



MOTHER TERESA

INSTITUTE OF SCIENCE & TECHNOLOGY

Permanently Affiliated to JNTUH, Hyderabad
Recognition under Section 2(f) & 12 (B) of the UGC Act, 1956
AN ISO 9001:2008 CERTIFIED INSTITUTION
SANKETIKA NAGAR, SATHUPALLY – 507303, KHAMMAM Dist., TELANGANA



Department of Electrical and Electronic Engineering

Electrical measurements



Lab Description:

This lab aims at providing the basic concepts for measuring the different electrical parameters like resistance, capacitance, inductance, and unknown parameters to impart knowledge on the working of different types of measuring instruments.

Course Objectives:

To learn how to visualize and work on laboratory and multidisciplinary tasks.

To demonstrate various Bridges & sensors using simulation and hardware set ups.

To Measure Voltage, Current, Power factor, Power, Energy

Course Outcomes:

Have knowledge, to demonstrate the designing and conducting experiments,

1. To analyze and interpret data.
2. Provides the ability to visualize and work on laboratory and multidisciplinary tasks.
3. Measurement of R,L,C ,Voltage, Current, Power factor , Power, Energy
- 4 .Measurements of Magnetic Circuits.
- 5 .Measurement uses PMMC and Moving Iron type Instruments
- 6 .Measurement of power using LPF and UPF methods.
- 7 .Ability to balance AC Bridges to find unknown values.