Lecture Plan

Name of the college: Government College of Arts, Science and Commerce, Sanquelim- Goa

Name of Faculty: Ankita M. Vernekar	**Subject:** Chemistry	
Paper code: CHC-307-Project	**Program: TYBSc**	**Division: A**
Academic year: 2025 - 2026	**Semester: VI**	**Total Lectures: 30**

Course Objectives: :

1. To gain knowledge of physical principles of chemistry through theory and experimental approach.
2. To study the principles, applications and handling of instruments.
3. To understand new developments in the field of catalysis.
4. To perform research in the field of catalysis

Expected Course Outcome:

1) Have good understanding of good laboratory practices and safety measures.
2) Develop laboratory practical's skills to work in chemical industries.
3) Understand the concept of adsorption and photocatalysis.
4) Learn recent advancement in the field of catalysis.
5) Learn to write scientific project report.

Student Learning Outcome:

1. Have good understanding of good laboratory practices and safety measures.
2. Develop laboratory practical's skills to work in chemical industries.
3. Understand the concept of adsorption and photocatalysis.

4. Learn recent advancement in the field of catalysis.
5. Learn to write scientific project report.

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December	01/12/2025	06/12/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
December	08/12/2025	13/12/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
December	15/12/2025	20/12/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
December	22/12/2025	23/12/2025	2	Study of applications		NA	Research articles published in SCI indexed journals
January	24/12/2025	01/01/2026	2	**CHRISTMAS BREAK**			
January	02/01/2026	10/01/2026	2	Study of applications		NA	Research articles published in SCI indexed journals
January	12/01/2026	17/01/2026	2	Study of applications		NA	Research articles published in SCI indexed journals
January	19/01/2026	24/01/2026	2	Study of applications		NA	Research articles published in SCI indexed journals
January	26/01/2026	31/01/2026	2	Study of applications		NA	Research articles published in SCI indexed journals
February	02/02/2026	07/02/2026	2	Study of applications		NA	Research articles published in SCI indexed journals
February	09/02/2026	14/02/2026	2	Writing project report		NA	Research articles published in SCI indexed journals

February	16/02/2026	21/02/2026		Writing project report		NA	Research articles published in SCI indexed journals
February	23/02/2026	28/02/2026	2	Writing project report		NA	Research articles published in SCI indexed journals
March	02/03/2026	07/03/2026	2	Preparation for viva		NA	Research articles published in SCI indexed journals
March	09/03/2026	14/03/2026	2	Preparation for viva		NA	Research articles published in SCI indexed journals
March	16/03/2026	21/03/2026	2	Preparation for viva		NA	Research articles published in SCI indexed journals
March	23/03/2026	28/03/2026		Viva		NA	Research articles published in SCI indexed journals

***Assessment Rubrics**

Component	Max Marks
ISA 1	-
ISA 2	-
Practical	-
Project	100
Semester End Exam	-