

Name of Lab: Measurement Lab.

Floor Area: 192 Sq. m.

S. No.	Name of the Equipment	Specification	Make	Quantity
1.	Owen's Bridge Hay's Bridge Maxwell Bridge Shearing Bridge	Power supply, 1 KHz Oscillator, Null detector & Null indicator All built in.	Vijayanta	1 1 1 1
2.	Kelvin Double Bridge	Spot Galvanometer Critical damping resistance -140 ohm Conductor clamp-50cm Resistance of Coil – 20 Ohms Sensitivity –7mm/ μ A – 0.35 mm/ μ v D C power supply for Bridge (5V/10A)	Toshniwal	1
3.	Measurement of power & power factor of single phase at varying load.	a. Portable A C Ammeter, Accuracy + 1%, range 0 to10 amp. b. Single-phase inductive load (choke coil), current 8amp. c. Rheostate-50 Ohm/ 5 amp d. Variable Auto T/F Enclosed type: Capacity-10A	Vijayanta/ Toshniwal	1
4.	Portable Potentiometer	Internal resistance-250 Ohm/Volt DC voltage source:0-1.8V adjustable Sensitivity: 1 mm / μ Amp or 0.05 mm/ μ V Standardisation: By coarse and fine control pots.	Toshniwal	1
5.	R.C. Network Kit for Phase Difference and Frequency Measurement.	Lissagious pattern	Vijayanta/ Toshniwal	1
6.	Lamp load	Per step 200 W, No.of steps-10, Capacity 2 KVA.	Vijayanta	1
7.	D.C. Power supply	a. Variable O/P-10 A, 0 to 250V b. Fixed O/P 220V, 5A c. With D.C. Ammeter & D.C. Voltmeter d. With necessary protection.	Vijayanta	1

8.	Portable A.C. ammeter	Accuracy \pm 1%, Range:0-5 amp Range:0-10 amp	1 1
9.	Portable A.C. voltmeter	Accuracy \pm 1%, Range:0-500 V Range:0-200 V	1 1
10.	Microprocessor Kit (8085)	Any Make 8085 Microprocessor Training with built in power supply.		1
11.	Decade Resistance Box	1 ohm to 100 K or 1 M ohm in 5 Decades 2 W	Vijayanta	1
12.	Decade Inductance Box	Total inductance 1 H in step of 0.1 mH	Vijayanta	1
13.	Decade Capacitance Box	10 microF in step of 0.01 microF	Vijayanta	1
14.	Experimental Kit for Diode , Zener diode & Transistor characteristics	With necessary power supplies and measuring meters (all built in)	Vijayanta	1
15.	Experimental Kit For Rectifiers & Filters (Half Wave , Full Wave & Bridge Type with Filters)	With necessary power supplies and measuring meters (all built in)	Vijayanta	1
16.	Three phase Variable load	Resistive, Capacitive, Inductive. (Combined)	Vijayanta	1