

**Subject Code: 01ME0702**  
**Subject Name: Project - I**  
**B. Tech. Year - III (Semester - 7)**

**Type of course :** Under Graduate

**Prerequisite :** Basic knowledge of Mechanical Engineering subjects

**Rationale :** The objective of Project Work I is to enable the student to take up investigative study in the broad field of Mechanical Engineering

**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			Credits	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 I is to enable the student to take up investigative study in the broad field of Mechanical Engineering, either fully theoretical/practical or involving both theoretical and practical work to be assigned by the Department on an individual basis or three/four students in a group, 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,
- 5 Industry need based basic survey or Testing or Analysis etc.
- 6 The student can undertake project single handed or in a group of not more than four students.
- 7 The students need to Prepare a Written Report on the Study conducted for presentation to the



Department.

- 8 The student also needs to give Seminar /oral Presentation before a Departmental Committee.