

## Minor Project

**01CI1704**

### Objective of the Course:

- To identify and define the key issues or challenges within a specified domain i.e. Social, environmental, economical.
- To analyze the technical aspects of the project.
- To propose appropriate solutions that address the identified problems effectively, considering technical feasibility, impact, and suitability.
- To learn the significance of individual and team contributions in executing the project effectively, acknowledging their roles, expertise, and collaborative efforts.

**Credit Earned: 02**

### Student's learning outcomes:

After successful completion of the course, it is expected that students will be able to,

1. Define core problems in social, environmental, or economic spheres.
2. Analyze project technicalities with a systematic approach.
3. Determine impactful solutions considering feasibility, impact, and suitability.
4. Value individual and team contributions for successful project execution.

### Teaching and Examination Scheme

Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
Theory	Tutorial	Practical		ESE (E)	IA (M)	CSE (I)	Viva (V)	Term Work (TW)	
00	00	04	02	-	-	-	50	50	100

### Detailed Syllabus

Sr. No	Topic name	Hours
1	<b>Introduction to Problem Identification and Definition</b> Identifying a relevant problem or challenge within the chosen field of study, Defining the scope and objectives of the project	10
2	<b>Literature Review and Methodology</b> Conducting a literature review and to gather background information, Selecting appropriate methodologies and tools	16
3	<b>Project Outline, Design and Analysis</b> Developing a project outlining the problem statement, objectives, methodology, and expected outcomes	20
4	<b>Project Execution and Report Writing</b> Implementing the proposed solution in accordance with the project plan, Preparing and delivering a presentation on the project findings and outcomes, Writing a comprehensive project report	10
	<b>TOTAL</b>	<b>56</b>

### Instructional Method and Pedagogy:

1. Type of Project will be assigned to an individual/ group of students based on their inclination/ willingness/ interest
2. The project may include a site visit/ software training/ research project/ real life problem as per the project type, where individual/ group of students can avail an opportunity to build an appreciation for the concepts to be utilized in understanding the actual scenario.
3. At the end of semester, a presentation of the project is required to be done in group or individually on scheduled date for at least 15 minutes and submit the final project report.