

ELECTRICAL MEASUREMENT AND MEASURING INSTRUMENTS LAB (P-3024)

- 1. Use of analog and digital multimeter for measurement of voltage, current (a.c/d.c) and resistance.**
- 2. To calibrate 1-phase energy meter by direct loading method.**
- 3. To measure the value of earth resistance using earth tester.**
- 4. To measure power, power factor in a single-phase circuit, using wattmeter and power factor meter and to verify results with calculations.**
- 5. Measurement of power and power factor of a three-phase balanced load by two wattmeter method.**
- 6. Measurement of voltage and frequency of a sinusoidal signal using CRO time base as well as Lissagous pattern and draw wave shape of signal.**
- 7. Measurement of power in a 3 phase circuit using CT, PT and 3-phase wattmeter.**
- 8. Use of LCR meter, digital LCR meter for measuring inductance, capacitance and resistance.**
- 9. To record all electrical quantities from the meters installed in the institution premises.**
- 10. To measure Energy at different Loads using Single phase Digital Energy meter.**