

LESSON PLAN
Fundamental of Electrical & Electronics Engineering Lab
Course Code-PR4 (a)

Faculty Name: Niharika Sethy	Branch: Mechanical Engg , PME ENGG
Sem: 2 nd Semester	
Session: 2025-26	W.E.F- 09/01/2026 to 08/05/2026
NO of classes/ Week	List of the Practical
W1.	Determine the permeability of magnetic material by plotting its B-H curve
W2.	Measure voltage, current and power in 1-phase circuit with resistive load
W3.	Measure voltage, current and power in R-L series circuit
W4.	Determine the transformation ratio(K) of 1-phase transformer
W5.	Connect single phase transformer and measure input and output quantities
W6.	Make Star and Delta connection in starter to run induction motor
W7.	Identify various passive and active electronics components
W8.	Connect resistors in series and parallel combination and measure its value using digital multimeter.
W9.	Connect capacitors in series and parallel combination and measure its value using multimeter.
W10.	Use multimeter to measure the value of given resistor and determine the value to confirm with colour code
W11.	Test the PN-junction diode and LED using digital multimeter.
W12.	Test the performance of PN-junction diode
W13.	Test the performance of Zener diode
W14.	Identify three terminals of a transistor using digital multimeter.
W15.	Test the performance of NPN transistor