

Branch Name:	Mechanical Engineering / Computer Engineering / Information Technology / Information and Communication Technology / Artificial Intelligence and Data Science / Electrical Engineering/ Civil Engineering
Program Code:	ET101/ ET103 / ET105 / ET107 / ET108 / ET109 / ET106
Course Name:	Engineering Project-III: Internship / Project
Course Code:	2ET1000801P
Pre-requisite Course:	Communication Skill, Engineering Mathematics, Core Departmental Courses

Course Objectives:

1. To identify, investigate, and critically evaluate current research and technological developments, thereby applying their knowledge to design, implement, and present a comprehensive final-year project.
2. To develop students' ability to conduct systematic investigations, apply engineering principles, and implement creative solutions, thereby enhancing practical skills and innovation through projects, prototypes, and technical demonstrations.

Teaching and Examination Scheme:

Credit	Teaching Scheme Hours per week				Evaluation Scheme (Marks)								
					Theory (Marks)				Practical (Marks)				Total (Marks)
	L	T	P	Total	SEE		CCA		SEE		CCA		
					Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
14	-	-	28	28	-	-	-	-	70	175	70	175	350

Course Contents:

Sr. No.	Activity	Week
1.	Project area identification and topic selection	1-2
2.	Collection of relevant research papers, patents, standards, and market studies	3-4
3.	Literature review and gap analysis	5-6
4.	Framing the problem statement and defining objectives	7-8
5.	Identification of methodology and tools required	9-10
6.	Compilation of review findings and proposal development	11
7.	Drafting and formatting of the literature review report	12-13
8.	Submission of final report and seminar/viva-voce	14

Implementation Guidelines:

- A student must choose an engineering project or internship based on a relevant topic such as curriculum-related subjects, emerging technological trends, system or process analysis, construction, fabrication or production techniques, and design methodologies.
- The engineering project or internship shall be carried out at an appropriate academic institution, research and development organization, or industry.
- During the semester, the student is required to deliver an internal presentation on the progress and outcomes of the selected project or internship.

- At the conclusion of the semester, the student must submit a comprehensive project or internship report documenting the work completed.
- Finally, the student is required to defend the project or internship before the appointed examiners at the end of the semester.

Course Learning Outcomes (CLO):

On completion of this course, the students will be able to:

CLO	Description	Bloom's Taxonomy Level
CLO1	Identify technical problems related to societal needs, industry, research and allied areas.	2 Understanding
CLO2	Understand the use of various tools and techniques relevant to problem solving.	2 Understanding
CLO3	Apply appropriate tools and techniques to develop effective solutions to identified problems.	3 Applying
CLO4	Analyze systems and identify key parameters that require improvement.	4 Analyzing
CLO5	Demonstrate proficient application of components, tools and techniques during experimentation or fabrication.	5 Evaluating
CLO6	Develop effective project report writing skills using modern information technology tools.	6 Creating

Mapping of CLOs with POs & PSOs:

Course Learning Outcomes	Program Outcomes (POs)												Program Specific Outcomes(PSOs)			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO1 2	PSO 1	PS O2	PSO 3	PSO4
CLO1	M		L			M	L		H		L			L	M	L
CLO2			M	M	L	L							L		M	
CLO3		L	M		H		M	L		M	L	L	L			M
CLO4	L	L	M		H			L	M	M			M		M	
CLO5		M		M	L		L							M		
CLO6	M		L			L		M		M	L	L		L		

H: High, M: Medium, L: Low