

<b>INSTITUTE</b>	<b>FACULTY OF TECHNOLOGY</b>
<b>PROGRAM</b>	<b>BACHELOR OF TECHNOLOGY (COMPUTER ENGINEERING)</b>
<b>SEMESTER</b>	<b>7</b>
<b>COURSE TITLE</b>	<b>MAJOR PROJECT - 1</b>
<b>COURSE CODE</b>	<b>01CE0716</b>
<b>COURSE CREDITS</b>	<b>4</b>

**Objective:**

- 1 The objective is to enhance practical skills of students which will help them to analyze and solve real world problems by using latest software / hardware / tools and by applying theoretical knowledge

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

- 1 To analyze real world problems and design solutions for those problems
- 2 To identify practical aspect of studied technologies
- 3 To use latest software / hardware as per requirement
- 4 To develop complete solutions for real world problems
- 5 To use different testing methodologies for implemented work
- 6 To present and document implemented work effectively

**Pre-requisite of course:**NA

**Teaching and Examination Scheme**

<b>Theory Hours</b>	<b>Tutorial Hours</b>	<b>Practical Hours</b>	<b>ESE</b>	<b>IA</b>	<b>CSE</b>	<b>Viva</b>	<b>Term Work</b>
0	0	8	0	0	0	50	50
<b>Contents : Unit</b>	<b>Topics</b>						<b>Contact Hours</b>
<b>Total Hours</b>							

**Suggested List of Experiments:**

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
1	<b>Phase 1</b> Project/Problem Identification	2
2	<b>Phase 2</b> Project Analysis, Requirement Gathering	4
3	<b>Phase 3</b> Project Design / Prototype Development	4

**Suggested List of Experiments:**

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
4	<b>Phase 4</b> Implementation of Project/Solution	12
5	<b>Phase 5</b> Testing and Verification	2
6	<b>Phase 6</b> Presentation and Report Writing	4
<b>Total Hours</b>		<b>28</b>

**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					
<b>Remember / Knowledge</b>	<b>Understand</b>	<b>Apply</b>	<b>Analyze</b>	<b>Evaluate</b>	<b>Higher order Thinking / Creative</b>
0.00	0.00	0.00	0.00	0.00	0.00