



Department of Chemical Engineering	LP: CH18612 Rev. No: 00 Date: 2.1.2024
B.E/B.Tech/M.E/M.Tech : Chemical Engineering Regulation:2018 A	
PG Specialisation : NA	
Sub. Code / Sub. Name : CH18612 Chemical Reaction Engineering Laboratory	

Session No*	List of Experiments
<b>CYCLE-I</b>	
1	Kinetic Studies in Batch reactor
2	Kinetic Studies in Semi-Batch reactor
3	Kinetic Studies in Packed Bed reactors of different lengths
4	Kinetic Studies in Sonochemical reactor
5	Residence Time distribution studies in Plug Flow Reactor
6	Residence Time distribution studies in Mixed Flow Reactor
<b>CYCLE-II</b>	
7	Kinetic Studies in Plug Flow Reactor
8	Kinetic Studies in Mixed Flow Reactor
9	Temperature dependant kinetic studies
10	Kinetic Studies in Reactors in series (CSTR followed by PFR)
11	Residence Time distribution studies in Mixed flow reactors in series
12	Residence Time distribution studies in Packed bed reactor
Content beyond syllabus (if any):	

\* Session Duration: 150 minutes





Sub. Code / Sub. Name: CH18612 Chemical Reaction Engineering Laboratory

	Prepared by	Approved by
Signature		
Name	Mr. N.Arun Prem Anand/Dr. Philip Bernstein Saynik Dr. G. Manikandan/ Dr. M. Srividhya	Dr. N. Meyyappan
Designation	Assistant Professor	Professor and Head of the Department
Date	2.1.2024	3/1/24
Remarks* :		
Remarks* :		

\* If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD