

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

<b>Faculty Name: Niharika Sethy</b>		<b>Branch: Mechanical Engg , PME ENGG</b>	
<b>Sem: 2<sup>nd</sup> Semester</b>		<b>W.E.F- 09/01/2026 to 08/05/2026</b>	
<b>Session: 2025-26</b>			
<b>NO of classes/ Week</b>	<b>List of the Practical</b>		
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		