

Subject Code: 09CH1603

Subject Name: Project-II

Semester: 6th

Objectives : To learn about various manufacturing processes and economic evaluation with concept of chemical engineering for chemicals with suitable method for achieve maximum output.

Course Outcomes: After completion of this course, student will be able to:

1. Select problem in current chemical industries and apply fundamental concept of chemical engineering subjects to solve the problem
2. Carry out literature survey for selected product
3. Estimate economic evaluation
4. Improve their presentation & technical skills

Pre-requisite of course: Fundamental knowledge of chemical engineering basic subjects

Teaching and Examination Scheme*

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE	IA	CSE	Viva	Term Work	
0	0	12	6	0	0	0	100	100	200

Sr. No.	Syllabus - Lab	Contact Hours
1	Manufacturing of any one of products from below mentioned industries	
	Selection of chemical product from, various chemical sectors like Petrochemicals, Fertilizers, Pharmaceuticals, Pesticides, Natural products, Polymers, Acid and Alkalis, Speciality chemicals, Dyes and pigments, Introduction, history, present status and list of industries manufacturing the product, manufacturing processes with flow diagram and selection of most suitable process, all utilities and equipments, Economic and sight evaluation with safety factors	
2	Content of Project Report	
	Documentation of final project report which includes following in sequence & Presentation including moments at work-photographs in action <ul style="list-style-type: none"> • Introduction • Present status including list of industries • Properties of products • Applications of products • Raw materials • Manufacturing processes • Selected process description • Equipment • Parameters • Results • Conclusion 	