

**“PVC” NSSK Govt. Polytechnic Bilaspur at Kalol (H.P.)**  
**Practical Planning & Coverage**

Branch : **Electrical Engg.**

Semester: **4th**

Subject: **Electrical & Electronic Measuring Instruments**

Session: **Feb 2023 – Jun 2023**

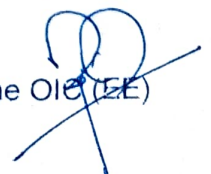
Teacher: **Ashwani Kumar**

Lab: **EEMI Lab**

Pract. No.	Description of Practical	Reference for Procedure/ Writeup	Likely Dates	Actual Dates	Sign.
1.	Use of analog and digital multi-meter for measurement of voltage, current (AC/DC) and resistance.	Lab Manual	22/02/23 (G-1) 23/02/23 (G-2)		
2.	Use of LCR meter for measuring inductance, capacitance and resistance.	Lab Manual	01/03/23 (G-1) 02/03/23 (G-2)		
3.	To calibrate 1-phase energy meter by direct loading method.	Lab Manual	15/03/23 (G-1) 09/03/23 (G-2)		
4.	To measure the value of resistance using Wheatstone bridge.	Lab Manual	22/03/23 (G-1) 16/03/23 (G-2)		
5.	To measure power, power factor in a single-phase circuit, using wattmeter and powerfactor meter and to verify results with calculations.	Lab Manual	29/03/23 (G-1) 23/03/23 (G-2)		
6.	Measurement of voltage and frequency of a sinusoidal signal using CRO and draw wave shape of signal.	Lab Manual	05/04/23 (G-1) 06/04/23 (G-2)		
7.	To measure Energy at different Loads using Single phase Digital Energy meter.	Lab Manual	12/04/23 (G-1) 13/04/23 (G-2)		
8.	To study a Linear Variable Differential Transformer (LVDT) and use it in a simple experimental set up to measure a small displacement.	Lab Manual	19/04/23 (G-1) 20/04/23 (G-2)		
9.	To measure the speed of a motor shaft with the help of non-contact type pick-ups (magnetic or photoelectric) or Digital Tachometer.	Lab Manual	26/04/23 (G-1) 27/04/23 (G-2)		



Signature of Teacher with Date



Signature of the OIE (EE)