

INSTITUTE	DIPLOMA STUDIES
PROGRAM	DIPLOMA ENGINEERING (CHEMICAL ENGINEERING)
SEMESTER	6
COURSE TITLE	PROJECT-II
COURSE CODE	09CH2603
COURSE CREDITS	6

Objective:

- 1 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

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	12	0	0	0	100	100

Contents : Unit	Topics	Contact Hours
Total Hours		

Suggested List of Experiments:

Contents : Unit	Topics	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	84

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
2	Content of Project Report Documentation of final project report which includes following in sequence & Presentation including moments at work-photographs in action • Introduction • Present status including list of industries • Properties of products • Applications of products • Raw materials • Manufacturing processes • Selected process description • Equipment • Parameters • Results • Conclusion	84
Total Hours		168

Textbook :

- 1 NA, NA, NA, NA

References:

- 1 NA, NA, NA, NA, NA

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking