Academic Audit Report

2018-19

PHYSICAL AND EARTH SCIENCES,

PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE, AUTONOMOUS, MARGAO-GOA SUBMITTED BY:

DR.(MS).SAMEENA FALLEIRO
DEAN – PHYSICAL AND EARTH SCIENCES
PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE, AUTONOMOUS, MARGAO-GOA
JUNE 2019

1. Introduction

The Academic Audit of the Physical and Earth Sciences (PES) for the Academic Year 2018-2019 was conducted in the month of March 2019 for the Odd Semesters i.e 1st, 3rd and 5th and in the month of April 2019 for the Even Semesters i.e 2nd, 4th and 6th. The Heads of the departments (HODs) conducted the Academic Audit for their respective departments. The Audit Form was circulated to all faculty members of the departments and they were asked to submit the duly filled in form along with the necessary documentary evidence to their respective HODs at the time of Audit. Course Coordinators, did the Audit for some departments. Besides, the Dean also audited some faculty from other departments.

All HODS were the Audit Panel Members. All Faculty members actively participated and cooperated in this exercise. This Audit Report is a compilation of all the Individual Department Faculty Audits and it consolidates the findings and puts forth the suggestions and area of improvements possible in the future.

It may be noted that the Audit in the Mathematics Department has not been conducted/submitted in spite of repeated reminders to the HOD/Faculty.

Note that the Consolidated Academic Report for Odd and Even Semesters is given in the end as Appendix –I and Appendix-II respectively and Appendix-III contains the signatures of the Academic Audit Panel Members/HODs.

OBSERVATIONS/COMMENTS AS FOLLOWS:

TEACHING -LEARNING:

Departments are using the following TL Methods

- Use of ICT based Blended Learning Approach
 - Faculty resort to use of Presentation techniques namely using S/W like Power Point presentations along with Traditional method during classroom teaching.
- Use of Interactive methods like Q&A; Discussions, Case Studies etc are encouraged.
- New methods like Flipped Learning & POGIL were also used.
- Out of Classroom ICT usage is in the form of LMS like Google Classroom and CLAAP
- There was also usage of Flipped Learning; Identifying some students as Mentors to mentor
 weak students these Student mentors were assigned to weaker students for better
 understanding of concepts.; Use of Audio-Video Visuals;
- Field Visits
- Final year projects done wrt Community benefit, inculcating scientific temper, research and latest technologies.

EVALUATION & ASSESSMENT:

- The Continuous Evaluation process is followed in the laboratory by all departments.
- Maintenance of all practical records was kept. This is maintained either in an Ejournal format or in other as specified by respective departments and Faculty.
- Mini projects, live demonstrations, creation of models etc are some innovative means that Faculty have used.
- Sufficient time was given to the students before the Practical and Continuous internal Assessments
- Results were declared timely
- Marking Scheme was disclosed
- Feedback on assessment was shared with the students i.e the Progress of CA & PA was discussed within a week's time with students
- Multiple Modes of assessment were used. However, the written test & MCQ were most widely used.

OVERALL COMMENTS:

- Fundamental rules and regulations of the College and Examination Cell have been adhered to by all PES Department Faculty.
- Students are given good exposure to state of art practical work/demonstrations/live projects etc. and it is further enhanced by linking internships etc.
- Totackle the problem of mass absenteeism of students in some instances, the Faculty should mark all the students as absent when the lecture/contact hour is a scheduled one and teacher is present.
- The Course Units that are considered too heavy or too light must be referred to the Board of Studies for revision.
- To encourage the faculty to provide other learning resources to students, teaching methods that support such use such as the Flipped classroom and POGIL (Process Oriented Guided Inquiry Learning) and other methods should be introduced time to time.
- Training programmes or workshop should be conducted to enable Faculty to use such teaching-learning methods.
- To bring about uniformity in the interpretation of the various teaching-learning methodologies, the IQAC (Internal Quality Assurance Cell) prepared handbook of teaching methods to be used to ensure uniformity of its interpretation and meaning.
- Each Department should monitor and document the methods used by their faculty members for the purpose of continuous assessment.
- The Faculty members should participate in conferences, workshops etc. during non-instructional days or during vacations; they should also record student attendance for field trips, competitions etc.

APPENDIX -1

COMPILED ACADEMIC AUDIT REPORTS OF THE HEAD OF DEPARTMENTS – ODD SEMESTER (2018-2019)

Parvatibai Chowgule College of Arts and Science (Autonomous)

NAME OF THE PROGRAMME: B.Sc(Semester I/III/V)

DISCIPLINE: PHYSICAL AND EARTH SCIENCES

CONSOLIDATED REPORT OF COURSES AUDITED:

SN	Course Title,	Name Of The Faculty	Report On	Report On	Report On
	Course Code, Semester	Member	Teaching -Learning	Evaluation Of Course	Innovation
I	CHEMISTRY	Y			
1	General Physical and Inorganic Chemistry CHE-I.C-1	1)Manjita Porob 2)Anurag Naik	1)Interactive learning and power point presentation are employed along with Traditional method. 2)Lecture Power Point was uploaded on Goog classroom. 3)Lecture schedule where uploaded on Goog classroom at the beginning of semester. 4) Variance of lecture Nith Signature in number practicals for all batches Nith Variance in contact How of Practical for a batches06.	was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed as die 3)Feedback on assessment was shared with the students 4)Modes of assessment were written test and Problem solving 5) No weightage for higher order	Nil
2	General Organic and Inorganic Chemistry CHE-I.C-2	Padmini Raikar Anurag Naik	1)Interactive learning are power point presentationare employed along with Traditional method 2)Lecture Power Point was uploaded on Goog classroom	ns was given to the students before evaluation and results were declared on time	

			3)Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture Nil 5) Course and unit rating is just right 6) Variance in number of practicals for all batches-01 Variance in contact Hours of Practical for all batches06	was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were written test and Assignment 5) No weightage for higher order questions in CA 1	
3	ive Chemistry –I	Sachin Kakodkar Navita Naik	1)Interactive learning and power point presentations are employed along with Traditional method 2)Lecture Power Point was uploaded on Google classroom 3)Lecture schedule was uploaded on Google classroom at the beginning of semester 4)Lecture variance is Nil 5) Course and unit rating is just right 6)Variance in number of practical for batches -Nil 7) Variance in number of contact hours for practical of all batches is 08 hours	1)Sufficient time was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were written test & MCQ 5) No questions in CA 1 were of higher order	NIL
4	Name Reaction and Synthetic Methodologi es CHE-III.E-1	Padmini Raikar Mayuri Naik	1)Interactive learning and power point presentations are employed along with Traditional method 2)Lecture Power Point was uploaded on Google classroom 3)Lecture schedule was uploaded on Google classroom at the beginning of semester 4)Lecture variance is -01 5) Course and unit rating	1)Sufficient time was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4) Modes of assessment were	

			ic just right	writton toot 0	
			is just right 6) Variance in number of practical for all batches is 02	written test & Assignment. 5) 0% of the questions in CA I were of higher	
			7) Variance in number of contact hours for practical batches is 08 hrs	order	
5	Surface Chemistry and Catalysis CHE-III.E-3	Dr. Sachin Kakodkar Dr. Ganpat Naik	1) Interactive learning and power point presentations are employed along with Traditional method and problem solving. 2) Lecture Power Point and notes was uploaded on Google classroom 3) Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture is 0 5) Course and unit rating is just right 6) Variance in number of practical for all the batches is 0 7) Variance in number of contact hours for practical batches is as follows: Batch I & IV08	1)Sufficient time was given to the students before evaluation and results were declared on time 2) Marking Scheme was disclosed 3) Feedback on assessment was shared with the students 4) Modes of assessment were written test and MCQ. 5) 20% questions in CA 1 and CA 2 were of higher order	NIL
6	Bioinorganic	1)Lactina	Batch II & III10 1) Interactive learning and	1)Sufficient time	Dr. Lactina
0	Chemistry CHE-III.E-4	Gonsalves 2)Anagha Patil	power point presentations are employed along with Traditional method and problem solving. 2)Lecture Power Point was uploaded on Google classroom/CLAAP	was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed	Gonsalves has employed the technique of POGIL in teaching the course for 5% of the lectures.
			3)Lecture schedule was uploaded on Google classroom/CLAAP at the beginning of semester 4)Variance of lecture –Nil 5) Course and unit rating is just right	3)Feedback on assessment was shared with the students 4)Modes of assessment were written test& MCQ	

7	Advanced	1)Manjita Porob	6)Variance in number of practical for all batches is Nil 7) Variance in number of contact hours for practicals Batch 1, 2,306 Batch 408 1)Interactive learning and	5) 30% and 40% of the questions were of higher order In CAI &CAII respectively	NIL
	Chemistry –I CHE-V.C-7	2)Anurag Naik	power point presentations are employed along with Traditional method 2)Lecture Power Point was uploaded on Google classroom 3)Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture- Nil 5) Course and unit rating is just right 6) Variance in number of Practicals for all batches-Nil 7) Variance in number of contact hours in practical for all batches is 08	was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were Assignment , written test and Problem solving 5)CA III was completely applicative	
8	Heterocyclic Chemistry CHE-V. E-9	Mayuri Naik	1) Interactive learning and power point presentations are employed along with Traditional method and problem solving. 2) Lecture Power Point was uploaded on Google classroom 3) Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture — +01 5) Course and unit rating is just right 6) Variance in number of	1)Sufficient time was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were Assignment ,written test and MCQ 5)20% QESTIONS	

			practical for all the batches is 01	IN CA III were of higher order	
			7) Variance in number of contact hours for practicals is as follows:		
			Batch 110		
			208		
			308		
			406		
9	Nanomaterial and Solid state Chemistry		= -	· ·	solid state chemistry students
	CHE-V. E-10	Ms. Anagha Patil		on time	prepared moders
			Google classroom	Marking Scheme was disclosed Feedback or	
			Lecture schedule was uploaded on Google classroom at the beginning of semester	assessment was shared with the students 4) Modes of	
			4) Variance of lecture is -02	written test, MCQ and	
			just right 6) Variance in number of	5) 20% questions in	
			practical for all the batches is -01	of higher order	
			 Variance in number of contact hours for all the practical batches is 		
			-08		
10	Organometta lic Chemistry CHE-V. E-	1)Lactina Gonsalves	Interactive learning and power point presentations are employed along with Traditional method and	1)Sufficient time was given to the students before evaluation and	
	11	2)Navita Naik	problem solving. 2)Lecture Power Point was uploaded on Google	results were declared on time 2)Marking Scheme	
			classroom/CLAAP	was disclosed	
			3)Lecture schedule was uploaded on Google classroom/CLAAP at the beginning of semester	3)Feedback on assessment was shared with the students	
			4)Variance of lecture –	4)Modes of assessment were	

			Nil		written test,	
			5) Course and unit is just right	rating	Assignment and MCQ	
			6)Variance in numb	er of	5)40% of questions from CA-I & CA-	
			practical for all		III were of higher	
			batches is Nil		order.	
			7) Variance in number contact hours	ber of for		
			practicals for all bate			
			as follows:			
			Batch I &II06			
			Batch III &IV08			
II	GEOLOGY			1		
1	GEL-I.C-1 Fundamental	Meghana S Devli	• Completed the syllabus on time		nduct of CA's at	• Use of Audio- video.
	s of	(Theory&	• About 90% contact	_	ular intervals. sides traditional	video.
	Mineralogy	Practical)	hours completed.		thod of teaching,	
		Tractical)	• Uploaded e-content	fiel	dwork interactive	
			on Google		sions, group	
			classroom.		cussions,	
			Resources provided reference books		sentation, laboratory rk was involved.	
			reference books		gular conduct and	
					essment of Practicals	
				• Co	nduct of SEE	
					ogress of CA, SEE &	
				PA	was discussed hin a weeks time	
					h students	
				,,,,,	ii staaciits	
2	GEL-I.C-2A	Allon	- C1-4-1 41-		1- 4 C CA? -4	- II C A . I'.
2.	Earth's	Allan Rodrigues	• Completed the syllabus on time		nduct of CA's at ular intervals.	Use of Audio- video
	Dynamics	(Theory)	• About 90% contact	• Bes		Video
	and	(111001))	hours completed.		thod of teaching,	
	Tectonics		• Uploaded e-content		dwork interactive	
		Swati Ghadi	on Google		sions, group	
		(Practical)	classroom.		cussions, sentation, laboratory	
			• Resources provided reference books, e-		rk was involved.	
			books, research		gular conduct and	
			papers	ass	essment of Practicals	
					gress of CA, SEE &	
				PA		
					hin a weeks time h students	
				WIL	n students	

3.	GEL-III.C-5 Optical and Systematic Mineralogy	Meghana S Devli (Theory & Practical)	Completed the syllabus on time About 90% contact hours completed. Provided reference books, e-books, research papers	 Conduct of CA's at regular intervals. Besides traditional method of teaching, interactive sessions, Fieldwork, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA & PA was discussed within a weeks time with students 	Use of self- prepared optical indicatrix models
4.	GEL-III.E-1 Physical Geology	Swati Ghadi (Theory & Practical)	 Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers 	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA & PA was discussed within a weeks time with students 	
5.	GEL-III.E-2 Groundwate r and Hydrogeolo gy	Allan Rodrigues (Theory & Practical)	Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers	Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA & PA was discussed within a weeks time with students	Use of Audio Video visuals
6.	GEL-111.E-3 Engineering	Magnolia Miranda (Theory &	• Completed the syllabus on time • About 90% contact	Conduct of CA's at regular intervals.Besides traditional	

	Geology	Practical)	hours completed. • Uploaded e-content on Google classroom. • Resources provided reference books, e-books, research papers	method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. • Regular conduct and assessment of Practicals • Assessment of SEE • Progress of CA & PA was discussed within a weeks time with students	Use of Audio- Video Visuals
7.	GEL-III.E-4 Marine Geology	Malcolm Afonso (Theory & Practical)	Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA, SEE & PA was discussed within a weeks time with students 	Use of Audio-Video Visuals Use of Google Earth Visit to NIO, Dona Paula Student mentors were assigned to weaker students for better understanding of concepts.
8.	GEL-V.C-7 Igneous Petrology	Magnolia Miranda (Theory & Practical)	 Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers 	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA, SEE & PA was discussed within a weeks time with students 	Use of Audio- Video Visuals
9.	GEL-V.E-9 Stratigraphy of India – Part II	Meghana S Devli (Theory & Practical)	 Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google 	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group 	Students prepared documentary films based on Indian Stratigraphy

		HSS Nadkarni (Theory)	classroom. • Resources provided reference books, e-books, research papers	discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals. Assessment of SEE Progress of CA & PA was discussed within a weeks' time with students	topics.
10	GEL-V.E-10 Petroleum Geology	Swati Ghadi (Theory & Practical)	 Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers 	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practical's Assessment of SEE Progress of CA & PA was discussed within a week's time with students 	Hands on training in systematic core logging using cores of boreholes as per industry requirement. Shared Links of YouTube videos of onsite activities related to petroleum industries.
11	GEL-V.E-11 Principles of Geophysical Exploration	Swati Ghadi & Allan Rodrigues (Theory) Swati Ghadi (Practical)	Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers	Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals. Progress of CA & PA was discussed within a week's time with students	Hands on training in systematic core logging using cores of boreholes as per industry requirement. Visit to Sanquelim mine. Shared Links of YouTube videos of onsite activities related to petroleum industries.

12	GEL-V.E-12	Malcolm	• Con	npleted the	• Conduct of CA's at	Hands on
	Remote	Afonso		abus on time	regular intervals.	training on
	Sensing and	(Theory &	• Abo	ut 90% contact	• Besides traditional	QGIS.
	GIS	Practical)		rs completed.	method of teaching,	
	Applications		-	oaded e-content	fieldwork interactive	
			on	Google	sessions, group	Use of Google
				sroom.	discussions,	Earth.
				ources provided rence books, e-	presentation, laboratory work was involved.	
			bool		• Regular conduct and	
			pape		assessment of Practicals.	Student mentors
			1 1		• Progress of CA & PA	were assigned
					was discussed within a	to weaker
					week's time with	students for
					students	better
						understanding
						of concepts.
12	Projects					All projects
	,					were based on
						community
						outreach viz:
						1. A study of
						the Temporal variation in
						groundwater
						quality in the
						villages of
						Velsao and
						Cansaulim in
						South Goa 2. Geophysica
						1 Surveying
						and Rainwater
						Harvesting
						System for
						Parvatibai
						Chowgule College of
						Arts &
						Science
						Autonomous
						3. Investigatio
						n of Landslide
						affected at Borim-
						Khandepar,
						Ponda
						4. Groundwate
						r analysis in
						Nessai Industrial area
III	COMPUTER	SCIENCE				moustrat area
1	COM-I.C-1	Mr. Amar Naik		42 Lectures.	3 different modes. Minimum	1.2.
	Mathematical	The state of the s				
				Uploaded on	All practicals done.	
	foundation of			Google		

	Computer	Classroom.	SEE completed on time.
	Computer	Classicolii.	SEE completed on time.
	Science – I	Teaching	
		Learning	
		activities were	
		uploaded on	
		Google	
		Classroom.	
		Online	
		submission of	
		assignments.	
		Notes, Class	
		Policy,	
		Assessment	
		and Evaluation	
		Details, Course	
		Details, Course	
		Assessment	
		Scheme,	
		Objective and	
		learning	
		Outcome.	
		Class policies,	
		Schedule of	
		assessment,	
2	COMI.C-2 *D. Prabakaran	40 Lectures.	Minimum 2 CA. Conducted 3.
	Introduction	Uploaded on	
		Google	Practical done E-journal.
	to Programming	Classroom.	SEE completed on time.
		Teaching	SEE completed on time.
		Learning	
		activities were	
		uploaded on	
		Google	
		Classroom.	
		Online	
		submission of	
		assignments.	
		Notes, Class	
		Policy, Assessm	
		ent and	
		Evaluation	
		Details, Course	
		Details, Course	
		Assessment Scheme,	
		Objective and	
		learning	
		Outcome.	
		Class policies,	
		Schedule of	
		assessment	
	1	assessinent	

3	COM-III.C-5	*Mr. Ian Barreto	43 Lectures.	2 CA's Assignments on	Mini
	Data Base	ivii. Iani Barreto	+3 Lectures.	classroom.	Project as
	Butu Buse		Uploaded on	Classiconi.	part of
	Management		Google	All practical done. Practical	partor
	a .		Classroom.	on	evaluation
	Systems			D. I. G. GET	interlinking
			Teaching	Database Server. SEE	different
			Learning activities were	completed	
				on time.	courses.
			uploaded on Google	on time.	
			Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
			Details, Course		
			Assessment		
			Scheme,		
			Objective and		
			learning		
			Outcome.		
			Class policies,		
			Schedule of		
			assessment,		
			Attendance uploaded.		
4	COM-III.E-1	Dr. Sameena Falleiro	46 Extra	Best 2 of 3 CA's. Some units of	Gave
	Software		lectures	Theory were done. Mini	Research
			uploaded on	Projects in practical. CA on	paper to
	Engineering		Google	classroom.	read.
			Classroom.		
			Teaching	All practical done. E journal	
			Learning	done.	
			activities were	SEE completed on time	
			uploaded on	SEE completed on time.	
			Google Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
			Details, Course		
			Assessment		
			Scheme,		
			Objective and		
			learning		
			Outcome.		
	1		Class policies,		
			Schodulo of		
			Schedule of		
			Schedule of assessment, Attendance		

				uploaded.		
5	COM-III.E-2					
	Digital					
	Logic					
	Design					
	G014 W F 4			10		
6	COM-III.E-4 Web	Mr. Kumaresh/Mr.	V.C Ian		3 CA's. Best 2 taken. Hard copy maintained. SEE	
	Web	Barreto (Practical)	Tan	Google	completed on time. Demos	
	Designing	Darreto (Fracticar)		Classroom and	given for all units in syllabus.	
				maintained	,	
				hard copy.		
				Teaching		
				Learning activities were		
				uploaded on		
				Google		
				Classroom.		
				Online submission of		
				assignments.		
				Notes, Class		
				Policy,		
				Assessment		
				and Evaluation		
				Details, Course Details, Course		
				Assessment		
				Scheme,		
				Objective and		
				learning		
				Outcome. Class policies,		
				Schedule of		
				assessment,		
				Attendance		
7	COMMO	Mrs. Suchitra Bhat		uploaded	4 CA's done. Best of 3 taken.	C
7	COM-V.C-7 * Operating	wirs. Suchitra Bhat		44 Lectures. uploaded on	Practicals all done. E journal	Comments given as
				Google	maintained. SEE completed on	feedback
	Systems			Classroom.	time	with respect
				Teaching		to
				Learning activities were		assignments uploaded in
				uploaded on		classroom
				Google		
				Classroom.		
				Online		
				submission of assignments.		
				Notes, Class		
				Policy,		
				Assessment		
				and Evaluation		
				Details, Course		
	1			Details, Course		

	T	T	Т.	1	Т
			Assessment		
			Scheme,		
			Objective and		
			learning		
			Outcome.		
			Class policies,		
			Schedule of		
			assessment,		
8	COM-V.E-9	Mr. V.C. Kumaresh	46 Lectures	3 CA's. Best 2. All hard copies.	.Brainstormi
	Embedded		uploaded and	_	ng session
			maintained on	completed on time	to automate
	Systems		Google		new ideas.
			Classroom.		T.Y, Out of
			Teaching		9 projects, 5
			Learning		projects on
			activities were		Embedded
					systems.
					systems.
			Google Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
			Details, Course		
			Assessment		
			Scheme,		
			Objective and		
			learning		
			Outcome.		
			Class policies,		
			Schedule of		
			assessment,		
			Attendance		
			uploaded.		
9	COM-V.E-10	Mrs. Surekha Patil	41 Lectures	4 CA's done. Best of 3.	Mini project
	Mobile Mobile	iviis. Saleima i am	uploaded on	Practicals all done.SEE	as one of
	Wiodiic		Google	question paper filed. Written	the
	Application		Classroom.	exam.Mini project as one of	evaluation.
	11		Teaching	the evaluation.	evariation.
	Development		Learning	the evaluation.	
			activities were		
			uploaded on Google		
			Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
			Details, Course		
			Assessment		
			Scheme,		
			Objective and		

			learning Outcome. Class policies, Schedule of		
10	COM VE 12	M. J. Pal. D.	assessment,	A CALL D	
	COM- V.E-12 Software Testing	Ms. Judith Barreto	uploaded on Google Classroom. Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Details, Course Assessment Scheme, Objective and learning Outcome. Schedule of assessment, Attendance uploaded.	4 CA's done. Documents maintained.E journal maintained. SEE question paper.	
	SYBA Cyber Security	Mrs. Surekha Patil	49/60 Lectures uploaded on Google Classroom. Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Details, Course Assessment Scheme, Objective and learning Outcome. Class policies, Schedule of	3 CA's done. Best 2 . uploaded on classroom. No practical for this course. SEE completed on time.	Students took up study of online crimes in Goa & all over India.

	1	T			
			assessment,		
			Attendance		
			uploaded.		
			Group		
			discussion		
			done.		
IV	PGDCA				
1	DCA11	Mr. Amar Naik	43 Lectures	4 CA's considered best3. 1	Before
	Object Oriented	1	uploaded on	SEE exam. Assignment &	starting new
	Programming		Google	presentation. Online	topic,
	rogramming		Classroom.	submission. Marking scheme given.Extra practicals taken.	revision of
			Teaching	Practical question paper	previous
			Learning	recorded. Online submission &	unit
			activities were	Journals. SEE completed on	
			uploaded on	time.	
			Google	time.	
			Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
			Details, Course		
			Assessment		
			Scheme,		
			Objective and		
			learning		
			Outcome.		
			Class policies,		
			Schedule of		
			assessment,		
2	DCA12	Mrs. Neeta	46 Lectures.	4 CA's. Best 3 considered.	
	DataBase	Dhopeshwarkar		Practicals all done. Mini	
	Management		uploaded on	project given.	
	Systems		Google	Project Brom	
			Classroom.		
			Tanahina		
			Teaching		
			Learning		
			activities were		
			uploaded on		
			Google		
			Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
			Details, Course		
1			Assessment		
			Scheme,		

		1	01:	T	
			Objective and		
			learning		
			Outcome.		
			Class policies,		
			Schedule of		
			assessment,		
			Attendance		
			uploaded.		
3	DCA13	Mr. D Prabakaran	43 Lectures .	3 CA's, Schedule uploaded,	Live
	Client Side		.e zectures .	marking scheme given. E	website
		1	uploaded on	Journal uploaded.	
	Technologies		Google	Journal uploaded.	developmen
			Classroom.		t as part of
			Classiconi.		CA.
			Teaching		
			Learning		
			activities were		
			uploaded on		
			Google		
			Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
			Details, Course		
			Assessment		
			Scheme,		
			Objective and		
			learning		
			Outcome.		
			Class policies,		
			Schedule of		
			assessment,		
			Attendance		
			uploaded.		
4	EL1.	Mrs. Neeta		3 CA's done. Question papers	Students
	Multimedia	Dhopeshwarkar	15 Lectures.	are filed. All practicals done. E	made
	Withinicula	Diiopesiiwaikai	Uploaded on	journal. Analyze content of	
			Google	various media & encourage	
			Classroom.	group discussions.	department.
			Classiconi.	group discussions.	Video for
			Teaching		socially
			Learning		relevant
			activities were		topics.
			uploaded on		•
			Google		
			Classroom.		
			Online		
			submission of		
			assignments.		
			Notes, Class		
			Policy,		
			Assessment		
			and Evaluation		
			Details, Course		
1					
			Details, Course Assessment		

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			Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome. Class policies, Schedule of assessment, Attendance uploaded.		
V	Bachelor of Vocation		evelopment		
1	Office Automation Tools COM- I.SD-SK1 I	Mr. Castor Godinho Mr. Wendham Gray Ms. DikshitaArosk ar	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 39 lectures were conducted out of 45.	3 modes of evaluation for Theory component(Demonstration, Written Exam and Newsletter design). Each student designed new template of Department Newsletter For practical component 2 evaluations were conducted(CorelDraw and Excel experiments). Journal was maintained.	
2	Web Designing COM- I.SD-SK2 I	Mr.Castor Godinho	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching	3 modes of evaluation for theory Component Assignment, Demonstration and Mini Project). For practical Evaluation 5 assessments were conducted(Practical Exam) and journal was maintained	

			Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 44 lectures were conducted out of 45.		
3	Introduction to Programming COM- I.SD-SK3 I	Mr.Wendham Gray	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 39 lectures were conducted out of 45.	3 modes of evaluation for theory Component(Assignment, Written Exam and Continuous assessment of the exercise given for each practical session). For practical Evaluation 3 assessments were conducted (Practical Exam)and journal was maintained	
4	Cyber Security COM- I.SD-G3 I	Ms.DikshitaAr oskar	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome,	3 modes of evaluation for theory component. Written exam, MCQ and presentation.	

			Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. 50 lectures were conducted out of 60.		
5	Object Oriented Paradigm COM- III.SD-SK7 III	Mr.Wendham Gray	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 39 lectures were conducted out of 45.	3 Modes of evaluation for theory Component(Written Exam, Demonstration and Project). For practical Component 2 CA's were conducted, evaluating the OOPS skills of the students.	
6	Computer Network COM- III.SD-SK8 III	Ms.DikshitaAr oskar	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching	3 modes of evaluation for theory component. Written exam, MCQ and presentation. For practical component 2 continuous assessments were conducted (Setting up virtual machine and practical exam)	

		M.C.	Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 43 lectures conducted out of 45.		
7	Database Management Systems COM- III.SD-SK9 III	Mr.Castor Godinho	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 45 lectures were conducted out of 45.	3 modes of evaluation for theory component(Assignment, Demonstration, MCQ).For practical component 5 assessments were conducted on ERD and SQL Queries. Journal was maintained.	

APPENDIX -II

COMPILED ACADEMIC AUDIT REPORTS OF THE HEAD OF DEPARTMENTS – EVEN SEMESTER (2018-2019)

ParvatibaiChowgule College of Arts and Science (Autonomous)

NAME OF THE PROGRAMME: _BSc(Semester II/IV/VI)_

DISCIPLINE: PHYSICAL AND EARTH SCIENCES

CONSOLIDATED REPORT OF COURSES AUDITED:

Sr N	Course Title, Course Code,	Name Of The Faculty	Report On	Report On	Report On
0.	Semester	Member	Teaching - Learning	Evaluation Of Course	Innovation
I	CHEMISTRY		L		
1	Concepts in Physical and Analytical Chemistry CHE-II.C-3	1)Manjita Porob 2)Anurag Naik	1)Interactive learning and power point presentations are employed along with Traditional method 2)Lecture Power Point was uploaded on Google classroom 3)Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture +05 5) Course and unit rating is just right 6) Variance in number of practicals for all batches-Nil	1)Sufficient time was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were written test and Power point presentations 5) No weightage for higher order questions in CA 1 6) CA-I was completely creative testing the confidence level	Nil

			Variance in contact Hours of Practical for all batches06		
2	Concepts in Organic and Inorganic Chemistry CHE-II.C-4	1) Padmini Raikar 2) Navita Naik	1)Interactive learning and power point presentations are employed along with Traditional method 2)Lecture Power Point was uploaded on Google classroom 3)Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture +02 5) Course and unit rating is just right 6) Variance in number of practicals for all batches-01 Variance in contact Hours of Practical for all batches06	on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were written test and Power point presentations 5) No weightage for higher order questions in CA 1 6) CA-I was completely creative testing the confidence level	
3	Comprehensive Chemistry –II CHE-IV.C-6	1)Sachin Kakodkar 2)Mayuri Naik	1)Interactive learning and power point presentations are employed along with Traditional	1)Sufficient time was given to the students before evaluation and results were declared on time 2)Marking Scheme	NIL

		method	was disclosed	
		2)Lecture Power Point was uploaded on Google classroom	assessment was	
		3)Lecture schedule was uploaded on Google classroom at the beginning of semester	assessment were written test & assignment. 5) 20% of the	
		4)Lecture variance is Nil		
		5) Course and unit rating is just right		
		6)Variance in number of practical for batches is as follows:		
		I- 01		
		II-01		
		III-Nil		
		IV-01		
		7) Variance in number of contact hours for practical batches is as follows:		
		I08		
		II-08		
		III-06		
		IV-06		
Pharmaceutical Chemistry	Navita Naik	1)Interactive learning and power point	1)Sufficient time was given to the students before	

	CHE IVE 5		1 1 1
4	CHE-IV.E-5	presentations are employed along with Traditional method	on time 2)Marking Scheme was disclosed
		2)Lecture Power Point was uploaded on Google classroom	3)Feedback on assessment was
		3)Lecture schedule was uploaded on Google classroom at the	written test & Power point presentations.
		beginning of semester	questions in
		4)Lecture variance is Nil	CA II were of higher order
		5) Course and unit rating is just right	confidence is ver
		6)Variance in number of practical for all batches is 01	
		7) Variance in number of contact hours for practical batches is 10 hrs*	
		*The variance is due to sudden leakage of gas in the	
		the repair work. As all the practicals	
		required burner, 4 hour sessions were later	

			converted to 2 hours due to shortage of time.		
5	Polymer and Colloid Science CHE-IV.E-6	1) Dr. Sachin Kakodkar 2) Dr. Ganpat Naik	1) Interactive learning and power point presentations are employed along with Traditional method and problem solving. 2) Lecture Power Point and notes were uploaded on Google classroom 3) Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture is 0 5) Course and unit rating is just right 6) Variance in number of practical for the batches is Batch I & II 0 Batch III & IV +1 7) Variance in number of contact hours for practical batches is as	1) Sufficient time was given to the students before evaluation and results were declared on time 2) Marking Scheme was disclosed 3) Feedback on assessment was shared with the students 4) Modes of assessment were written test and assignment. 5) 20% questions in CA 1 were of higher order	Polymer and Colloid Science CHE-IV.E-6

			follows:		
			Batch I, II & IV06		
			Batch III08		
6	Spectroscopic Techniques CHE-IV.E-7	1)Lactina Gonsalves 2)Anagha Patil	1)Interactive learning and power point presentations are employed along with Traditional method and problem solving. 2)Lecture Power Point was uploaded on Google classroom/CLA AP 3)Lecture schedule was uploaded on Google classroom/CLA AP at the beginning of semester 4)Variance of lecture –Nil 5) Course and unit rating is just right 6)Variance in number of practical for all batches is Nil	1)Sufficient time was given to the students before evaluation and results were declared on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were Numericals &written test. 5) 50% and 30% of the questions were of higher order In CAI &CAII respectively	Dr. Lactina Gonsalves has employed the technique of POGIL in teaching the course for 10% of the lectures.

7	Advanced Chemistry –II CHE-VI.C-8	1) Dr. Ganpat Naik 2) Dr. Mayuri	Batch 310* Batch 4,08 *The variance is due to the adjustments of public holidays 1) Interactive learning and power point presentations are employed	1) Sufficient time was given to the students before evaluation and results were declared	Innovative experiments were designed by students based on
		Naik	along with Traditional method and problem solving. 2) Lecture Power Point was uploaded on Google classroom 3) Lecture schedule was uploaded on Google classroom at the beginning of semester 4) Variance of lecture is +01 5) Course and unit rating is just right 6) Variance in number of practical for all the batches is 01 7) Variance in number of contact hours for practical batches is as follows: Batch I, II &	on time 2) Marking Scheme was disclosed 3) Feedback on assessment was shared with the students 4) Modes of assessment were written test, assignment and innovative experiments/present ation. 5) 13% questions in CA 1 were of higher order	instruments like pH meter, conductometer, polarimeter and spectrophotom eter.

			IV08	
			Batch III04	
8	Spectroscopic Methods in Organic Chemistry CHE-VI. E-13	1)Padmini Raikar 2)Mayuri Naik	1)Interactive learning and power point presentations are employed along with Traditional method and problem solving. 2)Lecture Power Point was uploaded on Google classroom/CLA AP 3)Lecture schedule was uploaded on Google classroom/CLA AP at the beginning of semester 4)Variance of lecture –Nil 5) Course and unit rating is just right 6)Variance in number of practical for all the batches is 01 7) Variance in number of contact hours for practicals is as follows: Batch 1, 206 Batch 3, 408	

9	Environmental	1)Manjita Porob	1)Interactive	1)Sufficient time	
	Chemistry	, , = ==30	learning and	· ·	
	-		power point	•	
	CHE-VI. E-14	2)Anurag Naik	presentations	evaluation and	
		2)/ Midrag Ivalk	are employed		
			along with		
			Traditional		
			method and	2)Marking Scheme	
			problem	was disclosed	
			solving.	3)Feedback on	
				assessment was	
			2)Lecture Power	shared with the	
			Point was	students	
			uploaded on	Students	
			Google	4)Modes of	
			classroom/CLA	assessment were	
			AP	Presentation ,written	
			3)Lacture	test and Poster	
			3)Lecture schedule was		
				5)CA I tested the	
			uploaded on Google	ability of the	
			classroom/CLA	students to deliver	
			AP at the	their knowledge and	
			beginning of	confidence	
			semester	6) CA-III was	
			schiester	completely creative	
			4)Variance of	to make them	
			lecture – -01	understand the	
			5) C	impact of	
			5) Course and	environmental	
			unit rating is	pollution	
			just right		
			6)Variance in		
			number of		
			practical for all		
			the batches is		
			Nil		
			7) Variance in		
			number of		
			contact hours		
			for practicals for		
			all batches is 08		
			hours		
			110010		
10	Selected Topics	1)Lactina	1) Interactive	1)Sufficient time	
	in Inorganic	Gonsalves	learning and	was given to the	
	Chemistry		power point	students before	

	CHE-VI E-15		presentations	evaluation and	
	CHE-VI. E-15	2)Anagha Patil	presentations are employed along with Traditional method and problem solving. 2)Lecture Power Point was uploaded on Google classroom/CLA AP 3)Lecture schedule was uploaded on Google classroom/CLA AP at the beginning of semester 4)Variance of lecture – Nil 5) Course and unit rating is just right 6)Variance in number of practical for all the batches is Nil	evaluation and results were declared on time 2)Marking Scheme was disclosed 3)Feedback on assessment was shared with the students 4)Modes of assessment were Assignment ,written test and Objective questions 5)CA II and CA III involved 40% and 30% questions of higher order respectively	
			7) Variance in number of contact hours for practicals for all batches is 06 hours		
II	COMPUTER SO	CIENCE			
1	COM-II. C-3** Object Oriented Programming	Mrs. Neeta Dhopeshwarkar	45 Lectures. Details on classroom. Uploaded on classroom, Teaching	Best 2 of 3. (Different modes.)Practicals done. Assessment done.	Used Flipped classroom for one evaluation mode.

			schedule, CA schedule, Attendance Policy etc.		
2	COM-II.C-4* Data Structures	Mr. Amar Naik	45 Lectures. All details on classroom. Uploaded on classroom, Teaching schedule, CA schedule, Attendance Policy etc.	Best 2 out of 3 (Different modes.)Practicals done. Time insufficient for covering all practicals. Journal uploaded.SEE done.	-
3	COM-IV.C-6 Computer Architecture &Organization	Mr. V.C Kumaresh	45 Lectures. Details uploaded on classroom. Uploaded on classroom, Teaching schedule, CA schedule, Attendance Policy etc.	Best 2 out of 3.Practicals all done. No E journal. Hard copy. Semester End Assessment Centrally carried.	Sample programme of assembly language given before every practical.
4	COM-IV.E-6 Database application development	Yet to Check			
5	COM-IV.E-7 Server Side Programming	Yet to Check			
6	COM-IV.E-8 Human Computer Interface	Dr. Sameena Falleiro	45 Lectures. Uploaded on classroom, Teaching schedule, CA schedule, Attendance Policy etc.	3 evaluations. Best 2 of 3. Hard copy. Practicals all done. Semester End Assessment Centrally conducted.	Mini project for the effective HCI development life cycle. List of Research papers to read.
7	COM-VI.C-8* Computer Networks	Ms. Suchitra Bhat	46 Lectures. Uploaded on classroom. Uploaded on classroom, Teaching schedule, CA	4 evaluations. Best 3 taken. Practicals done. Semester End Assessment Centrally conducted.	Visit to OIT for studying Network configuration in Chowgule College.

			schedule, Attendance Policy etc		
8	COM-VI.E-13 Network Security	Ms. Shweta Shet Verenkar	45 Lectures. Uploaded on classroom. Uploaded on classroom, Teaching schedule, CA schedule, Attendance Policy etc.	4 modes. Best 3 selected. Presentation, Assignment uploaded. Practicals all done. Practicals all done.	Designing algo. Presentation & analysis.
9	COM-VI.E-15 Multimedia Techniques	Mrs. Neeta Dhopeshwarkar	47 Lectures. Uploaded lecture schedule, CA schedule etc.	4 CA. Minimum 3 CA. Best 3 CA's. Uploaded on classroom. Practicals all done. Portfolio done by students.	-
10	COM-VI.E-16 Digital Marketing	Ms. Judith Barreto	45 Lectures. Resources on classroom.Uplo aded on classroom, Teaching schedule, CA schedule, Attendance Policy etc	4 CA. Best 3 taken. Uploaded Presentation & Assignment. E journal uploaded on classroom. SEE exam yet to be conducted.	Students were given a presentation to prepare about PGDCA programme, same was used for Digitally marketing.
III	GEOLOGY				
1	GEL-II.C- 3A: Elementary Petrology	llan Rodrigues	 Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books 	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Conduct of SEE Progress of CA, SEE & PA was discussed within a 	• Use of Audiovideo.

	GEL-II.C-4 Principles of Stratigraphy and Paleontology	Meghana S Devli (Theory) Swati Ghadi (Practical)	•	Completed the syllabus on time About 90% contact hours completed. Uploaded e- content on Google classroom. Resources provided reference books, e- books, research papers	•	Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Progress of CA, SEE & PA was discussed within a weeks time with students.	•	Conducted Fieldwork as mode of evaluation. Assignment was based on fieldwork.
3.	GEL-III.C-6 Structural Geology	H S S Nadkarni (Theory) Meghana S Devi (Practical)	•	Completed the syllabus on time About 90% contact hours completed. Provided reference books, research papers Completed the syllabus	•	Conduct of CA's at regular intervals. Besides traditional method of teaching, interactive sessions, Fieldwork, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA & PA was discussed within a weeks time with students Conduct of CA's at regular	•	Conducted Fieldwork as mode of evaluation. Assignment was based on fieldwork.

4.	Ore Genesis	S Nadkarni (Theory) Swati Ghadi (Practical)	•	on time About 90% contact hours completed. Uploaded e- content on Google classroom. Resources provided reference books, research papers	•	intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA & PA was discussed within a weeks time with students	
5.	GEL-IV.E-6 Stratigraphy of India – Part I	H S S Nadkarni & Swati Ghadi (Theory) H S S Nadkarni (Practical)	•	Completed the syllabus on time About 90% contact hours completed. Uploaded e- content on Google classroom. Resources provided reference books, research papers	•	Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA & PA was discussed within a weeks time with students	
6.	GEL-IV.E-7 Natural Hazards and Management	Malcolm Afonso (Theory & Practical)	•	Completed the syllabus on time About 90% contact hours completed. Uploaded e- content on Google classroom. Resources provided reference	•	Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved.	Use of Google Earth. Use of Audio-Video Visuals Chowgule College disaster

			books, e- books, research papers	 Regular conduct and assessment of Practicals Assessment of SEE Progress of CA& PA was discussed within a weeks time with students 	management plan was used as a case study Student mentors were assigned to weaker students for better understanding of concepts.
7.	GEL-IV.E-8 Geotectonics	Allan Rodrigues (Theory & Practical)	 Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers 	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE Progress of CA, SEE & PA was discussed within a weeks time with students 	Use of Audio-Video Visuals
8.	GEL-VI.C-8 Sedimentary Petrology	Allan Rodrigues & Malcolm Afonso (Theory) Swati Ghadi & Allan Rodrigues (Practical)	 Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers 	 Conduct of CA's at regular intervals. Besides traditional method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals Assessment of SEE 	Use of e- journal Use of Audio- Video Visuals

9.	GEL-VI.E- 13 Metamorphi c Petrology	Meghana S Devli (Theory & Practical)	Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, e-books, research papers	 intervals. Besides tradition method teaching, fieldwork interactive 	was ain a with CA's Use of Petrological Microscope with interactive visuals. roup work duct at of of CA& ssed eks'
10	GEL-VI.E- 14 Rock Deformation Microstructu res	Meghana S Devli & Swati Ghadi (Theory) Meghana S Devli (Practical) H S S Nadkarni &	Completed the syllabus on time About 90% contact hours completed. Uploaded e-content on Google classroom. Resources provided reference books, research papers Completed Completed	 intervals. Besides tradition method teaching, fieldwork interactive sessions, g discussions, presentation, 	gular Detrological Microscope with interactive visuals. roup work duct at of CA& ssed eeks ents
	Surveying and Mapping	Malcolm Afonso (Theory &	Completed the syllabus on timeAbout 90%		on training on surveying

	Practical)	•	contact hours completed. Uploaded e- content on Google classroom. Resources provided reference books, e- books, research papers	•	method of teaching, fieldwork interactive sessions, group discussions, presentation, laboratory work was involved. Regular conduct and assessment of Practicals. Progress of CA & PA was discussed within a weeks time with students	methods. Use of self-prepared YouTube videos. Portfolio based on geological field training conductedat Bagalkot, Karnataka.
						Student mentors were assigned to weaker students for better understanding of concepts.
 Projects						All projects were based on community outreach viz: 5. A study of the Temporal variation in groundwat er quality in the villages of Velsao and Cansaulim in South Goa 6. Geophysic al Surveying and Rainwater Harvesting System for Parvatibai

IV	PGDCA				Chowgule College of Arts & Science Autonomo us 7. Investigati on of Landslide affected at Borim- Khandepar, Ponda 8. Groundwat er analysis in Nessai Industrial area
)	1 4 5 ×	Det of Control	W. C. Com
1	DCA21 Computer Networking	Ms.SurekhaPatil	45 Lectures. Uploaded on classroom.Teac hing schedule, Class policy, Attendance etc.	Best of 3 out of 4. Assignment /Presentation uploaded on classroom.All practicals done.SEE Done.	Visit to OIT to study Network Configuration in Chowgule College.
2	DCA22	Dr.SameenaFalleir	45 Lectures.	4 different modes.	Blended
	Software Engineering	O	Notes on classroom uploaded. Teaching schedule, Class policy, Attendance etc.	Best 3 modes taken case study, poster uploaded on classroom. Hard copy maintained. Practicals all done. SEE Done.	learning (Problem based & flipped), Students encouraged to read Research papers.
3	EL6. Digital Marketing	Ms. Judith Barreto	45 Lectures. Resources uploaded on classroom. Teaching schedule, Class policy, Attendance etc.	Best 3 CA out of 4 CA. Practicals all done. Practical mailed to Kumaresh Sir.	Digital Marketing of PGDCA Programme.
4	EL7. Network Administratio n	Mr. Amar Naik	45 Lectures Resources uploaded on classroom.Teac hing schedule, Class policy,	Best 3 CA out of 4. Online submission of Assignments & Presentations.All practicals done. Uploaded E Journal.SEE Exam done.	-

			Attendance etc.		
5	EL9. Server Side Programming	Mr. D. Prabakaran	40 Lectures. Uploaded details on classroom.Teac hing schedule, Class policy, Attendance etc.	3 CA taken, all 3 CA to be considered, Assignment, Presentation uploaded. Practicals all done. Uploaded Journal. Exam yet to get over.	Google classroom, Presentation, Developing a drive website.
6	EL13. Office Automation Tools	Ms. Surekha Patil	43 Lectures. Uploaded details on classroom.Teac hing schedule, Class policy, Attendance etc.	Best 3 out of 4. Different modes of Assessment. Practicals all done. Only Evaluation uploaded. SEE yet to be conducted (2nd May 2019).	Hands on session during the lecture.
V	B.VOC SOFT	WARE DEVELOPM	IENT		
1	Web Developmen t Framework COM- IV.SD-K10	Mr.WendhamGr ay	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. Videos were uploaded. 39 lectures	3 modes of evaluation for Theory component (Mini Project, Written Exam and Continous Exam). For practical component 3 evaluations were conducted .Journal was maintained.	

			were conducted out		
			of 45.		
2	Computer Organisation and Operating System COM-II.SD-SK4	Mr.WendhamGr ay	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. Videos were uploaded. 39 lectures were conducted out of 45.	evaluation for theory	
3	Data Structure	Ms.DikshitaAros kar,	Notes, Class Policy, Assessment	3 modes of evaluation for theory Component	
	COM-II.SD- SK5	Mr.CastorGodin ho	and Evaluation Details, Course Details, Course	(Presentation, Written Exam and Assignment with Viva).	
			Assessment Scheme,	For practical Evaluation 3	

			Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 44 lectures were conducted out of 45.	assessments were conducted (Practical Exam)and journal was maintained	
4	Multimedia COM-II.SD-SK6	Ms.DikshitaAros kar, Mr.CastorGodin ho	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. 43 lectures were	evaluation for theory component.	

			conducted out of 45.		
5	Mobile Application Developmen t COM- IV.SD- SK12	Ms.DikshitaAros kar, Mr.CastorGodin ho	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome, Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 45 lectures were conducted out of 45.	evaluation for theory Component	
6	Agile Software Engineering COM- IV.SD- SK11	Ms.DikshitaAros kar, Mr.CastorGodin ho	Notes, Class Policy, Assessment and Evaluation Details, Course Details, Course Assessment Scheme, Objective and learning Outcome,	evaluation for theory component.	

	Teaching Schedule, Journal Format, Teaching Learning activities were uploaded on Google Classroom. Online submission of assignments. 45 lectures conducted out of 45.	

APPENDIX-III

Signature of the Academic Panel Members (HODs)

DEAN-Physical and Earth Sciences	
Dr.(Ms).Sameena Falleiro	
Associate Professor, Department of Computer	
Science.	
HOD-Physics	
HOD-Chemistry	
HOD-Geology	
HOD-Mathematics	
HOD-Computer Science	
HOD-Geography	