

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: CHC 307	Program: T.Y.BSc.	Division:
Academic year: 2026 - 2027	Semester: V	Total hours: 30
Credits: 4		
Course Objectives: - To develop the ability to formulate research problems based on existing knowledge gaps. - To understand and apply various research methodologies and ethics to design and collect data - To apply critical analysis to interpret and discuss research results. - Present research findings in the APA format in an organized and coherent manner.		
Expected Course Outcome: At the end of the course students will be able: CO1: explain emerging areas and recent trends in the discipline to identify potential topics for scientific research. CO2: explain and outline a discipline-specific research methodology suitable for addressing defined research problems. CO3: apply appropriate techniques to interpret raw data and derive logical conclusions from experimental or survey-based findings. CO4: develop analytical thinking to critically evaluate results and gain proficiency in scientific writing and structured research reporting.		
Student Learning Outcome: At the end of the course students will be able: LO1: recall and list emerging areas and current trends in the discipline to identify suitable research topics. LO2: explain and outline appropriate research methodologies relevant to my field of study. LO3: apply appropriate techniques to interpret raw data and draw valid conclusions. LO4: develop analytical skills to critically evaluate data and express findings effectively through scientific writing.		

Month	Project Scheduled Date	No. of lectures	List of work	Reference
June	19-06-2026 to 30-06-2026	04	Orientation: Explanation about the research project; Explanation about the research articles and how to do Literature search using different e-sources; Topic selection and Literature search	1. Vogel's Text book of practical Organic Chemistry, 5th edition
July	01-07-2026 to 31-07-2026	12	Literature search; Experimental work	
August	01-08-2026 to 31-08-2026	14	Literature search; Experimental work	
September	01-09-2026 to 30-09-2026	15	Experimental work	2. Research Articles
October	01-10-2026 to 14-10-2026	4	Experimental work	

* Assessment Rubrics	
Component	Max Marks
Internal Examiner	20
External Examiner	80
Semester End Exam (Total)	100