Project Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa		
Name of Faculty: Dr. Dipesh Sakharam Harmalkar	**Subject: Project**	
Paper code: CHP 101	**Program: T.Y.BSc.**	**Division:**
Academic year: 2024 - 2025	**Semester: VI**	**Total hours: 30**
Credits: 4		

Course Objectives:

- Basic research: To gain more comprehensive knowledge or understanding of the subject under study, without specific applications in mind.
- Applied research: To gain knowledge or understanding to determine how a specific, recognized need may be met. To discover new scientific knowledge that has specific commercial objectives with respect to products, processes, or services.

Expected Course Outcome:

At the end of the course students will be able:

CO1: to design and carry out scientific experiments as well as accurately record and analyse the results of experiments.

CO2: to do problem solving, critical thinking and analytical reasoning as applied to scientific problems.

CO3: to explore new areas of research in chemistry and allied fields.

CO4: to clearly communicate the results of scientific work in oral, written, and electronic formats.

Student Learning Outcome:

At the end of the course students will be able:

LO1: to design and conduct scientific experiments, accurately record data, and analyze experimental results with precision.

LO2: to develop and apply problem-solving skills, critical thinking, and analytical reasoning to address scientific challenges.

LO3: to explore and identify new research opportunities in chemistry and related fields, demonstrating the ability to innovate and expand existing knowledge.

LO4: to effectively communicate scientific findings through oral presentations, written reports, and electronic media, demonstrating proficiency in conveying information.

Month	Project Scheduled Date	No. of lectures	List of work	Reference
December	13-12-2024	2	Experimental work	1. Research Papers 2. Vogel's Textbook of Practical Organic Chemistry
January	02-01-2025	2	Experimental work	
	09-01-2025	2	Experimental work	
	16-01-2025	2	Experimental work	
	23-01-2025	2	Experimental work	
	30-01-2025	2	Experimental work	
February	06-02-2025	2	Experimental work	
	13-02-2025	2	Experimental work	
	20-02-2025	2	Report writing	
	27-02-2025	2	Report writing	
March	06-03-2025	2	Report writing	
	13-03-2025	2	Report writing	
	20-03-2025	2	Report writing	
	27-03-2025	2	Submission	

* Assessment Rubrics	
Component	**Max Marks**
Internal Examiner	50
External Examiner	50
Semester End Exam (Total)	100