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: CHP-101	**Program: TY BSc**	**Division: A**
Academic year: 2024 - 2025	**Semester: V**	**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
June	28/06/2024	29/06/2024	2	Literature review		NA	Research articles published in SCI indexed journals
July	01/07/2024	06/07/2024	2	Literature review		NA	Research articles published in SCI indexed journals
July	08/07/2024	13/07/2024	2	Literature review		NA	Research articles published in SCI indexed journals
July	15/07/2024	20/07/2024	2	Literature review		NA	Research articles published in SCI indexed journals
July	22/07/2024	27/07/2024	2	Literature review		NA	Research articles published in SCI indexed journals
July/ August	29/07/2024	03/08/2024	2	Literature review		NA	Research articles published in SCI indexed journals
August	05/08/2024	10/08/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
August	12/08/2024	17/08/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
August	19/08/2024	24/08/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
August	26/08/2024	31/08/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
September	02/09/2024	07/09/2024	2	Performing project experimental work		NA	Research articles published in SCI indexed journals

				Synthesis of metal oxides			
September	09/09/2024	14/09/2024	**GANESH CHATURTHI BREAK**				
September	16/09/2024	21/09/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
September	23/09/2024	28/09/2024	2				
September/ October	30/09/2024	05/10/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
October	07/10/2024	12/10/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
October	14/10/2024	19/10/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals

***Assessment Rubrics**

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