literature Teaching	ENG-E-14 Latin American Literature	ENG-E-15 Contemporar y Literary Theory	ENG-E-8 Representatio n of Gender & Sexuality in Literature	-----
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SEMESTER	FC-OPTIONAL
I	Effective English Communication (Arts Stream)
II	Effective English Communication (Science Stream)

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-III.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 Level 2 Part 2	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

SEMESTR	CORE COURSES		ELECTIVE COURSES			
Semester I	HIN -I.C-1 हिन्दीकहानीएवंशब्द साधन (Hindi story and ShabdaSadhan)	HIN -I.C-2 हिन्दीकविताएवंका व्यसौंदर्य (Hindi poetry and kavya Soundarya)	-	-	-	-
Semester II	HIN -II.C-3 हिन्दीनाटक: वृत्तचित्रएवंफीचरफिल्म(study of Hindi drama, Documentary and Feature film)	HIN -II.C-4 हास्य- व्यंग्यनिबंधएवंपत्रकारिता (Haasya – Vyangya Essay and journalism)	-	-	-	-
Semester III	HIN-III C-5 हिन्दीसाहित्यकाइतिहास (आदिकाल, भक्तिकाल एवंरीतिकाल) (History of Hindi literature Adi, Bhakti & Ritikaal)	-	HIN-III E-1 प्रयोजनमूलकहिन्दी: अनुवादएवंपत्रलेखन (Functional Hindi : Translation and Letter Writing)	HIN-III E-2 मध्यकालीनकाव्य (चयनितकविताएँ) (Medieval Poetry-selective poems)	HIN-III E-3 हिन्दीमहिलालेखन(Hindi MahilaLekhan)	HIN-III E-4 हिन्दीदलितलेखन (study of Hindi Dalit lekhan)
Semester IV	HIN-IV.C-6 हिन्दीसाहित्यकाइतिहास (आधुनिककाल) (History of Hindi literature – modern era)	-	HIN-IV.E-5 हिन्दीपत्रकारिता: मुद्रितएवंइलेक्ट्रॉनिक (Hindi Journalism - Print and Electronic Media)	HIN-IV.E-6 विशेषअध्ययन: सूर्यकांतत्रिपाठीनिराला (special study of poet – Suryakant Tripathi Nirala)	HIN-IV.E-7 विशेषअध्ययन: हिन्दीकहानी (Special study of Hindi Story)	HIN-IV.E-8 हिन्दीसाहित्यका आस्वादनएवंसमीक्षा (कविता, कहानीएवंउपन्यास) (Appreciation of Hindi Literature and review of poems, stories and novels)
Semester V	HIN-V.C-7 भारतीयकाव्यशास्त्र (Indian poetics)	-	HIN-V. E-9 कथेत्तरगद्यसाहित्य: रेखाचित्रसंस्मरण, यात्रा वृत्तांत, आत्मकथाएवंजीवनी (किसीविधाकीएकपाठ्यपुस्तक) Kathetargadyasahit ya :Rekhachitra, sansmaran, yatra vrutaant, atmakathaevamjivni	HIN-V.E-10 विशेषअध्ययन: हिन्दीउपन्यास (A study of Hindi Novel)	HIN-V.E-11 मीडियालेखन: रेडियोएवंटेलीविजन Media writing – Radio and Television	HIN-V.E-12 हिन्दीनाटक(Hindi Drama)

Semester VI	HIN-VI.C-8 पाश्चात्यकाव्यशास्त्र (western poetics)	-	HIN-VI.E-13 हिंदीनिबंध (Hindi essay)	HIN-VI.E-14 भाषाविज्ञान (linguistics)	HIN-VI.E-15 हिंदीभाषा, लिपि एवंव्याकरण (Hindi language, script and grammar)	HIN-VI.E-16 साहित्यका अंतरा नुशासनात्मक अ ध्ययन (Sahitya ka Antaranushasna tmakAdhayayn)
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OPTIONAL PAPER

Semester I/II	FC-HIN.1 भाषाकौशल (Skills of language)
-	FC-HIN.2 व्यावहारिक हिन्दी (Functional/ Vyavaharik Hindi)

SKILL ENHANCEMENT COURSE

Semester-III	HIN-III.SEC-1 हिन्दीपथनाट्य (नुक्कड़नाटक) (Hindi Street Play)
Semester-IV	HIN-IV.SEC-2 हिन्दीएकांकी (Hindi One act Play)

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 ShennoyGoemba 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 निबंदाचोखाशे लोअभ्यास (Study of Konkani Essays)	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 रेचोसमाजीकअभ्या स (Social Study of Selected Konkani Novel)	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 (Konkani Teaching Methodology)	KON-VI.E-14 अर्विल्ल्या प्रसारमाध्यमांचो अभ्यास (Study of Modern Medias)	KON-VI.E-15 कोंकणी लिप्यंतरीतसाहि त्याचो अभ्यास (कन्नडआनीरोमी लिपींतल्यान) Study of Transliterated Konkani Literature (From Kannada and Romi Script)	KON-VI.E-16 अनुवाद अभ्यास (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			
I	MAR-I.C-1 मराठीकथा : स्वरूपआणिउप योजन (1945 – 2000)	MAR-I.C-2 आधुनिकमराठीक विता : स्वरूपवउपयोजन (आरंभते2000)	-	-	-	-
II	MAR-II.C-3 मराठीकादंबरी : स्वरूपवउपयोज न (1945-2000)	MAR-II.C-4 मराठीनाटक : स्वरूपवउपयोजन (1950 - 2000)	-	-	-	-
III	MAR-III.C-5 काव्यशास्त्र (भारतीयवपाश्चा त्य)	-	MAR- III.E-1 प्राचीनमराठीवाङ्म य (प्रारंभ – 1650)	MAR- III.E-2 मराठीललितग द्यःस्वरूपआणि उपयोजन	MAR- III.E-3 साहित्याभिरूची चेस्वरूप	MAR- III.E-4 गोमंतकीयमराठीसाहि त्यः समीक्षाआणिसंशोधन (कविता, कथा, कादंबरी, बालसाहित्य)
IV	MAR-IV.C-6 रसविचारआणिस मीक्षाविचार	-	MAR-IV.E-5 प्राचीनमराठीवाङ्म य (1651 – 1818)	MAR- IV.E-6 प्रवासवर्णन : एकअभ्यास	MAR-IV.E-7 कार्यक्रमसंयोज नवसंचालनकौ शल्य	MAR-IV.E-8 गोमंतकआणिकोकण याप्रदेशातीललोकक ला
V	MAR-V.C-7 व्याकरण	-	MAR- V.E-9 मराठीवाङ्मयाचेसां स्कृतिकस्वरूप	MAR- V.E-10 आत्मचरित्र : साहित्यप्रकार आणिउपयोजन	MAR- V.E-11 पत्रकारिता : स्वरूपआणिकौ शल्ये	MAR- V.E-12 भाषिककौशल्येआणि व्यक्तिमत्त्वविकास
VI	MAR-VI.C-8 भाषाविज्ञान	-	MAR- VI.E-13 मुक्तीपूर्वगोमंतकी यमराठीवाङ्मय	MAR- VI.E-14 मराठीप्रादेशिक कादंबरी : स्वरूपआणिउप योजन	MAR- VI.E-15 भाषांतरविद्या	MAR- VI.E-16 माहितीपट (डॉक्युमेंटरी) : लेखनआणिउपयोजन

FOUNDATION COURSES

1.	व्यवहारिकमराठी	Optional	B.A. (MARATHI)
2.	मराठीवाचनलेखनआणिसंभाषणकौशल्ये	FC	B.A. (MARATHI)

INTERDISCIPLINARY PAPER

1	MAR.V.ID-1- मराठीपथनाट्य – स्वरूपआणिसादरीकरण	Interdisciplinary	B.A. (MARATHI)
2.	MAR-VI. ID-2- मराठीएकांकिका- स्वरूपआणिसादरीकरण	Interdisciplinary	B.A. (MARATHI)

ECONOMICS

SEMESTER	CORE COURSES		ELECTIVE COURSES				
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-8 Economics and Law	ECO-E-4 Regional Economics	ECO-E-19 Behavioral Economics	SEC ECO-E-14 Environmental Economics	
IV	ECO-IV.C- 6 Macro-economics		ECO-E-20 Research Methodology	ECO-E-3 Emerging Market Economies	ECO- E-15 Introduction to Industrial Economics	SEC ECO-E-7 Accounting for Non-accountants	SEC ECO-INT-4 Taxation for All
V	ECO-V.C-7 Public Economics	ECO-V/VI.C-9 Project	ECO-E-9 Introduction to Econometrics	ECO-E-1 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-10 Introduction to Operations Research for Economists	ECO-E-2 Economics of Foreign Exchange	ECO- E-16 Financial Economics	ECO-E-17 Macroeconomic Analysis	

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

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: Socio-Economic Survey	GEG- E2: Field Survey in Physical Geography	GEG- E3: Participatory Rapid Appraisal Techniques	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: Regional Geography of India	GEG- E8: Regional Geography of USA
V	GEG-V.C7: Geomorphology: Landforms and Processes		GEG- E9: Geography of Climate Change	GEG- E10: Oceans : Issues and Challenges	GEG- E11: Geography of Rural Settlements	GEG- E12: Geography of Urban Settlements
VI	GEG-VI.C8: Geography of Population Growth		GEG- E13: Introduction to Regional Planning	GEG- E14: Fundamentals of Economic Geography	GEG- E15: Geography of Tourism	GEG- E16: Quantitative Techniques in Geography

HISTORY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
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	-	-	-	-
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, Persia, 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 1856	-	HIS.E-9 History of Modern China and Japan (1839-1949)	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-03 Philosophy of Existentialism in literature and Film
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-V.I-2 Philosophy and Films	PHI.INT-01 Current Ethical Issues
IV	PHI-IV.C-6 Orthodox Indian Philosophy	-	PHI-IV.E-6 Political Philosophy	PHI-IV.E-7 Philosophy of Human Rights	PHI-IV.E-8 Eco-Philosophy	PHI-V.E-9 Philosophy of Science	PHI-SEC-21 Practical Logic	PHI-V.I-2 Philosophy and Films
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-IV.E-8 Eco-Philosophy
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-IV.E-5 Problems of Philosophy	PHI-VI.E-14 Vedanta 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	
SEM	INTERDISCIPLINARY COURSES						
V/ VI	PSY-INT-1 Business Psychology		PSY-INT-2 Sports Psychology		PSY-INT-3 Environmental Psychology		

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

SOC-SEC – Teaching Learning: Theory and Practice

MATHEMATICS

Course Structure for Mathematics Major

SEMESTER	CORE COURSES		Elective-I	Elective-II	Elective-III	Elective-IV	Elective-V
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	
IV		Linear Algebra	Advanced Analysis	Number Theory-II	Cryptography	Probability Theory	Logic and Boolean Algebra
V		Functions of Several Variables	Metric Spaces	Differential Equations-II	Graph Theory	Pedagogy of Mathematics	Operations Research II
VI		Vector Analysis	Complex Analysis	Abstract Algebra - II	Computational Linear Algebra	Computers for Mathematics	

Semester	Skill Enhancement Course
Sem III	Differential Equations-I
Sem IV	Operations Research-I

Course Structure for Mathematics Minor

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

III

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.

ADMISSION

How to apply:

To apply for admission, please visit our college website www.chowgules.ac.in and for further details Contact Person: Mr. Harish Nadkarni, Vice Principal
email: hsn001@chowgules.ac.in and admission@chowgules.ac.in

Documents required:

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

a. For Goa Board students:

1. Two photocopies of qualifying examination mark sheets (XIIth).
2. Two photocopies of Leaving Certificate.
3. Two recent photographs.

b. For other Board/Universities students:

1. Two photocopies of qualifying examination mark sheets (XIIth).
2. Original as well as two photocopies of Transfer/Leaving certificate.
3. Original as well as two photocopies of Migration certificate.
4. Provisional Eligibility Certificate from Chowgule college.
5. Two recent photographs

c. For International students:

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

1. Four photocopies of qualifying examination mark sheets /XIIth.
2. Two Photographs.
3. Two photocopies of Student Visa.

4. Two photocopies of Passport.
5. Original AIDS Test Report.
6. Certificate of proficiency in English.
7. Equivalence Certificate.
8. Resident Permit and 'C' Form.

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

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: Prof. Nandkumar N. Sawant

Email: mns001@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: Mrs. Sharmila Menezes

Email: ssm004@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. Sharmila Menezes

Email: ssm004@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: Mrs. Sharmila Menezes

Email: ssm004@chowgules.ac.in
counseling@chowgules.ac.in

d. School of Foreign Languages

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

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

Contact Person: Ms. Caroline Quadros

Email: cmq000@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 & SPORTS 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: 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). Sameena Fernandes e Falleiro

Email: ctl@chowgules.ac.in

HOSTEL

Accommodation with basic facilities is available for boys and girls. For more details, please contact Mr. Sanjaya Kumar Swain on 9373139610 or email at sks003@chowgules.ac.in

V 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
- If a card is lost, a new one can be procured at a cost of Rs. 350/- The cost of lanyard is an additional Rs 20/-

Campus Discipline and Conducive Environment

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

Computers Usage Rules

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

Vehicle Parking Rules

The College is not responsible for the safety of vehicles parked at the vehicle parking area of the college. Persons must vacate the parking space after parking the vehicles. 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.

Important Note

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



Address: Fatorda, Margao, Goa-403602. Phone: 0832-2722222.
Website: www.chowgules.ac.in



Parvatibai Chowgule College of Arts and Science Autonomous

Accredited by NAAC with Grade A (CGPA Score 3.41 on a 4 Point Scale 3rd Cycle)

Best affiliated College-Goa University Silver Jubilee Year Award.

Awarded DBT Star College, NIRF Rank 151 - 200 (2019)



Bachelor of Science (B.Sc.)

Prospectus

2021-2022

I

ABOUT THE COLLEGE

INTRODUCTION

ParvatibaiChowgule 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. ParvatibaiChowgule College is accredited by NAAC with Grade 'A' (CGPA of 3.41 on a 4-point scale in the 3rd 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 June2014, this college became the first autonomous college in the State of Goa. The college was ranked in the Rank Band of 100-150 band, for NIRF 2018 and in the Rank Band of 150-200 for NIRF 2019 by Ministry of Human Resource Development (MHRD), Govt. of India. 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.

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 Vocation streams. Today, the College offers twenty-three undergraduate and eight post-graduate 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, Geography, 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 Applied Economics, 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. A total of 44 research projects and grants were received by the faculty for the past 05 years from various funding bodies such as UGC, DST, SERB, ICSSR, DHE-DST, GFD etc. College has 31 MoUs, including 10 international institutions and more than 203 linkages for facilitating research and encouraging industry-academia research initiatives and internships for students.

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, Student Support Services and Centralized Printing Facilities.

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.

PROGRAMMES OFFERED BY THE COLLEGE

UNDERGRADUATE PROGRAMMES

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

The various programmes offered at undergraduate level in the Arts Stream are:
English, French, Hindi, Konkani, Marathi, Economics, Geography, History, Mathematics, Philosophy, Psychology, and Sociology.

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

Programmes in the Science Stream are: *Biochemistry, Biotechnology, Botany, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics and Zoology.*

(c) Bachelor of Vocation (B.Voc)

Programme in B.Voc. Stream is *Software development*

POSTGRADUATE PROGRAMMES

(a) M.Sc. - Information Technology

(b) M.Sc. - Analytical Chemistry

(c) M.Sc. - Geoinformatics

(d) M.A. - Geography

(e) M.A. - Applied Economics

(f) M.A. - Hindi

(g) M.A.- Child Psychology & Child Development

(h) M.A.- English

POSTGRADUATE DIPLOMA PROGRAMMES

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

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

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

Ph.D.

Geography

B.Sc. PROGRAMME

The following B.Sc. programmes are offered:

- Biotechnology*
- Biochemistry*
- Botany
- Chemistry
- Computer Science
- Geography#
- Geology
- Mathematics
- Physics
- Zoology

*Offered under Self-financed Programmes

#Third Year under Self-financed Programme

The B.Sc. programme is structured into following four components (Ref:AO 3.1.2)

- **Component A:**

Under this component as per the choice of subject/s students can choose any one of the following options:

Option I: Single Major: A student shall choose any one subject from those stated above, as Major.

Option II: Major–Minor: A student shall choose any two subjects from those stated above, one subject as Major and the other as Minor.

A student has to complete 92 credits under component A

- **Component B: A student has to complete 28 Credits under this component.**
- **Component C:** A student has to complete 6 Credits under this component. The activities are: NCC or NSS, Performing Art or Music and Sports. These activities are mandatory for students.
- **Component D:** This consists of internship of 4 credits. The duration of internship is a minimum of four weeks. Students can choose to do their internship during any of the first four semester breaks of their studentship.

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.

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 Science shall be as follows.

AO-1.1: 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 Year 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 School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in the Vocational stream in the subjects notified by the University under this clause from time to time, OR (iii) Std XII (Science) or similar examination of any 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.

AO-1: 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: 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 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 20 Credits) are courses in: (i) Language, (ii) Academic Writing, (iii) Research Writing, (iv) Statistical Methods/ Elements of Basic Statistics and (v) 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		CREDIT S	SUBJECT SPECIFIC COURSES	Major (Core) + Project	Mino r	Elective (Major/ Generic)
Component A (92 Credits)	CHOICE 1 : Single Major	32+4	8 Core Courses (Major) + Project Paper	8 + 1		
		48	12 Elective Courses (Major)			12
		8	2 Generic Elective Courses			2
	CHOICE 2 : Major - Minor	32+4	8 Core courses (Major) + Project Paper	8 + 1		
		24	6 Elective Courses (Major)			6
		24	6 Core Courses (Minor)		6	
		8	2 Generic Elective Courses			2
	CHOICE 3 : Double Major	32+4	8 Core Courses (Major-1) + Project Paper	8 + 1		
		32	8 Core Courses (Major-2)	8		
		16	2 Elective Courses (Major-1) + 2 Elective Courses(Major-2)			4
		8	2 Generic Elective Courses			2
	STRUCTURE		CREDIT S	FOUNDATION COURSES		Compulsory
Component B (28 Credits)	Foundation Courses	4	Language	1		
		4	Academic Writing (AW)	1		
		4	Research Writing (RW)	1		
		4	*Statistical Methods/ (SM) **Elements of Basic Statistics	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 (6 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	Internship	4	Internship (Minimum One Month / 120 Contact Hours)	1	
* Statistical Methods (For Economics, Geography, Psychology, Botany, Biotechnology, Biochemistry, Chemistry, Computer Science, Geology, Mathematics, Physics and Zoology) ** Elements of Basic Statistics (For English, French, Hindi, Konkani, Marathi, History, Philosophy and Sociology)					

II
A. BACHELOR OF SCIENCE – B.Sc.
BIOTECHNOLOGY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	BIO-I.C-1 Bio molecules	BIO-I.C-2 Cell Biology	-----	-----	-----	-----
II	BIO-II.C-3 Fundamental Genetics	BIO-II.C-4 Basic Microbiology	-----	-----	-----	-----
III	BIO-III.C-5 Molecular Biology		BIO-III.E-1 Basics of Plant and Animal Sciences	BIO-III.E-2 Metabolism of Biomolecules	BIO-III.E-3 Biostatistics	BIO-III.E-4 Enzymology
IV	BIO-IV.C-6 Immunology		BIO-IV.E-5 Plant and Animal Physiology	BIO-IV.E-6 Tools & Techniques in Biotechnology	BIO-IV.E-7 Evolution and Anthropology	BIO-IV.E-8 Molecular genetics
V	BIO-V.C-7 Concepts in Genetic Engineering		BIO-V.E-9 Molecular medicine	BIO-V.E-10 Environmental Biotechnology	BIO-V.E-11 Plant Biotechnology	BIO-V.E-12 Bioinformatics
VI	BIO-VI.C-8 Industrial Biotechnology		BIO-VI.E-13 Bioethics and Bio-safety	BIO-VI.E-14 Advanced Cell Biology	BIO-VI.E-15 Food Biotechnology	BIO-VI.E-16 Animal Cell Culture

GEC : Mushroom Cultivation and Vermicomposting Technology

SEC : Food and Fermentation Technology

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-5 Metabolism of Biomolecules		BCH-III.E-1 Tools & Techniques in Biochemistry	BCH-III.E-2 Enzymology	BCH-III.E-3 Fundamentals of Microbiology	BCH-III.E-4 Plant Biochemistry
IV	BCH-IV. C-6 Immunology		BCH-IV.E-5 Human Physiology	BCH-IV.E-6 Nutritional Biochemistry	BCH-IV.E-7 Endocrinology	BCH-IV.E-8 Advanced Cell Biology
V	BCH-V.C-7 Molecular biology		BCH-V.E-9 Concepts of Genetics	BCH-V.E-10 Regulation of Gene Expression	BCH-V.E-11 Industrial Biochemistry	BCH-V.E-12 Bioinformatics
VI	BCH-VI.C-8 Clinical Biochemistry		BCH-VI.E-13 Introduction to Pharmacology	BCH-VI.E-14 Food Biochemistry	BCH-VI.E-15 Genetic Engineering and Biotechnology	BCH-VI.E-16 Environmental Chemistry

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

SEC – Basics in Horticulture

CHEMISTRY

SEMESTER	CORE COURSES		ELECTIVE COURSES				
I	CHE-I. C-1 General Physical and Inorganic Chemistry	CHE-I. C-2 General Organic and Inorganic 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 & 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 & Inorganic Chemistry)	---	CHE- V.E-9 Heterocyclic Chemistry	CHE- V.E-10 Nanomaterials and Solid State Chemistry	CHE- V.E-11 Organometallic 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	---	---

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 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 Data Base Management System II	COM-E-11 Introduction to Data Science	COM-E-12 Software Testing
VI	COM-VI.C-8 * Computer Networks	---	COM-E-13 Network Security	COM-E-14 Cloud Computing	COM-E-15 Multimedia Techniques	COM-E-16 Digital Marketing

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

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

GEOGRAPHY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	GEG-I.SC1: Introduction to Geography	GEG-I.SC2: Fundamentals of Physical Geography				
II	GEG-II.SC3: Basics of Human Geography	GEG-II. SC4: Basics of Regional Geography				
III	GEG-III. SC5: Fundamentals of Remote Sensing and GIS		GEG-SE1: Spatial Analysis	GEG-SE2: Raster and Vector Data Models in GIS	GEG-SE3: Participatory GIS	GEG-SE4: Applied GIS
IV	GEG-IV. SC6: Fundamentals of Geomorphology		GEG-SE5: Coastal Geomorphology	GEG-SE6: Fluvial Geomorphology	GEG-SE7: Watershed Management	GEG-SE8: Biogeography
V	GEG-V. SC7: Introduction to Climatology		GEG-SE9: Geography of Soil Studies	GEG-SE10: Agro- Meteorology: Principles and Applications	GEG-SE-11: Field Survey in Physical Geography	GEG-SE12: Quantitative Techniques in Geography
VI	GEG-VI. SC8: Ecology and Terrestrial Environment		GEG-SE13: Remote Sensing and Forest Ecology	GEG-SE14: Advanced Coastal Geomorphology	GEG-SE15: Ecology of Estuarine Environment	GEG-SE16: Disaster Management: Urban and Coastal

GEOLOGY

SEM	CORE COURSES		ELECTIVE COURSES				SEC
I	GEL-I.C-1 Fundamentals of Mineralogy	GEL-I.C-2A Earth's Dynamics and Tectonics	----	----	----	----	
II	GEL-II.C-3A Elementary Petrology	GEL-II.C-4 Principles of Stratigraphy and Paleontology	----	----	----	----	
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-1 Operational Geology and 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-14A Rock Structures and Deformation Microstructures	GEL-VI.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: Geochemistry and Systematic Mineralogy

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				
I	PHY-I.C-1 Introduction to Mathematica I 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-E-8 Instrumentation
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	-----
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 [2020-2021]

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) [2020-2021]

Semester	Course Title	Course code when offered as Generic Elective Course
I	Mechanics I	PHY-GEC-1
II	Heat and Thermodynamics	PHY-GEC-2
III	Oscillations, Waves and Sound	PHY-GEC-3
IV	Properties of Matter and Acoustics	PHY-GEC-4

ZOOLOGY

SEMESTER	CORE COURSES		ELECTIVE COURSES			
I	ZOO-I.C-1 Animal Diversity: Non Chordates	ZOO-I.C-2 Cell and Molecular Biology	---	---	---	---
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 Endocrinology	ZOO-III. E-2 Basic Microbiology and Fundamentals of Animal Biotechnology	ZOO-III.E-3 Environmental 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 Immunology	ZOO-IV.E-8 Evolutionary Biology
V	ZOO-V.C-7 Developmental Biology		ZOO-V.E-9 Molecular Genetics and Forensic Science	ZOO-V.E-10 Economic Zoology	ZOO-VI. E-11 Basic and Applied Entomology	ZOO-V.E-12 Fish Preservation and Processing
VI	ZOO-VI.C-8 Wildlife Biology	---	ZOO-VI.E-13 Health and Nutrition * ZOO-VI.GE-1 Health and Nutrition	ZOO-V. E-14 Ecology and Ethology	ZOO-VI.E-15 Laboratory Techniques in Pathology	ZOO-VI.E-16 Bio Entrepreneurship ** ZOO-III.SE-2 Bio-Entrepreneurship

**** Skill Enhancement Courses (SEC)**

III

C. CREDITS FOR EXTRA CURRICULAR SUBJECTS/ACTIVITIES

The following categories of extra-curricular subjects are available to students under the undergraduate curriculum of ParvatibaiChowgule 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.

ADMISSION

How to apply:

To apply for admission, please visit our college website www.chowgules.ac.in and for further details Contact Person: Mr. Harish Nadkarni, Vice Principal
email: hsn001@chowgules.ac.in and admission@chowgules.ac.in

Documents required:

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

a. For Goa Board students:

1. Two photocopies of qualifying examination mark sheets (XIIth).
2. Two photocopies of Leaving Certificate.
3. Two recent photographs .

b. For other Board/Universities students:

1. Two photocopies of qualifying examination mark sheets (XIIth).
2. Original as well as two photocopies of Transfer/Leaving certificate.
3. Original as well as two photocopies of Migration certificate.
4. Provisional Eligibility Certificate from Chowgule college.
5. Tworecent photographs

c. For International students:

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

1. Four photocopies of qualifying examination mark sheets/XIIth.
2. Two Photographs.
3. Two photocopies of Student Visa.

4. Two photocopies of Passport.
5. Original AIDS Test Report.
6. Certificate of proficiency in English.
7. Equivalence Certificate.
8. Resident Permit and 'C' Form.

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

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: Prof. Nandkumar N. Sawant

Email: mns001@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: Mrs. Sharmila Menezes

Email: ssm004@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. Sharmila Menezes

Email: ssm004@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: Mrs. Sharmila Menezes

Email: ssm004@chowgules.ac.in
counseling@chowgules.ac.in

d. School of Foreign Languages

School of Foreign Languages at ParvatibaiChowgule 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. Caroline Quadros

Email: cmq000@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 & SPORTS 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: 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: [dzb001@chowgules.ac.in](mailto: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). Sameena Fernandes e Falleiro

Email: ctl@chowgules.ac.in

HOSTEL

Accommodation with basic facilities is available for boys and girls. For more details, please contact Mr. Sanjaya Kumar Swain on 9373139610 or email at sks003@chowgules.ac.in

V 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
- If a card is lost, a new one can be procured at a cost of Rs. 350/- The cost of lanyard is an additional Rs 20/-

Campus Discipline and Conducive Environment

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

Computers Usage Rules

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

Vehicle Parking Rules

The College is not responsible for the safety of vehicles parked at the vehicle parking area of the college. Persons must vacate the parking space after parking the vehicles. 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.

Important Note

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



Address: Fatorda, Margao, Goa-403602. Phone: 0832-2722222.
Website: www.chowgules.ac.in



Parvatibai Chowgule College of Arts and Science Autonomous

Accredited by NAAC with Grade A (CGPA Score 3.41 on a 4 Point Scale 3rd Cycle)

Best affiliated College-Goa University Silver Jubilee Year Award.

Awarded DBT Star College, NIRF Rank 151 - 200 (2019)



Bachelor of Vocation
(Software Development)

Prospectus

2021-2022

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 3.41 on a 4-point scale in the 3rd 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. The college was ranked in the Rank Band of 100-150 band, for NIRF 2018 and in the Rank Band of 150-200 for NIRF 2019 by Ministry of Human Resource Development (MHRD), Govt. of India. 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.

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 Vocation streams. Today, the College offers twenty-three undergraduate and eight post-graduate 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, Geography, 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 Applied Economics, 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. A total of 44 research projects and grants were received by the faculty

for the past 05 years from various funding bodies such as UGC, DST, SERB, ICSSR, DHE-DST, GFD etc. College has 31 MoUs, including 10 international institutions and more than 203 linkages for facilitating research and encouraging industry-academia research initiatives and internships for students.

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, Student Support Services and Centralized Printing Facilities.

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.

PROGRAMMES OFFERED BY THE COLLEGE

UNDERGRADUATE PROGRAMMES

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

The various programmes offered at undergraduate level in the Arts Stream are: *English, French, Hindi, Konkani, Marathi, Economics, Geography, History, Mathematics, Philosophy, Psychology, and Sociology.*

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

Programmes in the Science Stream are: *Biochemistry, Biotechnology, Botany, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics and Zoology.*

(c) Bachelor of Vocation (B.Voc)

Programme in B.Voc. Stream is *Software development*

POSTGRADUATE PROGRAMMES

- (a) M.Sc. - Information Technology
- (b) M.Sc. - Analytical Chemistry
- (c) M.Sc. - Geoinformatics
- (d) M.A. - Geography
- (e) M.A. - Applied Economics
- (f) M.A. - Hindi
- (g) M.A.- Child Psychology & Child Development
- (h) M.A.- English

POSTGRADUATE DIPLOMA PROGRAMMES

- (a) Post Graduate Diploma in Computer Application (P.G.D.C.A)
- (b) Post Graduate Diploma in Geoinformatics (P.G.D.G.I.S.)
- (c) Post Graduate Diploma in Clinical Genetics and Medical Laboratory Techniques
(P.G.D.C.G.M.L.T.)

Ph.D.

Geography

B.Voc. PROGRAMME (Software Development)

AO-6.1. Introduction

The University Grants Commission (UGC) launched a scheme on Skill Development based higher education as part of college/university education, leading to Bachelor of Vocation (B.Voc.) Degree with multiple exits such as Certificate/Diploma/Advanced Diploma under the National Skills Qualifications Framework (NSQF) in 2013. Subsequent to these changes have been made time to time in 2015 by the UGC and The Goa University in February, 2021.

The College has been successfully running B.Voc in Software Development from the Academic Year 2017-18.

The B.Voc. programme is focused on universities and colleges providing undergraduate studies, which would also incorporate specific job roles along with broad based general education. This would enable the graduates completing B.Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

The curriculum has been planned in a way so as to provide judicious mix of skills relating to a profession and appropriate content of General Education. To ensure that the students have adequate knowledge and skills, so that they are work-equipped at each exit point of the Programme. To provide flexibility to the students by means of pre-defined entry and multiple exit points. To integrate National Skill Quality Framework (NSQF) within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. Such graduates, apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce. The higher

education system has to incorporate the requirements of various industries in its curriculum, in an innovative and flexible manner while developing a holistic and well-groomed graduate. Therefore, this programme also includes On the Job Training/ Internships and Project work as part of its curriculum.

AO-6.2. OBJECTIVES

- To provide judicious mix of skills relating to a profession and appropriate content of General Education.
- To ensure that the students have adequate knowledge and skills, so that they are ready to work at each exit point of the programme.
- To provide flexibility to the students by means of pre-defined entry and multiple exit points.
- To integrate NSQF within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements.
- Such graduates apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce.
- To provide vertical mobility to students coming out of 10+2 with vocational subjects.

AO-6.3. NOMENCLATURE OF THE COURSE

The nomenclature of the course shall be Certificate/Diploma/Advanced Diploma/B.Voc Degree in Programmes (as decided from time to time) depending on the Exit level of the course. This is also indicated in section AO-6.4. The Programmes shall be in keeping with NSQF.

AO-6.4. DURATION AND NSQF LEVEL OF THE PROGRAMME

The duration of the Programme shall be as given in the table below:

NOMEN CLATUR E	DURATIO N	NSQF LEVEL
Certificat e	One Semester	Level 4
Diploma	Two Semesters	Level 5
Advanced Diploma	Four Semesters	Level 6
B. Voc Degree	Six Semesters	Level 7

AO-6.5. Eligibility

AO-6.5.1 ELIGIBILITY FOR ADMISSION TO SEMESTER-I

Any candidate who has passed the HSSC or its equivalent, in any stream from Goa Board of Secondary and Higher Secondary Education or equivalent is eligible for admission to the First Semester.

AO-6.5.2: ELIGIBILITY FOR ADMISSION TO SEMESTER-II, III, IV, V AND VI

- (a) A student will be eligible to be admitted to each of the semester on completion of the previous semester.
- (b) A student will be allowed to undertake a Skill Course (SK) having a prerequisite only if he/she has attained at least the grade P in the specified prerequisite course/s.

AO-6.7. PROGRAMME STRUCTURE

The B.Voc. Programme shall comprise credits for Skill-based Courses and General Education as per the following table:

NOMENCLATURE	DURATION	SKILL-BASED CREDITS	GENERAL EDUCATION CREDITS	TOTAL CREDITS
Certificate	One Semester	18	12	30
Diploma	Two Semesters	36	24	60
Advanced Diploma	Four Semesters	72	48	120
B.Voc. Degree	Six Semesters	108	72	180

The following Table shows the composition of General and Skill Components as per the NSQF Level:

NSQF LEVEL	SKILL COMPONENT CREDITS	GENERAL EDUCATION CREDITS	TOTAL CREDITS FOR AWARD	NORMAL DURATION	EXIT POINTS / AWARDS
4	18	12	30	One Sem.	Certificate
5	36	24	60	Two Sem.	Diploma

6	72	48	120	Four Sem.	Advanced Diploma
7	108	72	180	Six Sem.	B.Voc Degree

One Credit shall be equivalent to 15 hours for theory, workshops/labs and tutorials, 30 hours for internship/field work and self-learning, based on e-content or such other.

Note : Laptop is compulsory for FY B.Voc Software Development

NSQF Level/ Semester	Course Code	Course Title		Course Credits
Level 4/ Semester I	General Education			
	CSD-GE1	Introduction To Programing	Theory	3
	CSD-GE2	Computer Organisation and Operating System	Theory	3
	CSD-GE3	Cyber Security	Theory	4
	CSD-GE4	Software Laboratory - I	Practical	2
	Skill Development Qualification Pack & On-Job-Training (OJT)			
	CSD-SK1	Junior Software Developer(SSC/Q0508)	Theory	7
			Practical	10
			OJT	1
Semester Total				30

NSQF Level / Semester	Course Code	Course Title		Course Credits
Level 5/ Semester II	General Education			
	CSD-GE5	Computer Networks	Theory	3
	CSD-GE6	Object Oriented Programing	Theory	3
	CSD-GE7	Academic Writing	Theory	4
	CSD-GE8	Software Laboratory – II	Practical	2
	Skill Development Qualification Pack & On-Job-Training (OJT)			
	CSD-SK2	Web Developer (SSC/Q0503)	Theory	7
			Practical	10
			OJT	1
Semester Total				30

NSQF Level / Semester	Course Code	Course Title		Course Credits
Level 6 / Semester-III	General Education			
	CSD-GE9	DataBase Management System	Theory	3
	CSD-GE10	Data Structures	Theory	3

	CSD-GE11	Environmental Studies	Theory	4
	CSD-GE12	Software Laboratory – III	Practical	2
	Skill Development Qualification Pack & On-Job-Training (OJT)			
	CSD-SK3	Media Developer (SSC/Q0504)	Theory	7
			Practical & OJT	10
			OJT	1
Semester Total				30

NSQF Level/ Semester	Course Code	Course Title	Course Credits	
Level 6/ Semester-IV	General Education			
	CSD-GE13	Software Engineering	Theory	3
	CSD-GE14	Web Development Framework	Theory	3
	CSD-GE15	Entrepreneurship	Theory	4
	CSD-GE16	Software Laboratory – IV	Practical	2
	Skill Development Qualification Pack & On-Job-Training (OJT)			
	CSD-SK4	UI Developer - (SSC/Q0502)	Theory	7
			Practical	10
			OJT	1

Total		30
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NSQF Level/ Semester	Course Code	Course Title	Course Credits	
Level 7/ Semester- V	General Education			
	CSD-GE17	Server Side Programing	Theory	3
	CSD-GE18	Software Testing	Theory	3
	CSD-GE19	Network Security	Theory	4
	CSD-GE20	Software Laboratory - V	Practical	2
	Skill Development Qualification Pack & On-Job-Training (OJT)			
	CSD-SK5	Software Developer - (SSC/Q0501)	Theory	6
			Practical	6
			Project	6
Total			30	

NSQF Level / Semester	Course Code	Course Title	Course Credits	
Level 7 / Semester- VI	General Education			
	CSD-GE21	Digital Marketing	Theory	3

	CSD-GE22	Mobile Application Development	Theory	3
	CSD-GE23	Cloud Computing	Theory	4
	CSD-GE24	Software Laboratory - VI	Practical	2
	Skill Development Qualification Pack (Any One) & On-Job-Training (OJT)			
	CSD-SK5	Software Developer - (SSC/Q0501)	Theory	6
			Practical	6
			Project	6
Total				30

NOTE: The above structure is subject to the agreement of the MoU by NASSCOM.

AO-6.8. SCHEME OF EXAMINATION

AO-6.8.1. MODES OF EVALUATION

Courses conducted in the B.Voc Programme 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 an end semester assessment.

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-6.8.2 PATTERN OF ASSESSMENT

Evaluation Scheme

- (i) The Skill component of the course will be assessed and certified by the respective Sector Skill Councils. In case, there is no Sector Skill Council for a specific trade, the assessment may be done by an allied Sector Council or the Industry partner. The certifying bodies may comply with and obtain accreditation from the National Accreditation Board for Certification Bodies (NABCB) set up under Quality Council of India (QCI). Wherever the College may deem fit, it may issue a joint certificate for the course(s) with the respective Sector Skill Council(s).
- (ii) The credits for the skill component will be awarded in terms of NSQF level certification which will have 60% weightage of total credits of the course in following manner.
- (iii) In case of any unavoidable circumstances, the college shall have the right to conduct and assess all the evaluations of the skill component on behalf of the sector skill council.

NAME OF THE COURSE	NSQF LEVEL CERTIFICATE	CUMULATIVE CREDITS
Certificate	Level - 4	18 credits
Diploma	Level - 5	36 credits
Advanced Diploma	Level - 6	72 credits
B.Voc. Degree	Level - 7	108 credits

III

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.

ADMISSION

How to apply:

To apply for admission, please visit our college website www.chowgules.ac.in and for further details Contact Person: Mr. Harish Nadkarni, Vice Principal
email: hsn001@chowgules.ac.in and admission@chowgules.ac.in

Documents required:

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

a. For Goa Board students:

1. Two photocopies of qualifying examination mark sheets (XIIth).
2. Two photocopies of Leaving Certificate.
3. Two recent photographs.

b. For other Board/Universities students:

1. Two photocopies of qualifying examination mark sheets (XIIth).
2. Original as well as two photocopies of Transfer/Leaving certificate.
3. Original as well as two photocopies of Migration certificate.
4. Provisional Eligibility Certificate from Chowgule college.
5. Two recent photographs

c. For International students:

International students applying directly for admission need to submit an application to the Principal stating their desire to seek admission along with their

Passing Certificate, Transcript of records, copy of syllabus containing details of course of studies pursued in various courses in the examination passed by the applicant (duly countersigned by High Commissioner of India in the country). If the student is found eligible, prima facie letter will be sent to the student for carrying out further necessary formalities. Following documents are required to be submitted:

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

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

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: Prof. Nandkumar N. Sawant

Email: nns001@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: Mrs. Sharmila Menezes

Email: ssm004@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. Sharmila Menezes

Email: ssm004@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: Mrs. Sharmila Menezes

Email: ssm004@chowgules.ac.in
counseling@chowgules.ac.in

d. School of Foreign Languages

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

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

Contact Person: Ms. Caroline Quadros

Email: cmq000@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 & SPORTS 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: 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: [dzb001@chowgules.ac.in](mailto: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). Sameena Fernandes e Falleiro
ctl@chowgules.ac.in

Email:

HOSTEL

Accommodation with basic facilities is available for boys and girls. For more details, please contact Mr. Sanjaya Kumar Swain on 9373139610 or email at sks003@chowgules.ac.in

V 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
- If a card is lost, a new one can be procured at a cost of Rs. 350/- The cost of lanyard is an additional Rs 20/-

Campus Discipline and Conducive Environment

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

Computers Usage Rules

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

Vehicle Parking Rules

The College is not responsible for the safety of vehicles parked at the vehicle parking area of the college. Persons must vacate the parking space after parking the vehicles. 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.

Important Note

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



Address: Fatorda, Margao, Goa-403602. Phone: 0832-2722222.
Website: www.chowgules.ac.in