



	InSem Examination-II Summer 2024		
	Exam Seat No.:		
	Academic Year: 2023-2024	Semester: IV	
	Name of Programme: S.Y.B. Tech Electrical Engineering	Pattern: 2022	
	Name of Course: Design Thinking for Academic Project	Course Code: ELE222015	
	Max. Marks: 30	Duration: 1 hr	

	<p><b>Instructions:</b> Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.</p> <ol style="list-style-type: none"><li>1. This question paper contains _____ page(s).</li><li>2. Answer to each new question is to be started on a new page.</li><li>3. Assume suitable data wherever required, but justify it.</li><li>4. Draw the neat labelled diagrams, wherever necessary.</li><li>5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.</li></ol>	
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**Question No. 1 Attempt following Question**

- a) What is an academic project and state the significance of the academic project. (7) CO1

**OR**

- b) What are the characteristics of the academic project? (7) CO1

- c) How to decide the title of the project? What is the difference between aims and objectives? (8) CO1

**OR**

- d) Explain the competency matrix with an example. (8) CO1

Why do the projects fail? Give at least 5 reasons.

**Question No. 2 Attempt following Question**

- a) What is design innovation and define desirability, viability and feasibility (7) CO3

**OR**

- b) Explain observation and interview as tools of the Empathy phase of design thinking. (7) CO3

- c) Describe the ideation phase of design thinking with examples (8) CO3

**OR**

- d) Discuss the various tools used for the ideation phase. Give one example. (8) CO3

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