

PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
CRITERION VI- GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.3 FACULTY EMPOWERMENT STRATEGIES

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes during the last five years
(Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.,) (10)

Name of teacher who attended	Title of the program	Duration (from - to) (DD-MM-YYYY)	No. of Teachers Year wise
Bareto Judith	UGC-Human Resource Development Centre, University of Calicut, Mallapuram, Kerala	10-08-2016 - 30-08-2016.	2016-17=10
Belurkar R	short term course- University of Mumbai	7-11-2016 - 12-11-2016.	
Sachin Moraes	Orientation Programme' -UGC-HRD Centre Goa University	05-01-2017 to 01-02-2017	
Sobita Kirtani	Orientation Programme-UGC-HRD Centre Goa University	05-01-2017 to 01-02-2017	
Fernandes Da Costa S	MOOC -SNDT Women's University - Dept. of Educational Technology	17-10-2016 to 04-10-2016	
Barreto Andrew	MOOC -SNDT Women's University - Dept. of Educational Technology	17-10-2016 to 04-10-2016	
D'Costa Eltrin	Reading and Writing Conflicts- Goa University	18-07-2016 to 29-07-2016	
Motankar Madhavi	STC- recombinant protein Production	20-06-2016 to 26-06-2016	
Devli Meghana	FTP- Geological mapping and Mineral Exploration by GSI Hyderabad	04-06-2016 to 10-06-2016	
Advilkar Sarika	EDP Training by ICT academy and RGNIYD	08-08-2016 to 12-08-2016	
Manjita R. Porob,	Refresher course- Chemistry-HRDC,Goa University, Goa	01-12-2017 to 21-12-2017.	2017-18=09
Lactina R. Gonsalves	Refresher course- Chemistry-HRDC,Goa University, Goa	01-12-2017 to 21-12-2017.	
Sachin B. Kakodkar	Refresher course- Chemistry-HRDC,Goa University, Goa	01-12-2017 to 21-12-2017.	
Andrew Barreto	Orientation Programme" -UGC-HRDC, Goa University, Goa	14-11-2017 to 11-12-2017	
Rohan K. Kunkalekar	Orientation Programme" -UGC-HRDC, Goa University, Goa	14-11-2017 to 11-12-2017	
Ashish Ashwini	Orientation Programme" -UGC-HRDC, Goa University, Goa	8-02-2018 to 07-03-2018	
Anagha Bicholkar	Refresher course-Geography HRDC,Goa University, Goa	04-12-2017 to 24-12-2017	
Malcolm Afonso	NPTEL - Digital image processing	01-07-2017 to 01-08-2017	
Andrew Barreto	NLT- Flipped learning	23-4-2018 to 11-05-2018	
Sanjay Gaikwad	Refresher Course in Earth Sciences (Geography)	14-11-2018 to 04-12-2018	2018-19= 05
Manjita Porob	Refresher Course in Chemistry	01-11-2018 to 27-02-2019	
Padmini Panjkar	Refresher Course in Chemistry	01-11-2018 to 27-02-2019	
Amisha Shiroadkar	Refresher Course in Life Science	28-09-2018 to 18-10-2018	
Ramu Pagi	STC-Data Analysis and R-Software	12-12-2018 to 17-12-2018	
A.Ashish	STC-Teaching (ARPIIT) on 'Climate Change	01-09-2019 to 09-02-2020	2019-20= 07
Mayuri M. Naik	Orientation Programme	30-07-2019 to 26-08-2019	
MadhuBalekai	STC- MOOCs, e-Content Development and Open Educational Resources"	17-12-2019 to 23-12-2019	
Nandini Vaz Fernades	STC-"Challenges in Higher Education"	17-12-2019 to 23-12-2019	
Mayuri M. Naik	STC-Online course - "Basics in Chromatography	7-05-2020 to 16-05-2020	



Malcolm Afonso	Course-Copernicus MOOC,	9-03-2020 to 28-05-2020
Malcolm Afonso	Course-Learn to code in Python 3: Programming beginner to advance,	9-01-2020 to 25-04-2020
Mayuri Naik	FDP- Drug Delivery	31-05-2020- 05-06-2020
Andrew Barreto	Refresher Course in English	01-10-2019 to 16-02-2020
Sanjay Gaikwad	STC-Teaching (ARPIT) on 'Climate Change RC-Completed online course on "Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials"	01-09-2019 to 09-02-2020
Swati Ghadi	1st Online Refresher Course in Chemistry, UGC-HRDC, Gujarat University	13-06-2020 to 1-07-2020
Mayuri M. Naik	Online Guru Dakshata faculty Induction Programme	28-09-2020 to 11-10-2020
Aresh Naik	Online Guru Dakshata faculty Induction Programme	27-07-2020 to 25-08-2020
Alka Gawas	Online Guru Dakshata faculty Induction Programme	27-07-2020 to 25-08-2020
Deepak Kumbhar	Geospatial Applications for Disaster Risk Management (Basic Module track 1)	27-07-2020 to 25-08-2020
Deepak Kumbhar	Geospatial Applications for Disaster Risk Management (Advanced Module track 2)	13-10-2021 to 28-10-2021
Deepak Kumbhar	Course-"RS & GIS Applications"	29-10-2021 to 13-11-2021
Madhavi M. Motankar	STC-'Academic Leadership in Higher Education'	02-11-2020 - 20-11-2020
Starlaine Mascarenhas	STC-Faculty Development Programme on 'Synthetic Biology'	17-05-2021 to 21-05-2021
Starlaine Mascarenhas	STC-Faculty Development Programme on 'Aqua-food technology	14-12-2020 to 18-12-2020
G. K. Naik	STC-Essential Skills and Technologies for Quality Research	4-01-2021 to 8-01-2021
G. K. Naik	STC-Design Thinking as Strategical Tool for Innovation and Creating Start-up	30-03-2021 to 03-04-2021
G. K. Naik	STC-Functional Materials for Engineering Applications	19-04-2021 to 23-04-2021
Nandkumar Sawant	STC-StasticalAnalysis and Basic of research using excel	15-02-2021 to 19-02-2021
Devli Meghana	STC-Training on micropalentology and C-Dating	12-06-2021 - 18-06-2021
H S Nadkarni	STC-Training on micropalentology and C-Dating	21-07-2021 to 31-07-2021
Gautami Manakikar	STC-FDP-'Research Methodology'	21-07-2021 to 31-07-2021
		26-05-2021 to 01-06-2021

2020-21= 17

Sachin
OFFG. PRINCIPAL
PARVATIBAI CHOWGULE COLLEGE
OF ARTS & SCIENCE (AUTONOMOUS)
MARGAO-GOA





Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE
Name of the head of the Institution	Dr. Shaila Ghanti
Designation	Principal (in-charge)
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08322759504
Mobile no.	9423315655
Registered Email	principalchowgules@gmail.com
Alternate Email	principal@chowgules.ac.in
Address	Gogol
City/Town	Margao
State/UT	Goa
Pincode	403602

2. Institutional Status																									
Autonomous Status (Provide date of Conformant of Autonomous Status)			19-Jun-2014																						
Type of Institution			Co-education																						
Location			Urban																						
Financial Status			Self financed and grant-in-aid																						
Name of the IQAC co-ordinator/Director			Shri H.S.S.Nadkarni																						
Phone no/Alternate Phone no.			08322759504																						
Mobile no.			9923686557																						
Registered Email			iqac@chowgules.ac.in																						
Alternate Email			hsn001@chowgules.ac.in																						
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)			http://node01.chowgules.ac.in/pub/webassets/NAAC/aqar2018-19/aqar_report%202018-19.pdf																						
4. Whether Academic Calendar prepared during the year			Yes																						
if yes,whether it is uploaded in the institutional website: Weblink :			http://node01.chowgules.ac.in/pub/webassets/NAAC/aqar2019-20/4-academic%20calendar%202019-20.pdf																						
5. Accreditation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>A</td> <td>3.29</td> <td>2009</td> <td>08-Mar-2009</td> <td>07-Mar-2014</td> </tr> <tr> <td>3</td> <td>A</td> <td>3.41</td> <td>2014</td> <td>05-May-2014</td> <td>31-Dec-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	2	A	3.29	2009	08-Mar-2009	07-Mar-2014	3	A	3.41	2014	05-May-2014	31-Dec-2020
Cycle	Grade	CGPA	Year of Accreditation	Validity																					
				Period From	Period To																				
2	A	3.29	2009	08-Mar-2009	07-Mar-2014																				
3	A	3.41	2014	05-May-2014	31-Dec-2020																				
6. Date of Establishment of IQAC			31-May-2004																						
7. Internal Quality Assurance System																									

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Orientation on Mentoring	21-Dec-2019 1	17
Seminar on IPR: Its relevance in academics	14-Dec-2019 1	22
Seminar on Metrics as a Measure of Scholarly Articles	14-Dec-2019 1	21
Workshop on Power Point Presentation	12-Dec-2019 1	16
Workshop on Research Data Management for Facilitating H index Calculation (Bibliometrics)	14-Nov-2019 1	17
Workshop on Outcome Based Education	30-Aug-2019 1	30
Workshop on Build your E-Portfolio	24-Aug-2019 1	75
Orientation on Research Methodology	12-Jul-2019 1	101
Orientation Programme on SEC & GEC	25-Jun-2019 2	233
Workshop On Attainment Of Course Outcomes	21-Jun-2019 3	68
View File		

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Parvatibai Chowgule College. of Arts and Science, Margao-Goa	Autonomous College	UGC, Pune	2014 365	2592818
Parvatibai Chowgule College of Arts and Science, Margao-Goa	DBT star College Scheme	DBT Star College scheme	2018 365	2100000
View File				

9. Whether composition of IQAC as per latest

Yes

NAAC guidelines:	
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
Conducted collaborative FDP on Institutional bench marking and best practises.	
Conducted workshop on E-learning	
Preparation of LOCF documents	
Conducted Wellness Programme for teaching and non teaching staff	
Conducted workshops on Research and Intellectual Property Rights	
View File	
13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
7. Integrating Technology in academics and administrative functioning	7. All Faculty seamlessly transitioned into using Technology Enabled Learning during the COVID-19 pandemic by incorporating online methods of assessments and teaching methods, facilitated by the CTL of the college. The four quadrant MOOC approach was adopted in the courses uploaded in the LMS. A Department Management System was developed wherein information pertaining to Faculty (courses taught), Students(internships) and General activities(extra-curricular) of the Department are available and reports as

	per request can be generated.
6. Students Club and participation	6. The objectives of the students clubs were streamlined to enhance students participation in various extra curricular and co-curricular activities. The functioning of clubs was monitored through online registration, creating slots in the time table and scheduling of club activities.
5. Streamlining Administrative and financial system / procedures	5. Policy documents related to institutional ethics, financial transaction and job responsibility of each committee was streamlined.
4. Academic and Research Enhancement of faculty.	4. The college had the maximum number of research projects as compared to previous years and the number of publications by the faculty also increased.
3. Introducing social Credits and life skills Programmes	3. Social Credit system was introduced for the first year students. At institutional level as well as departmental level various initiatives were taken, beach cleanup, community outreach programmes etc.
2. Adopting Multiple Modes of teaching - learning of (Methods)	2. The faculty members not only trained in using multiple mode online and offline but also implemented. Evident from AAA report.
1. Mapping Course Outcomes and Programme Outcomes	1. All the departments prepared LOCF documents as per UGC guidelines.
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> <tr> <td>Governing Body</td><td>04-Jun-2019</td></tr> </table>		Name of Statutory Body	Meeting Date	Governing Body	04-Jun-2019
Name of Statutory Body	Meeting Date				
Governing Body	04-Jun-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	05-Mar-2020				

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The Institution has Intergrated Information System for academic and administrative processes of the college. These are developed inhouse by 'office of Information' (OIT) and Department of Computer Science. The college has its own website developed and maintained by the OIT. The website by various features that are operational. The College maintains a directory of its entire staff apart from having provided all with a unique institution generated email ID. All communications related to academic and administrative activities are conveyed via email. Also, all the students have domain specific email IDs. This has login which enables students and faculty to access the other online features. In general, This information system is employed towards, online admissions, updating of learning resources (Moodle based), booking of college facilities, notifications on mentoring programme and other related aspects.. Enhancing areas of E-governance in academic and administrative processes was an initiative to reduce use of paper, increase efficiency, analyse data, help in future planning, and take effective and timely decisions. Specific academic modules for faculty are upload attendance report online, create web based resources through CLAAP or Google Classroom, submit reports etc For students, online admission and online payment gateway, submit online assignments, download students forms. For the purpose of administration, principal@chowgules.ac.in, the official email for all correspondence and communication. All notices, departmental newsletter, achievements, events are displayed on the website.</p>

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
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PGDCA	PG-DCA	Computer Application(PGDCA)	01/02/2020
MA	MA-ENG	English	20/02/2020
BVoc	BVoc Software	Software Development	01/02/2020
BVoc	BVoc.MDF	Multimedia and Digital Film making-MDF	28/02/2020
BVoc	BVoc.VFX	3D Media and Virtual Reality-VFX	28/02/2020
BSc	BSc. STS	Statistics	21/02/2020
MSc	MSc.GIS	Geoinformatics	16/03/2020
View File			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BA	English	15/06/2019	ENG-E-3 Writing for the Media	15/06/2019
BA	Sociology	15/06/2019	SOC-IV-E.5-Teaching-Learning: Theory and Parctice	15/06/2019
BSc	Geology	15/06/2019	GEL-VI.E -16 Gemtesting and Evaluation	15/06/2019
BSc	Zoology	15/06/2019	ZOO-III-SE-01 Waste management Technique	15/06/2019
BVoc	Software Development	15/06/2019	COM-V.SD-SK14 Software Testing	15/06/2019
MA	Analytical Chemistry	01/07/2019	CHAM-509 Modules in Experimental Chemistry	01/07/2019
MA	Geography	01/07/2019	PG.GEG.C1: Advanced Geomorphology	01/07/2019
MSc	Geoinformatics	01/07/2019	PG.MGIS.C1: Basics of GIS and GPS	01/07/2019
PG Diploma	Geinformatics	01/07/2019	PG.DGIS.C1: Basics of GIS and GPS	01/07/2019
PG Diploma	Geinformatics	01/07/2019	PG.DGIS.E5:	01/07/2019

[View File](#)**1.2 – Academic Flexibility****1.2.1 – New programmes/courses introduced during the Academic year**

Programme/Course	Programme Specialization	Dates of Introduction
PG Diploma	Geoinformatics	01/07/2019
MA	Geography	01/07/2019
MSc	Information Technology	15/06/2019
BVoc	Software Development	15/06/2019
BSc	Physics	15/06/2019
BSc	Computer Science	15/06/2019
BSc	Zoology	17/06/2019
BA	History	02/12/2019
BA	Economics	14/09/2019
BA	English	15/06/2019

[View File](#)**1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.**

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BA	English, French, Hindi, Konkani, Marathi, Portuguese	15/06/2019
BA	Economics, Mathematics, Geography, History, Philosophy, Psychology, Sociology	15/06/2019
BSc	Botany, Biotechnology, Biochemistry, Zoology	15/06/2019
BSc	Chemistry, Computer Science, Geography, Geology, Mathematics, Physics	15/06/2019
MA	English, Hindi, Applied Economics, Geography, Child Psychology and Child Development	01/07/2019
MSc	Geoinformatics, Analytical Chemistry, Information Technology	01/07/2019
PG Diploma	Geoinformatics, Computer Application	01/07/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
?????? ??????? (?????? ????)	15/06/2019	55
?????? ???????	15/06/2019	56
Basic Konkani Learning Course	15/06/2019	3
Certificate Course in Gretl (Free Software for Statistical Package)	15/06/2019	18
Herbal Cosmetology (Certificate course)	15/06/2019	32
Wildlife Monitoring Techniques	15/06/2019	32
Cyber Security	15/06/2019	19
Entrepreneurial opportunities in Fermented Food technology	15/06/2019	25
Page to Stage (Certificate Course)	16/01/2020	23
Basic Intensive Level - A1	15/07/2019	32
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BA	French, Economics, Geography, History, Psychology, Sociology, English, Hindi, Konkani, Marathi	208
BSc	Biotechnonology, Biochemistry, Botany, Zoology, Geography, Geology, Biochemistry, Physics, Computer Science, Mathematics	271
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?

(maximum 500 words)

Feedback Obtained

1. **Student Feedback:** Feedback is an integral part of the teaching-learning process. The feedback from the students is given utmost importance. Feedback forms are available and filled online by the students of the respective course for the teacher who is involved in delivering the course. The feedback about the course and its execution is given under the three titles title of 'Teacher's impact on Learning' in the form provided online (see Link). This feedback is then taken up for discussion at the department level and further discussed at the year end meeting at College level (with the principal) and then the suggestions pertaining to the course is referred to Board of Studies. The B.O.S then provides with valuable suggestion on the course (design, teaching-learning, evaluation and execution) (see action taken report of B.O.S suggestion)

2. **Teachers Feedback and Academic Audit:** The academic audit is undertaken at the end of every academic year. The audit is objective in nature. The dean of the respective faculty i.e. Languages, Social Sciences and Sciences along with a external member undertake the audit of the courses of a given department. The audit is organized with the help of the audit form, which is to be filled by the course teacher along with the documents to support the form filled (see Link). The audit form seeks information on four aspects i.e. Course design/planning and execution, Teaching-Learning and execution, Use of ICT and Evaluation. The report of the audit is shared with the course teacher and departmental head. This is further taken up with the B.O.S if there is a need in the modification of the course syllabus, evaluation modes or teaching-learning pedagogies. The courses thus undergo change, which is finally approved by the Academic Council. The academic audit ensures accountability, transparency of the course/course teacher and instils the need for quality. The Audit also provides the course teachers feedback about the course and its execution and the need for change or modification in the Teaching-Learning-Evaluation and Syllabus design.

3. **Alumni Feedback:** The Alumni feedback is crucial in the curriculum design process. The alumni feedback is taken from the Alumni through a questionnaire circulated personally by the department to its alumni. The feedback from the Alumni is analysed and it provides the departments vital inputs towards incorporation of skill development related to the Curriculum.

4. **Employer Feedback:** The Employer feedback is taken from the Alumni through their employers through a circulation of an employer feedback Questionnaire that covers different parameters. These include Knowledge base, Leadership Skills, Asset to Organisation and Sensitivity to Social responsibilities and Moral Values. The feedback analysis helps the departments and the college to relate to the Programme Outcomes and Programme Specific Outcomes and the need to modify the Curriculum further inorder to achieve the outcomes not achieved as provided by the feedback.

5. **Parents Feedback:** Parents have entrusted the future of their children into our hands and thus they play a very important role in the development and enhancement of the quality of this learning experience. Feedback from parents allows the institute to evaluate its service provision and thus cater to providing excellent service towards the students. The feedback analysis process has put an increasing emphasis on the need for involvement of parents in the quality assurance of excellent education. This circulation, distribution of feedback forms and collection of filled feedback forms was done by the IQAC of the College.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
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BA	Economics, English, French, Geography, History, Konkani, Marathi, Philosophy , Psychology, Portuguese, Sociology	570	711	550
MSc	Geoinformatics, Analytical Chemistry, Information Technology	100	107	68
MA	Economics, English, Geography, Hindi, Psychology	200	103	89
PG Diploma	Computer Application (PGDCA), Geo- Informatics (P.G.D.G.I.S), Clinical Genetics & Lab Tech	70	63	45
BVoc	Multimedia- Digital Film Making, Software Development, 3D Media And Virtual Reality- VFX	210	120	100
BSc	Botany, Biotechnology, Biochemistry, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics, Statistics, Zoology	810	1226	829
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of	Number of	Number of	Number of	Number of
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	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2019	1479	202	71	11	9

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
130	130	4	46	3	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Introduction: The college started the mentoring program in the academic year 2008-2009. It is one of the prominent student guidance facility available at the College which is also known as Staff Advisory Programme (mentoring). Mentoring of students is an integral part of our educational system it aims in providing guidance and support. Mentors play a key role in the college as they nurture students and help them remain connected and engaged, thus strengthening their performance. Mentor act as safety net on the campus to provide financial, social, academic and psychological assistance to students. Composition and Functioning: The college believes in heterogeneity where in each mentee is provided a mentor who is from different discipline (Department). Under this program, every mentor is assigned about 15 to 22 mentees under his/her guidance. There are 4 mentor-mentee meets during the course of each academic year. It is a platform for the mentor and mentee to build a rapport with each other. The positive dynamics of a teacher-student relationship encourages a safe and comfortable learning environment which in turn helps them to learn and grow thus, creating a safety net for the students. This role requires the mentor to establish a good rapport with the mentee to motivate and encourage him/her. The role of the mentor depends on the needs of the mentee and on the relationship he/she builds with his/her mentee. The role can be further divided into two broad areas: 1. Academics: In this role, mentor can act as a guide thus supporting and guiding the student in his/her academic progress. 2. Psycho-social: To help the mentee as a friend, motivator, coach, counselor, and advisor. Ideally, it is important for mentor to possess many skills some of the most important ones are being supportive, patient, empathetic nature and active listener in order to make a difference in mentees goals and hopes. Also, the mentoring process needs to involve the mentor and mentee to work together to reach specific goals and provide each other with sufficient feedback for the same. The mentee receives support, reassurance and discipline thus, helping to build individual mentees self-confidence, self-esteem and social skills. The mentee also receives academic help as it provides guidance and assistance to set academic targets. Academic target is a bench mark set by the mentee to achieve optimum performance in their academic record. Thus the mentoring programme contributes to the holistic development of the students which in turn contributes to the upliftment and recognition of the college. Yearly mentor programme / calendar At the Commencement of the academic year orientation programme is held wherein importance of mentoring is held. Subsequently in each of the semesters two mentor –mentee meets are held. The board aspects of this meetings are discussed in the above paragraph. To conclude this act as support system and with the appointment of the two counselors by the government it has strengthen the system.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1688	91	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
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54	54	Nill	54	3
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2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Starlaine C. Mascarenhas	Assistant Professor	Awarded the Doctoral degree in Biotechnology for her thesis entitled "Environmental Toxins Responsible for the Development of Chronic Kidney Disease of Unknown Etiology (CKDu) in Canacona Taluka, Goa from BITS Pilani University (Campus-BITS Pilani K
2019	Dr. Nandini Vaz Fernandes	Associate Professor	Awarded first place for her paper presentation on "Cytogenetic and Fluorescent In-Situ Hybridization Evaluations in Prognosis of Chronic Myeloid Leukemia" at the National Seminar on 'Current Trends in Identification and Diagnosis' organised by Govt.
2019	Shri. Anand Masur	Associate Professor	Awarded 'Rangasanman Puraskar' by the Goa Government for his contribution towards 'Marathi Theatre' at Goa Kala Academy, Panaji at the hands of Ms.Vandana Gupte, Marathi film actress and Shri. Govind Gaude, Minister of Art and Culture, Govt. of Goa.
2019	Dr. H. C. Chopdekar	Associate Professor	Received a 'T. M. Pai Foundation

			Literary Award 2019' a National Award for his book 'Sahitya Dara' instituted by T.M. Pai Foundation, Manipal, Karnataka.
2019	Dr. Ashish M. Desai	Associate Professor	Awarded for the Best Poster Presentation on "Numerically Solving the Schrödinger Equation for a Double Potential Well Using Eight Order Numerov Method" at the International Conference on "Functional Materials and Simulation Techniques" jointly organi
2019	Dr. Sobita Kirtani	Assistant Professor	Awarded Ph.D for her doctoral work 'A Psychological Analysis of the Elderly with varying levels of Subjective Well-Being' under the supervision of Dr. Vijayalaxmi Aminabhavi, Professor of Psychology, P.G. Department of Psychology, Karnatak University
2019	Dr. Mayuri M. Naik	Assistant Professor	Awarded Ph.D. degree in Chemistry on 24th February 2020 at the hands of Prof. Varun Sahani, Vice-Chancellor, Goa University at the Goa University 32nd Annual Convocation ceremony held at Dinanath Mangeshkar Kala-Mandir, Kala Academy, Campal, Panaji -

2019	Ms. Tessa Vaz	Assistant Professor	Awarded first place as best promising idea 'BAG 4 LIFE', Business Idea Canvasat Sanskruti Bhavan, Goa on December 14, 2019 at the Conference on Entrepreneurship as a Social Movement
2019	Ms. Prasanna Naik Gaonkar	Assistant Professor	Awarded the 'Zoology Department Gold Medal' at the hands of Prof. Varun Sahani, Vice Chancellor of Goa University, for obtaining highest marks in Zoology at M.Sc. Examination for the academic year 2018-2019.
2020	Dr. Gunaji Desai	Associate Professor	Award and Recognition given by Office of the Collector District Election Officer, South Goa District felicitated on National Electoral day 2020 for the recognition of work rendered as Best Nodal Officer for South Goa District for the year 2019 -20.
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BA	BA	Odd/ 2019-20	06/12/2019	18/12/2019
BSc	BSc	Odd/ 2019-20	06/12/2019	30/01/2020
BVoc	BVoc	Odd / 2019-20	06/12/2019	18/12/2019
MA	MA	Odd / 2019-20	13/11/2019	11/02/2020
MSc	MSc	Odd/ 2019-20	13/11/2019	11/02/2020
PG Diploma	PGD	Odd/ 2019-20	13/11/2019	11/02/2020

BA	BA	Even/2019-20	20/08/2020	30/09/2020
BSc	BSc	Even/2019-20	20/08/2020	10/10/2020
BVoc	BVoc	Even/2019-20	12/08/2020	06/11/2020
MA	MA	Even/2019-20	07/09/2020	23/11/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
84	1960	4.28

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://node01.chowgules.ac.in/pub/webassets/NAAC/agar2019-20/2.6.1-2019-20-PO-PSO-CO.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
BA	BA	Economics, English, French, Geography, History, Konkani, Marathi, Philosophy, Psychology, Portuguese, Sociology	154	113	73.38
BSc	BSc	Botany, Biotechnology, Biochemistry, Chemistry, Computer Science, Geography, Geology, Mathematics, Physics, Statistics, Zoology	267	218	81.65
BVoc	BVoc	Multimedia-Digital Film Making, Software Development, 3D Media And	13	8	61.54

		Virtual Reality-VFX			
PGD	PG Diploma	Computer Application (PGDCA), Geo-Informatics (P.G.D.G.I.S), Clinical Genetics & Lab Tech	36	35	97.22
PG	MA	Economics, English, Geography, Hindi, Psychology	48	44	91.66
PG	MSc	Geoinformatics, Analytical Chemistry, Information Technology	26	25	96.15
View File					

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://node01.chowgules.ac.in/pub/webassets/NAAC/aqar2019-20/2.7.1-2019-20-Students%20Satisfaction%20Survey%20Report%20dtd.%2010th%20Feb.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
R.Kanchana, Hashma Mujawar, Vallanka Dias, Ashweta A. Fondekar, Bhavya G. Bhat, Sarah Mesquita, Supriya N Prabhu Khorjuvenkar, Ananya Das
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Sangeeta G. Sankhalkar	Visiting scientist Fellowship	03/02/2020	Indian National Science Academy, Govt. of India New Delhi

International	Rahul P. S.	Summer Fellowship	10/04/2019	COTE Cluster of Excellence, University of Bordeaux, France
International	Rahul P. S.	Summer Fellowship	27/02/2020	University of Heidelberg, Germany
View File				

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	Indian Council of Social Science Research (ICSSR), New Delhi	8	3.2
Major Projects	1095	SERB, New Delhi	19.2	2.24
Minor Projects	730	DHE-DST-SPS, Govt. of Goa	2	0.5
Minor Projects	1095	DST	3.2	3.2
Minor Projects	730	DST	3	3
Minor Projects	730	DHE	4.3	3.23
Industry sponsored Projects	730	Goa Forest Department, Govt. of Goa	2.92	1.18
Any Other (Specify)	1095	DBT- Ministry of science and Technology, Govt. of India	123	21
Any Other (Specify)	365	DST-MHRD-COESME	1.94	1.94
Minor Projects	1095	DHE-DST	5	2.2
View File				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.33

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
IPR: Seminar on IPR: It's Relevance in Academics for Zoologists	Zoology	24/01/2020
IPR: talk on "IPR: Its relevance in academics for Computer Science"	Computer Science	24/01/2020
IPR: talk on "IPR: Its Relevance in academics for Physics"	Physics	27/01/2020
IPR: a talk on "IPR: Its Relevance in academics for History"	History	28/01/2020
IA: Women in Gandhian Satyagraha	Sociology	01/02/2020
ESD-Students Seminar Cum Exhibition on "Presentations of internships"	College	11/02/2020
IA:Automated Software Testing using Selenium jmeter in association with Module Lead, Persistent Systems Ltd, Goa	Computer Science	22/02/2020
IA: SpringFramework Ms.Shruti P.Software Engineer - from Persistent Systems from Verna Goa	Computer Science	28/08/2019
IA: Workshop on Herbal Cosmetology	Botany	28/08/2019
IA: React Js Mr.SedrickPires Software Developer from Numadic, Panaji	Computer Science	30/08/2019
IA: Data Visualization Statistical Computing using R	Computer Science	30/08/2019
IA: Workshop on "College Extracurricular Activity Policy and Procedures"	Extra Curricular activities committee	30/08/2019
IA: Workshop on "Mushroom cultivation" as part of the General Elective Course (GEC)	Biotechnology	31/08/2019
IA: Guest lecture on 'Framing 'Technology and Society': From Colonial to Digital India'	Sociology	23/09/2019

IA: Workshop on "Academia-Industry Linkage"	College	04/10/2019
IA -Wild life state level quiz in association with Goa Forest Dept. Govt. of Goa.	Zoology	05/10/2019
IA: My Career through Sociology'	Sociology	14/08/2019
ESD-Workshop on 'Build your E-Portfolio'	life Science-Dean	24/08/2019
IA: TechWeek 2019	Computer Science	26/08/2019
IA: Data Visualization Statistical Computing using R	Computer Science	10/10/2019
IPR- Seminar on Research Data Management' for facilitating H Index calculation (Bibliometrics]	College-IQAC	14/11/2019
IA- Certificate Course in 'Wildlife Monitoring Technique' funded by Directorate of Higher Education, Govt. of Goa.	Zoology	05/12/2019
RM-A Training Programme on 'GPS - Basics Field Applications' organized under DBT Star College Scheme for the students of Skill Enhancement Course on Participatory Rapid Appraisal Techniques	Geography	12/07/2019
IA: Workshop on 'Kitchen Gardening'	Botany	12/11/2019
ESD-Talk on "How To Learn and Remember Periodic Table"	Chemistry	13/12/2019
IPR- Seminar on Metrics as a Measure of Scholarly Articles	College-IQAC	14/12/2019
IPR: Seminar on IPR: It's Relevance in Academics"	College-IQAC	14/12/2019
IA: Workshop on 'Field-based Training- On Site Use of Current Meter, and Field Testers to Test Water' (under DBT star college scheme)	Geography	16/12/2019

IA: Workshop on "Hands on Training in Water and Soil Testing - Water and Soil Testing Lab Techniques" (under DBT star college scheme)	Geography	17/12/2019
IA: Workshop on "Academic Writing and Integrity"	College-IQAC	07/01/2020
IA: Training Programme on Developing soft skills, resume writing and fundamentals of facing an interview	Career Personal Counselling Centre	09/01/2020
IA: Workshop on "Attainment of Courses Outcomes"	College	21/06/2019
ESD-soft Skills: Critical thinking, lateral thinking, Problem based learning	Zoology	21/06/2019
IA-Training Programme on 'GPS - Basics Field Applications' organized under DBT Star College Scheme for the students of Skill Enhancement Course on Participatory Rapid Appraisal Techniques and SYBSc Geography students	Geography	12/07/2019
RM- Orientation on Research Methodology	Life Science-Dean	12/07/2019
IA- Mangroves of Goa in Troubled water- Mitigation Strategies (in association with MSI)	Zoology	26/08/2019
IA-Life sans mangrove	Zoology	26/07/2019
IA:Workshop on "Coastal Regulation Zone (CRZ) cum Poster Position on CRZ"	Geology	06/08/2019
IA: Birdwatching in Goa- Lecture Series in Collaboration with Goa Forest Department	Zoology	09/08/2019
IA: Workshop on Human Rights	Sociology	09/08/2019
IA: Birding in western ghats-lecture series on wildlife in association with Goa Forest Dept. Govt. of Goa	Zoology	09/08/2019

IA: Workshop on Mushroom Cultivation	Biotchnology	31/08/2019
IA: Training programme on International English Language Testing System (IELTS) by Ms. Sumbul Kahan from Study Plus, Mumbai	Career Personal Counselling Centre	27/01/2020
Basic Training in GIS organized under DBT Star College Scheme	Geography	10/01/2020
ESD-Product Development Phases - Story Telling-Innovators in Campus	College-IIC	10/01/2020
IA : workshop on "Design Thinking"	College-IIC	11/01/2020
IPR: Intellectual property rights: It's relevance in academics for Psychology	Psychology	14/01/2020
IA: Seminar on "Innovation/Social Innovation Entrepreneurship"	College-IIC	16/01/2020
IPR:Seminar on IPR: It's Relevance in Academics for Biotechnology"	Biotechnology	16/01/2020
IPR: talk on 'IPR: its Relevance in Academics for Chemistry'	Chemistry	16/01/2020
IPR:Seminar on IPR: It's Relevance in Academics for Biochemistry"	Biochemistry	23/01/2020
IA: workshop on "Time Management"	College-Career Couseling Center	23/01/2020
IPR: Workshop on "Plagiarism and Assignment Writing"	IQAC and Writing center	23/01/2020
National Seminar on 'Landscapes Evolution and Transformation' organized under the DBT Star College Scheme.	Geography	23/01/2020
IA: Workshop on "Automated Software Testing using Selenium and Jmeter"	Computer Science	22/02/2020
IA: Short-term training course on Entrepreneurial Opportunities in	Biotechnology	24/02/2020

Fermentation Food Technology		
Workshop on Mobile GIS Epicollect 5 conducted under DBT Star College Scheme for the students of Geography	Geography	17/02/2020
IA- National Seminar on Prof. D.B.Wagh Memorial lecture series	Mathematics	17/02/2020
ESD- Session on Artificial Intelligence	College-DBT Star	24/02/2020
RM-Research Paper Presentation Competition under DBT Star College Scheme	College-DBT Star	25/02/2020
ESD- SCI-FAIR - Know your concepts	College-DBT Star	26/02/2020
IPR- Short-term training course on Entrepreneurial Opportunities in Fermentation Food Technology	Biotechnonology and Biochemistry	25/02/2020
RM- Workshop on 'Research Based Pedagogical Tools	Zoology Geography	05/03/2020
IPR- How to Plan for Start-up and Legal Ethical Steps	College-IIC	05/03/2020
IPR-Hangout with Successful Start-ups	College-IIC	07/03/2020
IPR- Innovation, IPR Entrepreneurship and Startup"	College-IIC	28/04/2020
IA: Webinar on Economics	Economics	30/06/2020
ESD- Workshop on 'Creating Videos using OBS'	College	08/07/2020
IA: Webinar on Career Progression with Psychology	Career Personal Counselling Centre	28/08/2020
IA: Seminar on 'Avenues Available to Join the Indian Air Force'	NCC Unit	23/08/2020
ESD-Webinar on Career Progression with Psychology	Psychology	23/08/2020
IA: National Workshop on 'Scientoons' on theme	Biotechnology	12/02/2020

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
KALPAK Innovative project: Efficacy of Microbial Consortium on Composting of Organic Material	Ms. Valanca Fernandes and Ms. Elrica Coutinho, students of TYBSc Zoology, guided by Dr. Nandini Vaz Fernandes(Faculty member)	Innovative project Competition by Directorate of higher Education, Govt. of Goa	26/02/2020	State level
Idea/prot - 'Disposal of Sanitary Pads and Diapers in scientific manner' at 'Goa Waste Management Hackathon'(Innovation Competition)	Students: Ms. Valanca Fernandes, Ms. Elrica Coutinho, Ms. Prapti Nayak, Ms. Akshaya Karekar and Ms. Simona Fernandes, students of TYBSc Zoology, Guided by Dr. Nandini Vaz Fernandes(Faculty member)	Goa State Innovation Council	18/02/2020	State level
Best promising idea award - 'Fazenda de Peixe'(Business idea canvas, Innovation Competition)	Mr. Abhiraj Singh Bhatt(Student)	18th international Entrepreneurship Forum (IEF) conference on Entrepreneurship in association with Directorate of Higher Education, Govt. of Goa.	18/12/2019	State level
Noesis, a national level tech event	Students: Team won 6 categories out of nine and were declared winners	Rosary College of Arts and Commerce, Navelim	07/12/2019	National level
GIS based approach - Essential Services Supply during disaster	Faculty members: Prof. Nandkumar Sawant Mr. Deepak Kumbhar Mr. Venkatesh	GDP Foundation	08/06/2020	Smart Disaster Management System

	Prabhugoankar Mr. Castor Godhino			
Best promising idea award - 'BAG 4 LIFE' (Business idea canvas, Innovation Competition)	Faculty members: Ms. Tessa Vaz	18th international Entrepreneurship Forum (IEF) conference on Entrepreneurship in association with Directorate of Higher Education, Govt. of Goa.	18/12/2019	State level

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	15/06/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Biotechnology	1
Chemistry	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Geography	1	1.25
National	Geography	3	0
International	Zoology	3	1.25
International	Biotechnology	1	3.78
International	Biotechnology	2	0
International	Chemistry	2	2.02
International	Physics	1	2.15
National	Konkani	1	0
National	Hindi	1	0

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Konkani	2
Computer Science	1

Physics	1
Biotechnology	2
Hindi	1
Geography	3
Marathi	2
Psychology	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Nil	Nil	0	15/06/2019
View File			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
BIOGENESIS OF SILVER NANOPARTICLES FROM AGRO-WASTE	KANCHANA R, FERNANDES A	Asian Journal of Pharmaceutical and Clinical Research	2019	0	Department of Biotechnology, Goa University, Goa, India.	Nil
Institutional Strategies for Making Graduates More Employable - Case Study	Sawant NN Fernandes NV	International Journal of Educational Science 241(1-3) 34-42 (Taylor Francis)	2019	2	Department of Geography and Research Center, Parvatibai Chowgule College of Arts and Science (Autonomous), Gogol 403 602, Margao Goa, India 2. Department of Zoology, Parvatibai Chowgule College of Arts and Science (Autonomous)	2

Bioaccumulation of heavy metals from mining effluents in the tissues of Puntius narayani.	Fernandes NV	Journal of Human Ecology	2019	1	Department of Zoology, Parvatibai Chowgule College of Arts Science (Autonomous), Gogol, Goa, India	1
A comparative study on Dragonfly diversity on a plateau and agro ecosystem in Goa, India	Dsouza A Pai I K	Journal of threatened taxa	2019	1	Parvatibai Chowgule College of Arts and Science, Gogol-Margao, Goa 403602, India.	1
Microplastics in ballast water as an emerging source and vector for harmful chemicals, antibiotics, metals, bacterial pathogens and HAB species: A potential risk to the marine environment and human health.	Naik RK, Naik MM, DCosta PM and , Shaikh F	Marine Pollution Bulletin	2019	0	Department of Biotechnology, Parvatibai Chowgule College of Arts and Science, Margao, Goa, 403601, India	Nil
"A Simple and Efficient Route to 2-Arylimidazo[1,2-a]pyridines and Zolimidine Using Automated	Das D, Bhutia ZT, Panjikar PC, Chatterjee A and Banerjee M	Journal of Heterocyclic Chemistry (Wiley Publications)	2020	0	Parvatibai Chowgule College of Arts and Science (Autonomous), Margao, Goa, India	Nil

Grindstone Chemistry"						
"Iodine Promoted Efficient Synthesis of 2-Aryli midazo[1,2 -?]pyridin es in Aqueous Media: A c omparative study between Micellar Catalysis and an "On-Water" Platform"	Bhutia ZT, Panjekar PC, Iyer S, Chatterjee A and Banerjee M	ACS Omega 2020	2020	1	Pravatibai Chowgule College of Arts and Science (A utonomus), Margao, Goa, India	1
A new modified Morse potential function for diatomic molecules	Desai, AM, Mesquita N, and Fernandes V	Physica Scripta	2020	4	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India	4

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A new modified Morse potential function for diatomic molecules	Desai, AM, Mesquita N, and Fernandes V	Physica Scripta	2020	4	4	Department of Physics, Parvatibai Chowgule College of Arts and Science, Margao, Goa 403602, India
"Iodine Promoted Efficient	Bhutia ZT, Panjekar	ACS Omega 2020	2020	1	1	Pravatibai Chowgule

	Synthesis of 2-Arylimidazo[1,2-b]pyridines in Aqueous Media: A comparative study between Micellar Catalysis and an "On-Water" Platform"	PC, Iyer S, Chatterjee A and Banerjee M					College of Arts and Science (Autonomous), Margao, Goa, India
	"A Simple and Efficient Route to 2-Arylimidazo[1,2-a]pyridines and Zolimidine Using Automated Grindstone Chemistry"	Das D, Bhutia ZT, Panjikar PC, Chatterjee A and Banerjee M	Journal of Heterocyclic Chemistry (Wiley Publications)	2020	1	Nill	Pravatibai Chowgule College of Arts and Science (Autonomous), Margao, Goa, India
	Microplastics in ballast water as an emerging source and vector for harmful chemicals, antibiotics, metals, bacterial pathogens and HAB species: A potential risk to the marine environment and human health.	Naik RK, Naik MM, DCosta PM and , Shaikh F	Marine Pollution Bulletin	2019	Nill	Nill	Department of Biotechnology, Parvatibai Chowgule College of Arts and Science, Margao, Goa, 403601, India
	A comparative study on Dragonfly diversity on a	Dsouza A Pai I K	Journal of threatened taxa	2019	Nill	1	Parvatibai Chowgule College of Arts and Science, G

plateau and agro ecosystem in Goa, India						ogol-Margao, Goa 403602, India.
Bioaccumulation of heavy metals from mining effluents in the tissues of Puntius narayani.	Fernandes NV	Journal of Human Ecology	2019	2	1	Department of Zoology, Parvatibai Chowgule College of Arts Science (Autonomous), Gogol, Goa, India
Institutional Strategies for Making Graduates More Employable - Case Study	Sawant NN Fernandes NV	International Journal of Educational Science 241(1-3) 34-42 (Taylor Francis)	2019	3	2	Department of Geography and Research Center, Parvatibai Chowgule College of Arts and Science (Autonomous), Gogol 403 602, Margao Goa, India 2. Department of Zoology, Parvatibai Chowgule College of Arts and Science (Autonomous)
BIOGENESIS OF SILVER NANOPARTICLES FROM AGRO-WASTE	KANCHANA R, FERNANDES A	Asian Journal of Pharmaceutical and Clinical Research	2019	1	Nil	Department of Biotechnology, Goa University, Goa, India.
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	32	125	58	14
Presented papers	8	17	Nil	Nil
Resource persons	1	17	24	18
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Mr. Malcolm Alfonso, Geology	Consultancy provided to villagers along coastal belt w.r.t. CRZ (Non-profitable) Community outreach programme in association with Rainbow Warriors, NGO	Rainbow Warriors (NGO)	0
Department of Geography Research Center	Kolhapur Oxygen CRYOTIMES E-Newsletter	Kolhapur Oxygen Acetylene Pvt. Ltd.	20000
Botany, Geography, Zoology	Peoples Biodiversity register (PBR), Curtorim	Curtorim Biodiversity Management Committee	45000
Botany	Medicinal plant cultivation, Raia	GSREPL, Raia (2018-2021)	0
Dr. Nandkumar Sawant	Preparation of PBR (People's Biodiversity Register) for the villages of Molcornem, Xeldem, Avedem, Bhatti, Ugem, Barcem, Morpila, Cavrem and Benaullim	Goa State Biodiversity Board (GSBB), Saligao, Goa (2019-2021)	0
Dr. Nandkumar Sawant (Chairperson), Team members Dr. Nandini Vaz Fernandes Ms. Madhu Balekai Dr. Uma Masur Ms. Amisha Shirodkar Ms. Rupali Tamuly Ms. Mahalaxmi Badiger Dr. Golda	Economic Revival Plan for Eight Villages.	Directorate of Higher Education and Goa Institute of Public Administration and Rural Development (GIPARD), Govt. of Goa	0

Vaz Ms. Anushka Fernandes. Dr. SachinMoreas Ms. Vanessa Colaco. Dr. San			
Dr. Nandini Vaz Fernandes, Zoology	Summer Training	Students	52500
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Community outreach programme in association with Abhijith Prabhudesai, Rainbow Warriors, NGO in field data collection and mapping of the coastal features for Coastal Zone Management and Plan	Rainbow Warriors	1	30
Socio-economic agricultural revival of Betalbatim Village	Department of Geology with Betalbatim Panchayat	1	35
Providing Palliative care and empowering students through certificate Course	Dillasa Centre for Palliative care and Indian Medical Association-Ponda, Pallium India, Indian	1	40
Colva Beach Clean up	Kamfar environmental solutions	1	76
Medicinal Plants Exhibition cum guest lecture	Department of Botany/ DBT funded /Medicinal plants from- Goa State Medicinal Plants Board, Goa Forest	4	68

	Department		
CAI-Software Tools designed for children with Autism and/or mental retardation	Keshav Seva Sadhana School for special children, Bicholim	1	20
Tree Plantation	NSS unit	4	25
National Road Safety Week 2020: Road safety rally	NSS unit	4	129
Blood Donation Camps	NSS unit in association with Indian Red Cross Society, Salcete Branch and Goa Medical College blood bank, Bambolim, Goa	4	112
Methods of waste treatment and importance of practicing waste segregation and management	Department of Zoology with Local Community	4	5
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Community outreach programme in association with Abhijith Prabhudesai, Rainbow Warriors, NGO in field data collection and mapping of the coastal features for Coastal Zone Management and Plan (CZMP)	Recognition (Awarded Certificates)	Rainbow Warriors (NGO)	30
National Electoral day 2020	Best Nodal Officer for South Goa District for the year 2019 -20	Office of the Collector District Election Officer, South Goa District	Nill
For creating Awareness in health, hygiene and sanitation among the NCC cadets of our state.	Awarded Director General NCC Plaque	Director General NCC in the presence of DDG NCC Karnataka Goa, Training Officer DDG NCC office Karnataka Goa	Nill

National Conference- Best Research Paper	Dr. Nandini Vaz Fernandes, Awarded First Place - Best Research paper	Govt. College Khandola in collaboration with Directorate of Higher Education, Govt. of Goa	Nill
Inter Collegiate event Inspirus	Students of department of Computer Science won the Second place.	Don Bosco college of engineering, Fatorda, Goa	16
Noesis, a national level tech event	Team won 6 categories out of nine and were declared winners.	Rosary College of Arts and Commerce, Navelim	10
KALPAK: Innovative TYBSc project Competition	Team of two students s. Elrika and Ms. Valanka, guided by Dr. Nandini Vaz Fernandes wer selected as Best Innovative Project . Title Efficacy of Microbial Consortium on Composting of Organic Material.	Directorate of higher Education, Govt. of Goa	5
Goa Waste Management Hackathon (Innovation Competition)	Team of two students Ms. Elrika and Ms. Valanka, guided by Dr. Nandini Vaz Fernandes selected for Idea/prot - 'Disposal of Sanitary Pads and Diapers in scientific manner'.	Goa State Innovation Council	2
Conference on 'Entrepreneurship as a Social Movement'	Abhiraj Singh Bhatt awarded Best promising idea award - 'Fazenda de Peixe'(Business idea canvas, Innovation Competition).	International Entrepreneurship Forum (IEF), Directorate of Higher Education, Govt. of Goa and Banglanatak dot com	1
International Conference- Best Research Paper	Dr. Ashish Desai. Awarded First Place - Best Research paper	Chandigarh University, University of Mauritius, Mauritius and Concordia University, Canada	Nill

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Green initiative – Environment Protection Awareness program	NGO 'Rainbow Warriors'	Students of Geology collected field data and mapped coastal features for preparing the map on Coastal Zone Management and Plan (CZMP) which was submitted to the Government of Goa.(2019-2020)	1	30
Gender Issues	Department of History	Street play: 'Satyamev Jayate', on the theme of liberty, equality, justice and highlighted issues of gender sensitisation, justice, equality and freedom of expression.	3	25
Swachh Bharat	NCC Infantry Wing Unit of Parvatibai Chowgule College	Maha Swacchata Pakhwada cum Mega Pollution Awareness Pakhwada an orientation and awareness program	1	25
Swachh Bharat	NCC Infantry Wing Unit of Parvatibai Chowgule College	awareness programs on health, hygiene, sanitation and waste management for the Municipality Workers, Elected Panchayat	1	25

		Members and Teachers at various levels		
Green initiative - Environment Protection Awareness program	NSS unit	"SHRAMDAAN" to commemorate 150th birth anniversary of Mahatma Gandhi	4	310
Green initiative - Environment Protection Awareness program	Department of Zoology - College campus	Labeling waste-bins for enable segregation of waste	4	47
Gender Issue- Poshan Maah	NSS unit	Awareness Talk on Nutrition by Dr. Aduja Naik, Assistant Professor, Department of Biochemistry	4	113
Green initiative - Environment Protection Awareness program	College - Monthly Activity	Beach Cleaning	1	77
Scientific temper	Under DBT Star College Scheme	Science Megafest - 'Research Presentation Competition'	10	294
Green initiative	World Mangrove Day Celebration (Lecture series)	Industry-academia lectures	6	121
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Academic - Cultural Exchange Programme	10	self funded	14
Academic - Cultural Exchange Programme	14	self funded	14
University of De La Reunion , France	1	University of De La Reunion Reunion Erasmus Programme	4

		under European Union	
Student - Academic Exchange Programme:	3	self funded	365
Industry-academia MoU/Linkage Activities	130	Institutional	4
Industry-academia MoU/Linkage Activities	25	Institutional	4
Industry-academia MoU/Linkage Activities	120	Institutional	1
Industry-academia MoU/Linkage Activities	120	Institutional	1
Industry-academia MoU/Linkage Activities	70	Goa Forest Department, Govt. of Goa	1
Industry-academia MoU/Linkage Activities	68	Directorate of Higher education, Govt. of Goa	8
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MoU	MOU (I-A lectures)	Mangrove society of India	09/08/2019	09/08/2019	130
MoU	Guest Lectures	Lal Bahadur Shastri College, Satara, Maharashtra	26/07/2019	30/07/2019	120
On-the Job-Trainig	Internship	Satyam Chemicals, Nessai-Goa	11/11/2019	12/12/2019	2
On-the Job-Trainig	Internship	National Center for Polar Ocean Research (NCPOR), Vasco	18/11/2019	17/12/2019	2

I-Resource person	Goa DST Sponsored National Workshop on Scientoonics on the theme of Clean India	Central Drug Research Institute, Lucknow Govt. Physiotherapy College Jamnagar, Gujarat	12/02/2020	13/02/2020	50
I-Resource person	Techweek 2019	Persistent Systems, Verna	28/08/2019	29/08/2019	110
Lecture series	Lecture Series on "Thermodynamics and Statistical Thermodynamics"	K.K.Birla Institute of Science Technology-Pilani, Goa Campus, Zuarinagar, Goa	31/01/2020	01/02/2020	70
Lecture series	Plant Animal Interaction in the Context of Pollination	Goa University and Goa Bird Conservation Network (GBCN)	13/03/2020	13/03/2020	17
Industrial Visit	Exposure to safety training center	Oil and Natural Gas Corporation (ONGC), Betul - Goa	24/07/2019	24/07/2019	20
Guest lecture	Avenues for Geologists in India	Atomic Mineral Directorate for Exploration and Research (AMD), Hyderabad	23/07/2019	23/07/2019	66

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
NIL	Nil	NIL	Nil

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
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104.44	91.7
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4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Bioblotech	Fully	Latest 2020	1992

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36402	2466928	728	501346	37130	2968274
Reference Books	10697	1125000	3	8272	10700	1133272
e-Books	53000	Nill	44000	Nill	97000	Nill
Journals	247	605689	22	48203	269	653892
e-Journals	5	15000	Nill	Nill	5	15000
Digital Database	100	Nill	Nill	Nill	100	Nill
CD & Video	566	100000	10	Nill	576	100000

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Sachin Savio Moraes	Introducing Sociology	Google Classroom	20/06/2019
Shaila Ghanti	Digital Logic Design	Google Classroom	15/06/2019
Amar Naik	Mathematical Foundation I	Google Classroom	04/07/2019
R.Kanchana	Biostatistics	Google Classroom	06/06/2020
Rupali Tamuly	Principles of Economics	Google Classroom	17/07/2019
Jenny Gladys Silveira	Stereochemistry-Topicity	Google Classroom and CLAAP	30/10/2019
Ashwini Korgaonkar	Topics in Inorganic Chemistry	CLAAP and Google Classroom	28/08/2019
Harish S S Nadkarni	Structural Geology	Google Classroom	24/03/2020
Alka Gawas	Vishesh Adhyayan Hindi Kahani	Google Classroom	20/04/2020
Trupti Fal Dessai	Rasvichar ani Samikshavichar	Google Classroom	15/04/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	213	150	213	20	5	23	15	124	213
Added	7	7	7	0	0	0	0	0	7
Total	220	157	220	20	5	23	15	124	220

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

120 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Tiger Studio and AV Room	http://node01.chowgules.ac.in/pub/webassets/NAAC/aqar2018-19/4.3.3.%20-%20Media%20Center%20&%20Recording%20Facility.mp4

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
97.02	64.12	181.08	145.9

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Utilization of Physical/Academic/Support Facilities: Adequate infrastructure is one of the key requirements for any institution to provide quality education. The college management is very supportive to develop the infrastructure as and when required. **Classrooms and Laboratories:** The College has adequate number of spacious and well ventilated classrooms equipped with ICT facilities. College Timetable Management Committee prepares the timetable for the entire college including allotment of classrooms. Subsequently, the concerned department prepares the practical timetable for the Lab. Few Laboratories are being used for research purpose too. There are two auditoriums with capacity of 150 and 90 participants, one Audio Visual Room and a model Classroom. All these facilities have to be booked online through the college website. **Maintenance of Physical/Academic/Support Facilities:** The college aims at maintaining the campus infrastructure in a pro-active manner. Major works are always budgeted and approved by the management whereas the minor maintenance is carried out by the college with the help of the estate office of the college. The college have set up committees like tender committee and purchase committee to follow the procedures and guidelines as per the pattern of assistance given by various agencies (government and non-government) The college has, designated maintenance office (Estate Department) for overseeing the maintenance and civil works, under the guidance of the College Management and Administration, Finance Committee, Tender/Purchase committee.

a. Minor Maintenance process such as electrical, ACs, LCD Projectors, gas pipe lines for Labs. Carpentry, Plumbing, Repairing civil work is done by getting quotations from different parties, scrutinised by Tender/Purchase committee.

b. Major Maintenance process such as civil, plumbing, carpentry, electrical work is done by budgeting, taking financial approval from Finance Committee and executing by the Estate Department..

c. The Laboratory equipments are maintained by the concerned department by budgeting and getting approval from the principal every year. Under Autonomy, as per the UGC guidelines, the college constituted the Finance Committee.

a. Principal requests all the Heads of the Department to prepare the Departmental Annual Budget proposal for each Academic Year. At the end of every Academic Year, during the regular departmental meeting with Principal, the Head of the Department present the statement of expenditure of the current Academic Year and budget proposal for the next Academic Year.

b. After healthy discussion and justified changes, Principal accepts the proposal to be submitted to the Finance Committee of the College.

c. Monthly budget review meetings are conducted to monitor the utilisation of the allotted funds.

d. Finance Committee prepares the General Expenditure Budget for the Development and Maintenance of the Infrastructure of the College.

e. Major heads of the budget undergoes the following procedure:

- The items/work to be purchased / carried-out is advertised for inviting tenders in the local Newspapers and in the college website.
- Vendors are invited on the day of opening the tenders. The tender committee opens the tenders in presence of the vendors. The vendors are allowed to go through all the tenders received.
- Comparative statements prepared and the purchase committee prepares with justification, the purchase/work order.

Sub Committees:

a. Tender Committee and Purchase Committee

b. Finance Committee

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Students aid fund, Principal Contingency fund	2	4500
Financial Support from Other Sources			
a) National	Nill	Nill	Nill
b) International	Nill	Nill	Nill
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Critical Thinking, Lateral Thinking, Problem Based Learning Orientation	25/06/2019	30	Department Of Zoology
Portuguese Language Course Basic Intensive Level - A1	15/07/2019	32	Dept Of Portuguese,
Seminar Of The Topic Of Coastal Regulation Zones	06/08/2019	60	DBT Star College Scheme
Physics Subject Talk -II-Dr. Santosh Kumar Das	31/08/2019	35	School Of Physical Sciences, Indian Institute Of Technology, Goa
Framing 'Technology And Society'	23/09/2019	105	D.D.Konsambi Chair-Goa University
Certificate Course On Wildlife Monitoring Techniques	05/12/2019	32	Directorate Higher Of Education, Goa
Physics Subject Talk II - By Prof. Vijay Singh	23/12/2019	64	Homi Bhabha Centre For Excellence In Basic Sciences, Mumbai.
Women In Gandhian Satyagraha	01/02/2020	85	Nana Shrigaonkar Chair-Goa Univeristy
Physics Subject	06/02/2020	65	Indian Institute

Talk IV- By Dr. Sudipta Kanungo			Of Technology, Goa
Short-Term Training Course On The Entrepreneurial Opportunities In Fermentation Food Technology 24	24/02/2020	25	DHE, Goa
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	BSc Zoology Competitive Exam/career guidance	55	1	9	1
2019	My Career through Sociology: Panel Discussion	Nill	67	Nill	Nill
2019	Economics Career Guidance	Nill	38	Nill	Nill
2019	Computer Science Career Guidance with Mr. Mahesh Matha	Nill	19	Nill	Nill
2020	Psychology Career Talk 1	Nill	80	Nill	Nill
2020	Psychology Career Talk 2	Nill	80	Nill	Nill
2019	Future Connect with Summedhh Bilgi	Nill	11	Nill	Nill
2020	Career Guidance for Geologists with Mr. Akshay Kelkar	Nill	52	Nill	Nill

2020	Geology Career Guidance talk by Kiran Sawant Alumni and proprietor of Dip Direction	Nill	120	Nill	Nill
2020	Competitive exam Guidance (GU-ART)	3	Nill	3	3
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
6	6	40

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
NA	Nill	Nill	Greenbull Cloud Solutions Pvt Ltd, Margao, Ctrlsave Pvt Ltd, Garrison Engineer Gomantak, Dstudios, Dip Direction Company, Food By Kilo Business, Montana Bakery, Adaan Décor, Simplilearn, Easy Buy Shopping Mart, Rotary Of Club, Health Center etc.	60	60
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	Bachelor's of Arts	B.A. Marathi	Savitibai Phule Pune University	MA Marathi
2020	1	Bachelor's of Arts	B.A. Hindi	CSMU Chatrapatti Shivaji Maharaj University Mumbai	PG- Mass Media commun ication -MMC
2020	1	Bachelor's of Arts	B.A. Economics	St Joseph's College Autonomous Bangalore	MA Economics
2020	1	Bachelor's of Science	B.Sc. Zoology	St. Thomas College Kerala	Msc in Zoology
2020	1	Bachelor's of Science	B.Sc. Geology	Central University of Karnataka	PG, Earth Science
2020	1	Bachelor's of Science	B.Sc. Physics	I.I.T Ahmedabad	MSc in Physics
2020	3	Bachelor's of Science	B.Sc. Computer Science	Manipal Academy of Higher Education , Udupi, Karnataka	M.Sc in Business Analytics
2020	1	Bachelor's of Science	B.Sc. Chemistry	Govt. College of Arts, Science & Commerce, Kh andola, Marce la	M.Sc. Chemistry
2020	1	Bachelor's of Science	B.Sc. Biot echnology	Fergusson College, Pune	M.Sc. Biot echnology
2020	1	Bachelor's of Science	B.Sc. Geography	Sahyadri College of Education, Pune	M.ed
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	1

SET	5
TOFEL	3
Any Other	66
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Tathastu 2019	National Level Inter Collegiate Sporting Event	2700
Pegasus XII (2020) Intercollegiate Literary Festival (21 Events Over 2 Days)	National/State	118
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Silver Medal	National	1	Nill	AU180054	Gramopad hye Saachi Ajay
2020	Bronze medal	National	1	Nill	AU180067	Shet Narvekar Kiran Gurudas
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The students' and sports council of college are elected in accordance with the rules and guidelines of Goa University. The college conducts elections in the month of July and the newly elected council undertakes its responsibilities after the inauguration of students council every year. This year the election process started on August 21st and the council inauguration took place on August 27th 2019. The aims objectives of the college students' and sports council are (a) To promote mutual contact, a democratic outlook and a spirit of oneness among the students. (b) To promote the social, cultural and intellectual development of the students of the college. (c) To promote consciousness among the students of the events taking place around them with a view to better equipping them as responsible and educated citizens and to build up a healthy students' movement. (d) To promote among the students, sense of service to the people and duty towards the state. (e) To promote harmonious relations among all sections of the college community, and inculcate scientific temper amongst the student community. (f) To meet, discuss and make suggestions to the college authorities on matters concerning common interest of the students. (g) To create awareness about eco-conservation and environment. The functions of college student's council are (a) Organise Literary, Social Cultural functions i.e., organising debates, lectures, seminars, study circles, essay competitions, dramatic contests, college entertainments, publications of magazines, bulletins of wall newspapers, and such other functions. (b) Social

Service Functions leading to making students better citizens by carrying out social relief-programmes in a flood or drought or any other natural calamity, organising blood donation camps, organising and running co-operatives etc. and such related functions. (c) To help weaker sections of the student Community by organising book banks, poor students fund to provide lump sum grant or scholarships. This also entails collection of funds from outside sources to have more resources for the purpose. (d) To assist, supervise various Art, Cultural, Literary, Social Outreach, Life Skills, Sports and Healthy lifestyle Clubs governed by students. Chowgule College students and sports council organise a variety of events, both at the Intra-college as well as the inter-collegiate level. The events for the students of the college are Literary Festival, Social Outreach festival, Art, culture and Music Festival, Voice of Chowgules, Chowrang (College annual gathering), Cultural day, Fun Week, Teachers Day, Tiger Sports Fiesta, Fitness test, Body evaluation test, Walkathon, Marathon, Plogging, Campus Run and Tower Run. The inter-collegiate festivals are Tathastu and Tiger Olympics. Chairman and/or General Secretary are nominated as members of college Gender Champion committee, Internal Complaint Committee, College Anti Ragging and Disciplinary Committee and College Extracurricular Activity Committee. Apart from the above the general member body of the Students Council are active as General Secretaries in various Clubs (Sports and Cultural). This is an outcome of the decentralization and Non-evaluative Credit policy as administered in the college. The positive outcome of the above is seen in the robust all-round development in all the students as independent decision-making is not only relegated to a handful of students, but is the privilege of a larger student body.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni play a significant role. The alumni act as ambassadors to brand the college. Alumni have been actively involved in giving academic feedbacks as members of Board of Studies of the autonomous college, supporting students financially, voluntary activities as resource persons for workshops and guest lectures. During the last academic year, the department of Computer Science, Psychology, Sociology and Botany invited their ex-students as resource persons to deliver guest lectures / to talk on career guidance. Alumni also shared their experiences to enhance employability skills of students and also develop academia-industry linkages. The College has a link on our college website where alumni register. The college has an Alumni Newsletter named Alumni Connect has been initiated to help to strengthen the connection that alumni have to their institution. Photographs of the activities and archive photos are also posted on this link. Alumni Association has been registered and there have been proper by-laws formulated for smooth functioning of the alumni chapter.

5.4.2 – No. of registered Alumni:

1058

5.4.3 – Alumni contribution during the year (in Rupees) :

225000

5.4.4 – Meetings/activities organized by Alumni Association :

S.No. DEPARTMENT ACTIVITY 1. Computer Science Guest lecture 2. Psychology Guest lecture 3. Botany Guest lecture 4. Sociology Guest lecture 5. English Alumni Connect - Career Talk 6. Geology Career Talk to Higher Secondary Students

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

a. **Social Credits:** During the academic year 2019-20, one of the initiatives undertaken was introduction of "social credit" under the non-evaluative unit of the curriculum. The Objective of this initiative was to make students aware and sensitive to social and environmental issues at the local level. Under these Non -evaluative credits, every student to earn 2 credits (60 hours) as social credits. To accommodate these in the time table, the post lunch period of every Tuesday is reserved for the students to take up some initiative. Such Credits could be earned by a student for taking up an activity on campus or off campus. The activities could be covered under the banner of NSS, NCC or under those designed by a department. Further, it was also undertaken by collaborating with external agencies i.e. Kamfar environmental solutions, Dilasha Palliative Care Centre (Ponda), Provedria (Margao). The prominent activities under the social credit initiatives were Colva Beach Cleaning drive, making of cloth and paper bags, Imparting of skills in the children of the marginalised local community through activities, campus cleaning, Participation in awareness drives, etc. Some of the issues and challenges faced were difficulty in Coordination, Awareness and enthusiasm amongst the students and creation of spectrum of activities by the college.

b. **Multiple use of E Learning for teaching learning** The college has been at the forefront of using technology in teaching -learning and evaluation. Apart from the college adopting e learning platforms : CLAAP (MOODLE) and Google classroom by all the faculty, the faculty deans and departments in collaboration with the Centre for teaching -Learning, organised regular in-house training and interactive sessions for the college faculty. The objective was to upgrade E-content and OER, Online Transaction - The New Normal, Blended Learning - Boosting Student Engagement, Teaching Methodologies and E-assessment, Multimedia Editing S/W, E-portfolio method etc The focus has been Transitioning to online Instruction (from face to face classroom): towards creating Learner- Centric Environment. All this has helped the college for the smooth transition from classroom teaching to on line teaching, especially during this Pandemic COVID 2019 situations. The college was able to successfully conduct online classes and also semester End Examination and continuous assessment .

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	All the departments conduct meetings of their respective Board of Studies. Stress is laid in reviewing and upgrading the prescribed courses, keeping in mind the current day requirements. As the BOS is composed of members from varying sections, the inputs provided are highly valuable. During this academic year, all The departments adopted LOCF (learning Outcome based Curriculum Framework) as proposed by the University Grant Commission. All the academic

departments streamlined the syllabus, in accordance with the different methods of teaching-learning-evaluation. As a first step, mapping of Course Outcomes and Programme Outcomes has been initiated.

Teaching and Learning

There is a constant effort to encourage faculty members to employ multiple methods of teaching learning. Accordingly, workshops and hands on training programmes were organised. Portfolio method, Field-based learning Project based learning and Research Based Pedagogy teaching were few new methods adopted by the faculty.

Examination and Evaluation

In the examination system adopted by the college, each individual course teacher enjoys the freedom to adopt any of the methods of evaluating the respective students from amongst: 1. Continuous Assessment (C.A.) only 2. Continuous Assessment with Mid-Term Test and a Sem End Examination (SEE) 3. Continuous Assessment and Sem End Examination 4. Continuous Assessment and submission of a portfolio. The entire process though is monitored by the examination cell headed by the Controller of Examination (COE), which prepares a schedule and conducts the SEE. The Choice of mode for continuous assessment is exercised by individual teachers, who notify the schedule and the mode of assessment to their respective students in advance. The question papers that are set for the SEE are regulated and checked by the examination Cell. Care is taken, on instructions from the cell to provide equal weightage to every module /unit of the prescribed syllabus in a course and a declaration to that effect i.e. invited from the concerned teacher. From two of the manuscripts provided by a teacher one is chosen at random for an examination. As an innovation an opportunity of a retake of the examination is made available to unsuccessful students within a month from the declaration of results of the regular examination.

Research and Development

There is a constant perseverance to augment and promote research amongst faculty members and students. During this academic year, the research committee and IQAC undertook multiple initiatives to further promotion of

research in the institution. Workshops and seminars were conducted on 'Funding bodies for availing research grants', 'Research Data management - ORCID registration etc. Various research related documents and research policies were re formulated in accordance to the UGC guidelines .An Ethical Policy was drafted and committee was formulated to process and approve all research project proposal and to ensure protocols of research ethics are followed by the faculty and students.

Library, ICT and Physical Infrastructure / Instrumentation

The college prepares estimate budget of financial requirement for the maintenance and upgradation of the Library, ICT and physical infrastructure / instrumentation. This budget is presented to the management by the principal for the approval. Accordingly, works are undertaken as per the budget allocation. Annual stock checking was undertaken. Audits both internal and External was undertaken. Internal Audit of the infrastructure was carried and accordingly documented as per the government audit service books of all the staff members are Specifically followed SR197, pay bill register, GAR15 under receipt and payment rules 1997, Govt. Of Goa.

Human Resource Management

The recruitment process is governed by UGC and state government regulations. The selection process is attuned towards recruiting competent and committed faculty. For effective management of the Human Resource, committees are formulated and responsibilities of each of the committee was streamlined.

Industry Interaction / Collaboration

Office of internship was established to facilitate students with their internship Programme .The Internship office lasoned with various industries for the same. Many departments had academia - industry talks and lecture series.

Admission of Students

The College has an online admission system. Students apply for various courses to the college portal www.chowgules.ac.in/admission based on the number of seats for various programmes merit list is prepared and counselling session is conducted by the faculty of every departments. The college and few departments also

conducted open seminars for the parents and prospective students to know about the various courses and college infrastructure to facilitate better admission process. After the admission in accordance to the UGC guidelines the college conducts orientation / induction programmes for all newly joined students to orient them about the course structure, modes of examination, students support services etc. are explained. Lastly, as a part of safety net mentoring programme is held.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	1. All reports are submitted online which helps in documentation. 2. Applications for any course are received online that helps in scrutiny and interviews of the Human Resource requirements. 3. Library System 4. ICT 5. Computerization of data 6. Training programme 7. Registration 8. Admissions 9. Examination 10. Result processing 11. Teaching 12. Strategy and policies
Administration	For the purpose of administration, the college uses domain specific email id principal@chowgules.ac.in for all communication. For various administrative works there is a specific email for all Committees such as iqac@chowgules.ac.in for communication within the college and to concerned offices. The teachers and students have domain specific email id for all communication. The college has biometric attendance for teaching and non teaching staff. All students and staff have a I-card printed in-house. Printer Evolis Dualys is used for printing cards. E-media Designer card software is used in printing the cards. Online facility for booking of college facility like auditorium, seminar hall, quad etc. Helps in better administration of office. Teachers login through the login portal 2019 enable teacher to update the teachers profile, attendance entry, check the class schedules, upload their news/activities/newsletters, view mentor - mentee performance etc.
Finance and Accounts	- The college uses tally and PFMS software for all the financial transactions. - Tally: Payrolls and

	accountings. - PFMS: Vendor transactions.
Student Admission and Support	- Online admissions - Gateway payments - Online Feedback of teachers Assessment - Online Student Survey - LMS - learning Management system (Chowgules Learning Anytime Any Place (CLAAP) and Google classroom) - Online booking for the facilities like booking of auditorium, futsal court etc - Online registration for students activity and sport club membership.
Examination	- Online Internal assessment - problem based, assignment writing, Multi Choice Questions (MCQ), The schedule of examinations with a detail time table is made available to the students on the college website well in advance. - On assessing the answer books/ assignments / portfolios the teacher concerned has to upload the marks scored by students using the software used by the college. The results are then generated, analysed and are declared on the website. - College has developed an inhouse software for result processing.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Madhavi Motankar	World Congress on Biotechnolgy Health Care Summit- 2019 held at Bangalore	NA	6985
2019	R.Kanchana	workshop on Green Audit	NA	4280
2019	Bhavya Bhat	workshop on Basic Molecular Biology Laboratory Tools Techniques	NA	4500
2019	Sarah Mesquita	workshop on Basic Molecular Biology Laboratory Tools	NA	4500

		Techniques		
2019	Supriya N Prabhu Khorjuvenkar	workshop on Basic Molecular Biology Laboratory Tools Techniques	NA	4500
2019	Shaila Ghanti	workshop on NAAC Accreditation at Dhempe College	NA	600
2019	V. C. Kumaresh	workshop on NAAC Accreditation at Dhempe College	NA	600
2020	Sangeeta Sankhalkar	UGC -SAP National Seminar	NA	2000
2020	Nandkumar N. Sawant	National conference AICP 2020	NA	14000
2020	Yatin Dessai	National Conference Frontiers in Medicinal Chemistry Nanotechnology	NA	2200
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	NA	Workshop on "Skill Enhancement t24	24/06/2019	29/12/2020	Nill	6
2019	Workshop On Attainment Of Course Outcomes	NA	21/06/2019	21/06/2019	68	Nill
2019	Workshop on Outcome Based Education	NA	30/08/2019	30/08/2019	30	Nill
2019	Workshop on	NA	14/11/2019	14/11/2019	17	Nill

	Research Data Management for Facilitating H index Calculation (Bibliometrics)					
2019	Workshop on Power Point Presentation	NA	12/12/2019	12/12/2019	16	Nill
2019	Seminar on Metrics as a Measure of Scholarly Articles	NA	14/12/2019	14/12/2019	21	Nill
2019	Seminar on IPR: Its relevance in academics	NA	14/12/2019	14/12/2019	22	Nill
2020	Talk on IPR: Its relevance in academics by Ganesh Hingmare	NA	11/02/2020	11/02/2020	24	Nill
2020	Workshop on 'Research Based Pedagogical Tools'	NA	05/03/2020	07/03/2020	59	Nill
2020	NA	Hands on training on Google Forms	17/08/2020	17/08/2020	Nill	5
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Rehresher Course in Teaching on Clinmate Changes: A Guide	1	01/09/2019	09/02/2020	162

for teacher of all Disciplines				
Refresher course on online Guru Dakshata faculty Induction Programme	1	27/07/2020	25/08/2020	30
Orientation Programme	1	30/07/2019	26/08/2019	28
online course - "Basics in Chromatography	1	07/05/2020	16/05/2020	10
Completed online course on Remote Sensing GIS Technology and Applications for University Teachers Government Officials	1	13/06/2020	01/07/2020	25
Copernicus MOOC, March-May 2020	1	09/03/2020	28/05/2020	80
Faculty Induction Programme (FIP) in Life Sciences	1	30/10/2019	23/11/2019	25
International FDP on Research methods and analytical techniques	1	17/06/2020	23/12/2020	7
E- training on Micropalaeontology and C-14 Dating	2	21/07/2020	31/07/2020	10
One Week Online International Faculty Development Program on Innovations in Drug Delivery Systems	1	31/05/2020	05/06/2020	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
49	91	43	85

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group insurance scheme, Loan facility through Madgaon School Complex, Child care leave, Concession for fitness centre and physiotherapy on the campus. Freedom to use infrastructure beyond college hours and vacations, Counselling centre.	Group insurance scheme, Loan facility through Madgaon School Complex, Reimbursement medical and tuition fees, Child care leave, Concession for fitness centre and physiotherapy on the campus, Counselling centre.	Principal's aid fund, CAUSE, student's aid fund, scholarships instituted by alumni/ philanthropists, grievance cell, club system, concessional fees at fitness centre and physiotherapy, Counselling centre.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Institution conducts internal external audits regularly. Institutional audit is done by Internal Auditors appointed by Management being a Chartered Accountant firm . They scrutinize the accounts books maintained by the college with necessary vouchers. Audited statements are prepared as per the requirement of the Government Granting agencies, as per the accounting standards applicable to Society and as per other tax laws. Internal auditor see that all the applicable tax is paid to the Govt in time . Based on their observations they prepare a report and submit the same to the management and the college. Queries raised during internal audit are replied on day to day basis. In case replies are not given during the day the same are replied at a later date. There are no outstanding audit observations for last internal audit. External audit is done by audit staff from Govt. Granting agencies to see that college is following the guidelines laid down in pattern of assistance, staffing pattern and other government financial rules. During the various documents and books of accounts are verified like appointment letters, govt approvals, approved pay fixations , procedure followed in purchase Vouchers with all supportings , service books, Salary acquaintance register, bank books, ledgers etc. Queries are replied on the next day. After the audit , report is given to the college stating the recoveries if any to be made from the grants payable to the college with a time limit to reply with the observation. We have replied to all the queries for the last govt audit held in the college in August 2012 and the final recovery amount is already deducted from the grants paid to the college. So far there are no outstanding audit replies.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Blue Cross Laboratories Pvt. Ltd., Nanu Industries, Laxmi Civil Engg. Services Pvt. Ltd., Madams Choice, AJs, Ulhas Jewellers, Shruti Ventures, Raikar Sons	267300	Scholarship for deserving weak students, events like Tathastu 2019-2020, Shakespeare Festival, Cosfest Pegasus, and Mindkraft 2020

Jewellers,DVera Raikar
sons Jewellers, Ajay
Thorat, R. V. Pai etc.

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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Academic Deans
Administrative	No	Nill	No	Nill

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

NA

6.5.3 – Development programmes for support staff (at least three)

1. Six-Day Skill Enhancement Workshop for Laboratory Assistants Organized by the Directorate of Higher Education, Government of Goa In collaboration with Dhempe College of Arts Science, Miramar, Goa 24th – 29th June 2019. 2. A Certificate Course in "Computerized Accounting in Higher Educational Institutions" was conducted for the Clerical Staff of the college from 16th October 2019 to 10th November, 2019. Mr.Ramu P. Pagi, Faculty from the Department of Economics was the Resource Person for the same. The objective of the course was to acquire knowledge of principles and framework of accounting in higher education institutions and develop skills in the practice of accounting using software applications. A total of 09 clerical staff attended the same. 3. Wellness programme for teaching and non teaching staff.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Autonomy and introduction of choice based credit system. 2. Reforms in teaching learning and Evaluation. 3. Collaboration with International institutions.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Orientation Programme on SEC GEC	25/06/2019	25/06/2019	27/06/2019	233
2019	Workshop On	21/06/2019	21/06/2019	22/07/2019	68

	Attainment Of Course Outcomes				
2019	Orientation on Research Methodology	12/07/2019	12/07/2019	12/07/2019	101
2019	Workshop on Build your E- Portfolio	24/08/2019	24/08/2019	24/08/2019	75
2019	Workshop on Outcome Based Education	30/08/2019	30/08/2019	30/08/2019	30
2019	Workshop on Research Data Management for Facilitating H index Calculation (Bibliometri cs)	14/11/2019	14/11/2019	14/11/2019	17
2020	Workshop on Academic Writing and Integrity	07/01/2020	07/01/2020	07/01/2020	12
2020	Workshop for Certificate course on Palliative Care	10/01/2020	10/01/2020	10/01/2020	34
2020	Orientation on Counselling	10/01/2020	10/01/2020	10/01/2020	282
2020	Prerna Diwas	27/02/2020	27/02/2020	28/02/2020	1021
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
World Population Day:	11/07/2019	11/07/2019	33	22

Theme on 'Reproductive health and gender equality' by Dr. Ruchika Vernekar.				
Talk on 'Women in Gandhian Satyagraha' by Prof. Vidhya Shah	01/02/2020	01/02/2020	70	15
Menstrual Hygiene Programme in the Tribal Village of Marle	07/03/2020	08/03/2020	60	6
A Talk on "Women in Goa: Turning Challenges in to Opportunities".	08/03/2020	08/03/2020	16	Nill
International Women's Day: Awareness talk on PCOS and Menopause by Dr. Sawani Hegde Surlakar a Gynaecologist	09/03/2020	09/03/2020	69	12
International Women's Day: Poster Making Competition	09/03/2020	09/03/2020	23	4
Street play: 'Satyamev Jayate', on the theme of liberty, equality, justice and highlighted issues of gender sensitisation, justice, equality and freedom of expression.	26/01/2020	26/01/2020	9	8

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Energy Management initiatives • As per the recommendation of Green audit report 2018-19, The sanctioned load is reduced to 300 KVA to save Rs 37,500/- per month i.e. Rs 4.5 lakhs/year. • Installation of 9 solar panels - The solar panels were installed in December 2019 of capacity 330 KW with consumption of 2.75 KW. No storage facility available. Connectivity is given to block 'D' of the campus. Reduction of Rs. 3,146/- per month of the current bill has been noticed. • Installation of six solar powered LED street lights in the college campus. • Replacement of tube lights with LED bulbs. - Saving of Rs. 36,000 per month has been noticed after replacing the tube lights to LED lights in the campus. • College energy consumption is being regularly tracked during working hours by Estate manager and his team. • Conducting save energy awareness programs for students and staff. • CRT monitors being replaced with LCD/LED monitors • Save energy, labels/messages are put in strategic locations which are one of the most cost effective tools for improving energy efficiency of appliances/equipment.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	Nil
Scribes for examination	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	30/06/2019	1	Colva Beach Cleanup drive	To clean the beach and create awareness among the local community on waste management	80
2019	Nil	1	28/08/2019	1	Colva Beach Cleanup drive	collected nearly 600 kilos of garbage	80
2019	Nil	1	10/10/2019	1	Field data coll	Submitted	31

					ection and demarcating the coastal features on the Coastal Zone Management Plan in a ssociatio n with NGO Rainbow Warriors	a corrected version of the Coastal Zone Management Plan to Government of Goa.	
2019	Nill	1	16/08/2019	1	Mop Up Day (MUD) at various schools in association with the health officers of 'Urban health Centre' Margao Goa.	Monitoring Deworming of children in Anganwadis, Schools and Higher Secondaries	3
2019	Nill	1	07/06/2019	1	Study of Economic revival plan for selected villages Panchayats in Salcete taluka.	A proposal under 'Revenue Generating Sector' (RGS) for Village panchayats	13
2020	Nill	1	11/06/2020	1	Swacchata	Maha Swacchata Pakhwada cum Mega Pollution Awareness Pakhwada an orientation and awareness program	1

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Title	Date of publication	Follow up(max 100 words)
Code of conduct (handbooks)	20/07/2020	<p>At the time of admission, each student must sign a statement accepting the Code by giving an undertaking.</p> <p>The college conducts induction program for the students to orient them about the rules, regulations and facilities available on the campus for students.</p> <p>If there is a case against a student for a possible breach of code of conduct, then the respective committee will recommend a suitable disciplinary action violation and accordingly suggest the action to be taken against the said student.</p>
Standard Operating Procedure on Preventive Measure to contain spread of COVID-19	17/08/2020	<p>Verifying the ID cards, wearing mask and thermal scanning of all individuals is done by the security staff while entering the campus. Physical distancing norm of 6 feet between individuals is being maintained at all places within the campus. Foot operated sanitizer stand are also installed in all the buildings. The college emphasise on having Aarogya Setu app on mobile phones.</p> <p>Meetings are being conducted online wherever possible to avoid large gathering. Common areas and toilets are being disinfected periodically by the housekeeping staff.</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Maha Swacchata Pakhwada cum Mega Pollution Awareness Pakhwada an	11/06/2019	11/06/2019	27

orientation and awareness program			
Kargil Vijay Diwas	26/06/2019	26/06/2019	50
World population day	11/07/2019	11/07/2019	55
Awareness programme on 'No Single Use Plastic' (No SUP)	13/07/2019	13/07/2019	50
Workshop on 'Human Rights'	09/08/2019	09/08/2019	38
'Asmitai Dis' on the occasion of the historic Opinion Poll Day: A quiz competition on the theme 'Goan history, literature, culture and heritage'	16/01/2020	16/01/2020	6
Republic Day - street play on liberty, equality, justice and the role of media in a democracy and a speech on 'Freedom of Speech and Expression', enshrined in the Indian Constitution	26/01/2020	26/01/2020	361
Talk on 'Women in Gandhian Satyagraha by Prof. Vidhya Shah under Directorate of Visiting Research Professor Programme, Nana Shirgoankar Chair in Indian Music of Goa University	01/02/2020	01/02/2020	85
Created two different posters on COVID 19 awareness on Symptoms Maintaining hygiene Govt. website details for updates on Covid 19 Dos and Dents and this was distributed to various	16/03/2020	18/03/2020	3

stakeholders.			
World Environment Day: 'Poster making event' on the theme "Time for Nature"	05/06/2020	05/06/2020	26
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Our College has been granted Rs. 5000 /- under the Green initiative for organizing green campus and community related activities for the academic year 2019-20 by the DHE under National Green Corps when our college faculty members (Nandini Vaz Fernandes, Madhu Balekai, Amisha Pednekar and Divyarani Rivonkar) attended the 'Eco Training Workshop' under the aegis of 'National Green Corps, held on 30th September, 2019 at Ravindra Bhavan, Margao Goa. 2. Following Awareness /Workshop/talks were conducted by various departments of the college for their students: a. Awareness Initiative under DBT Star College scheme Save Energy Save Water: Poster s were prepared and put in offices, departmental lab, staff room, washrooms and other establishments. Written message was 'Save Energy and Save Water'. b. An awareness programme on 'No Single Use Plastic (No SUP)' was organized by the Department of Botany of our College in association with Arannya Environment Research Organization (AERO) on 13th July 2019 in the College Auditorium. Resource person was Mr. Vignesh Shinde, content designer and outreach person of Arannya ERO was the speaker. He emphasized on how we need to reduce the use of plastic especially single use plastic. c. Two days Workshop on Kitchen Gardening was organized by Department of Botany for their students on 11th 12th December 2019 wherein resource persons were from the industry line iei. Dr. Thangam, Principal Scientist (Vegetable Science), ICAR Ms. Maneesha S.R., Scientist (Fruit Science), ICAR Mr. Viprav Prabhugaonkar, Entrepreneur, GHK Sprouting Dreams Ms. Bhagyashree Shaikh, Co-founder of EASE ECO Goa Ms. Richa Dessai, Block Technology Manager, Department of Agriculture, Government of Goa. d. Awareness On Sewage Disposal And Medical Waste Management dtd. 12-10-2019: The students used posters to create awareness on Sewage disposal and medical waste management. Different methods of waste segregation were explained to the college students. They also informed as to how waste can be segregated at home, as proper segregation is the best way to manage waste. e. Awareness On Importance Of Vermicomposting dtd. 27-09-2019: The students used posters to explain the importance of vermicomposting. The aim was to educate students on the process and techniques of vermicomposting. They encouraged other students to practice it, as vermicomposting not only helps in eliminating waste but also produces compost that can be used as an organic fertilizer. 3. Labeling Waste-Bins For Enable Segregation Of Waste dtd. 18-10-2019: All student of the SEC course labelled the waste-bins on the campus. The bins were labelled to enable waste segregation on the campus. The bins were labelled for segregation of food waste, plastic, tetra packs, paper, leaf litter and metal.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE I: 1. Title of the Practice :TECHNOLOGY INTEGRATED LEARNING 2. Objectives of the Practice: • To make the students self-learners • To shift from teacher centric to student centric through various teaching methodologies • To incorporate Web based teaching tools in the teaching-learning and evaluation process. 3. The Context: As there is a need to shift from theoretical based learning to applied knowledge the shift in teaching-learning process is needed that will enable students to face real life problems to ensure the holistic development of students. There was an urgent need for

transition into online modes of teaching, learning, and assessment due to pandemic situation. 4. The Practice: • Learning Management System (LMS) have been used in the Institution since 2010 wherein MOODLE is a mandatory ICT tool widely used. • Faculty create course page on the LMS (Google Classroom/MOODLE) wherein Course details and Schedule, List of Mandatory and Supplementary references, Class policies, Assessment schemes, etc are made available • Lecture notes, research articles, videos, web links are made available to students that has helped the students to take the leap from a defined text book content to research-based learning. • ICT enabled Teaching-Learning Process with use of LCD projectors is used regularly for conducting classes, practical sessions, seminars, workshops. • Institution has a Centre for Teaching-learning with audio visual facility comprising of smart board being used by many faculties. • Video Recording Software's were used prepare videos to be made available to students via LMS. • For face-to-face interaction, Google meet and its various extensions like meet attendance and full screen shot were used. The hardware tools like stylus pen, graphic tablet, HD camera, lapel mike was used by the faculty in self-learning mode to make the e-learning effective. 5.

Evidence of Success: • Along with faculty, student's adaptability to technology and new modes of learning brought them in par with global learning experience.

• The institution now has a vast repository of offline videos. In order to maintain quality and standards, the Centre for Teaching Learning (CTL) of the institution has prepared a handbook to help Faculty that contains guidelines/formats to display courses in the LMS and tips on effective design of slides. •

The Internal Quality Assurance Cell (IQAC) of the institution has prepared two Handbooks on Teaching-Learning (TL) Methods and Assessment Handbook. 6.

Problems Encountered and Resources Required: The Faculty need to be trained more on the various options that are available for teaching, learning as well as evaluation in an online/web-based environment. One drawback of the practice was the inability to conduct practical as far as the science stream is concerned. Another major setback is not being able to ensure the authenticity of student responses when evaluations are strictly online. Internet

Connectivity issues have still remained a point of concern. BEST PRACTICE II 1.

Title of the Practice: NON EVALUATIVE CREDITS FOR EXTRACURRICULAR ACTIVITIES THROUGH CHOWGULE COLLEGE STUDENT CLUB SYSTEM 2. OBJECTIVES OF THE PRACTICE: i.

To set and maintain appropriate standards for conduct of extracurricular activities. ii. To maintain these standards by following statutory requirements, established best practices and guidance and to review and improve these practices on a continuing basis. iii. To ensure that all students and faculty members involved in extracurricular activities are informed of these standards by effective training, communication and supervision. iv. To ensure extracurricular activity administrating responsibilities are properly assigned and discharge them with reasonable care. v. To encourage the participation of students in extracurricular activities and the promotion of effective joint efforts between students' administrative bodies and faculty consultation in extracurricular activity matters, and to see that suitable arrangements exist within the college to further such joint consultation. vi. To abide by the college extracurricular policy and imply the same while collaborating with other institutions, organisation, agencies 3. The Context: The challenging issues that were persisting prior to implement this practice were • Only

options available to students are NSS, NCC and Sports. • No definite annual calendar of activities. • No systematic budget planning and administrative procedures. • Lesser involvement of student and faculties in extracurricular activities. • Overlapping of academic and extracurricular activities.

Challenging issues post implementation of this practice • Formulation of policy covering a massive set of activities involving a large number of students and faculties in administrative and supervising work are pertaining to the activities. • convincing student administrative bodies to follow a proper guideline in planning, proposing and administrating activities as per the

policy 4. The Practice: The extracurricular activities are divided in four major fractions, NSS, NCC, Sports and Other Extracurricular activities. NSS, NCC and Sports has a pre-defined curriculum and is governed by NSS programme officer or NCC officer as per the directives of respective central and state agencies. Sports is managed by Department of Physical Education and Sports Management and is in accordance with the Inter Collegiate programme offered by Goa University. The group of other extracurricular activities are further divided in to five sub groups. These sub groups are Healthy Lifestyle Activities, Literary Activities, Social Outreach Activities, Art and Cultural Activities and Life Skill activities. These activities are managed by Student initiated and governed clubs under the supervision of faculty members. Clubs, active in similar functional area, are grouped together. Each group of clubs is supervised by a faculty adviser. Each club is under a supervision of a faculty member. As of now there are 62 affiliated club. The entire student club logistic management system is administered by College Club management board comprising of students. The college extracurricular activity committee governs the entire programme as per the Extracurricular activity policy. There is a provision of two hours per week in the college time table for club members to pursue the activity of their choice.

5. Evidence of Success: The students were empowered to manage their respective activity through formation of club in the functional area and from 4 clubs in the initial year today there are 62 different clubs. The total number of students enrolled for these clubs have increased from 68 in the year 2010-2011 to 1236 in 2019-2020. Implementation of non-evaluative credits in extracurricular activities from academic year 2015-16 and introducing social credits as an additional component from 2020-21. The college academic council has formulated and passed an ordinance pertaining to allotment of 6 non evaluative credits in extracurricular activities in 2015 and formulating a policy of introducing 4 credits in other extracurricular activity and 2 social credits as compulsory from academic year 2021 -22.

6. Problems Encountered and Resources Required:

- Setting up of an office of students' affairs for handling registration and day to day monitoring of the activities.
- Training students to administrate activities.
- Students submitting data in the handwritten format instead of the prescribed e-format
- Need of a specific portal for Non-Evaluative Credits on college website

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://node01.chowgules.ac.in/pub/webassets/NAAC/aqar2019-20/7.2-BEST%20PRACTICES%20I%20&%20II.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Transfer of Credits: To provide a framework for promoting and facilitating the Inter-university transfer of credits and mobility of students across different Universities of India and abroad. The student is required to take up courses in UG/ PG programme for one semester or one full academic year of Institutions with which the college has MOU. The credit earned at the host Institution will be transferred to the regular programme of the college on satisfying following conditions:

- Students taking admission for different courses at host Institutions should ensure that these courses are corresponding courses of those being floated at home institution and are approved by respective Board of Studies (BOS) of the home Institution.
- The credits earned by the students should comprise of the same rigour as credits earned in home institution.
- The credits earned by students from Universities that have the credit system in place, a course work requiring a minimum of 15 contact hours shall be considered as equivalent to 1 credit of the University for Undergraduate and

Post Graduate programmes. d. The grade card issued to students at the end of each semester will contain the following: • Course name and the credits for each course registered in the semester/ academic year. • The performance in each subject by the letter grade obtained • The total number of credits earned up to the end of that semester/ academic year. Board of Studies of the College shall be the members for receiving and processing the final request for accepting the transfer of credits. On completion of the course at the host University the student is required to present the original transcripts earned for verification and acceptance to the Board of Studies. The College has Academic exchange collaboration with three Universities abroad. Universities being Kansai University, Osaka Japan, Waseda University, Tokyo, Japan and U. Porto, Portugal. In the academic year 2019- 20, three students from Chowgule College went to University of Porto as exchange students for two semesters. The students were namely Charmaine Pereira (TYBA), Amanda D'Costa (SYBA), Srushti Prabhudessai (SYBA). All three students completed their courses as exchange mobility student's successfully and are eligible for transfer of credits for the respective academic year. On successful completion of their graduation at Chowgule College they can attain upto 40 transferable credits from University of Porto.

Provide the weblink of the institution

<http://node01.chowgules.ac.in/pub/webassets/NAAC/agar2019-20/7.3-Institutional%20Distinctiveness-%20Transfer%20of%20Credits.pdf>

8.Future Plans of Actions for Next Academic Year

i. In view of the college promoting the use of web-based LMS like moodle and Google classroom amongst the faculty and students over the past years, a need always remains to train and acclimatise the freshly appointed faculty in adopting this technology in their teaching-learning and evaluation process with the creeping in innovation methods in the usage of these tools, the college intends to conduct workshop /training sessions to keep the faculty abreast with new methods for effective teaching-learning and evaluation. ii. The Board of Studies in every subject will be guided in preparing LOCF document in line with the guidelines set by the UGC. On procuring the approval of the Academic Council, the LOCF will serve to achieve the objectives set by a department in imparting quality education in the subject , keeping in line the vision of the department. iii. The attainment of the Course Outcomes set by a department for each of the course offered in its programme will be implemented in a phased manner with the course being offered at first year level to be set as the target.