

Subject Code: 01ME0802

Subject Name: Project -II

B. Tech. Year - III (Semester - 8)

Type of course : Under Graduate

Prerequisite : Basic knowledge of Mechanical Engineering subjects

Rationale : The object of Project Work II is to enable the student to extend further the investigative study taken up under Project work I, either fully theoretical/practical or involving both theoretical and practical work

Course Outcome :

After learning the course, the students will be competent

1. To Design and Analyze Mechanical System.
2. To perform Product design and development tasks.
3. To perform Industry need based project.
4. To Conducting preliminary analysis/ Modeling/ Simulation/ Experiment/ Design/ Feasibility

Teaching and Examination Scheme :

Teaching Scheme			Credit C	Examination Marks					Total Marks
Theory	Tutorial	Practical		Theory Marks			Practical Marks		
			ESE(E)	IA	CSE	Viva (V)	Term Work (TW)		
0	0	12	6	0	0	0	100	100	200

The objective of Project Work II is to enable the student to perform in depth study of the topic assigned in the light of the Report prepared under project I, either fully theoretical/practical or involving both theoretical and practical work, under the guidance of a Supervisor. This is expected to provide a good initiation for the student(s) in R&D work.

The project may be based on any of the following suggested list :

1. Design, analysis and/or fabrication,
2. Conducting preliminary analysis/ Modelling / Simulation/ Experiment/ Design/ Feasibility
3. Product design and development,
4. Design and development of laboratory equipments/test rigs,
5. Developing computer programmes /software,
6. Industry need based basic survey or Testing or Analysis etc.

- 7 The student can undertake project single handed or in a group of not more than four students.
- 8 The students need to Prepare a Written Report on the Study conducted for presentation to the Department.
- 9 The student also needs to give Seminar /oral Presentation before a Departmental Committee.