


Discipline: Electrical Engg.	Semester: 3 rd (Session-2025-2026)	Name of the Teaching Faculty: N . C BEHERA , Sr. Lect. (Electrical)	STATUS
Subject: EEM LAB Course Code: EEPC215	No.Of Days/Week Class Allotted = 4	Semester :From Date 14.07.2025 To Date: 15.11.2025 No. of Weeks: 15	
Week	Class Day	List of experiments /Practical	
1 st	1 st	Identify measuring instruments on the basis of symbols on dial, type, accuracy, class position and scale	
2 nd	1 st	Identify the components of PMMC and MI instruments.	
3 rd	1 st	Extend range of ammeter and voltmeter by using (i) shunt and multiplier	
4 th	1 st	Extend range of ammeter and voltmeter by using (i) shunt and multiplier	
5 th	1 st	Use electro-dynamic watt-meter for measurement of power in a single phase circuit	
6 th	1 st	Use single three phase wattmeter for measurement of active and reactive power of three phase-balanced load.	
7 th	1 st	Use two wattmeters for measuring active power of three-phase balanced load.	
8 th	1 st	Calibrate single-phase electronic energy meter by direct loading.	
9 th	1 st	Use voltmeter and ammeter method for measurement of medium resistance.	
10 th	1 st	Use Megger for insulation resistance measurements.	
11 th	1 st	Use Megger for insulation resistance measurements.	
12 th	1 st	Measure the unknown frequency and phase angle, using CRO by Lissajous figure.	
13 th	1 st	Group discussion	
14 th	1 st	Group discussion	
15 th	1 st	Record submission and Grand Viva	


 28.9.2025
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