Course Type	Course Code	Name of the Course	L	T	P	Credits
DP	CHC304	**Chemical Kinetics and Reaction Engineering Lab**	0	0	3	3

Course Objective
The course is aimed to impart hands-on training on various fundamental aspects of chemical reaction engineering and their applications in process industries.
Learning Outcomes
Students would learn about various concepts of chemical reaction engineering as well as reinforce understanding on working principles of relevant reactors

Unit No.	List of Experiments
1	Kinetics in Batch Reactor (Equimolar feed)
2	Kinetics in Batch Reactor (Non-equimolar feed)
3	Isothermal Batch Reactor (Determination of Activation energy)
4	Kinetics in Plug flow reactor (PFR)
5	Kinetics in Mixed flow reactor (MFR)
6	Kinetics in semi-batch reactor
7	Residence Time Distribution (RTD) in plug flow reactor (PFR)
8	RTD in mixed flow reactor (MFR)
9	RTD in packed bed reactor (PBR)
10	RTD in mixed flow reactors in series