CH264	CHEMICAL TECHNOLOGY LAB	L	T	P	C	Int	Ext
		-	-	2	1.0	30	70

Semester IV [Second Year]

COURSE OBJECTIVES:

1. To instill students with the fundamental principles and concepts of Inorganic and Organic Chemical Technology
2. To provide students with the fundamental aspects of chemical process technology and professional knowledge in selected areas of Inorganic and Organic chemical technology
3. To provide knowledge in soap manufacturing, analysis and estimation
4. To provide knowledge in oil (testing), analysis and estimation of glucose and sugar

COURSE OUTCOMES:

After the successful completion of the course,students are able to

1. Demonstrate knowledge on fundamental principles of chemistry, Inorganic chemical technology and on contemporary applications
2. Design and conduct experiments, as well as critically analyze and interpret experiment results
3. Demonstrate the principles of organic chemical technology and other applications
4. Design a component process or system to meet the required product quality

EXPERIMENTS:

1. Determination of total dissolved solids and pH of water
2. Determination of chloride in tap water
3. Determination of Sulphate in tap water
4. Preparation of copper pigment
5. Preparation of chrome yellow
6. Preparation table salt
7. Proximate analysis
8. Estimation of nitrogen content in urea
9. Estimation of Glucose
10. Estimation of Cane sugar
11. Preparation of soap by semi boiled process
12. Total fatty matter in soaps