

**Syllabus for Bachelor of Technology**  
**Computer Engineering/Information Technology**

**Subject Code: 01CE0404**

**Subject Name: Mini Project**

**B.Tech. Year - II**

**Objective:** The objective is to analyze real world problems and solve it using acquired engineering knowledge which will help students in transition from traditional practical work to open ended projects. This is a laboratory oriented course which will provide a platform to students to enhance their practical knowledge and skills by development of small scale projects/systems.

**Credits Earned:** 1 Credit

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

- Apply the acquired engineering knowledge to practical situations.
- Formulate a real world problem and develop its requirements
- Develop a design solution for a set of requirements.
- Test and validate the conformance of the developed prototype against the original requirements of the problem
- Work as a responsible member and possibly a leader of a team in developing software/hardware solutions
- Express technical ideas, strategies and methodologies in written form and oral presentations
- Self learn new tools, algorithms, and/or techniques that contribute to the software/hardware solution of the project

**Pre-requisite of course:** Basic Knowledge of Hardware / Software Programming.

**Teaching and Examination Scheme**

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE (E)	Mid Sem (M)	Internal (I)	Viva (V)	Term work (TW)	
0	0	2	1	0	0	0	50	50	100

**Contents:**

<b>Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
1	Project Identification	4
2	Requirement gathering & Analysis of existing similar work	4
3	Design Solution / Prototype development and validation against original requirement	4
4	Project Implementation	12
5	Report Writing and Presentation	4
	<b>Total Hours</b>	<b>28</b>

**Instructional Method:**

- a. The internal evaluation will be done on the basis of continuous evaluation of students in the laboratory.
- b. Practical examination will be conducted at the end of semester for evaluation of performance of students in laboratory.