Galgotias College of Engineering and Technology
1, Knowledge Park-II, Greater Noida, 201306(Uttar Pradesh)

Department: Electrical and Electronics Engineering

LIST OF EXPERIMENT
BEE352- ELECTRICAL MEASUREMENTS AND INSTRUMENTATION LAB

Note : Minimum ten experiments are to be performed from the following list:

1. Calibration of AC voltmeter and AC ammeter.
2. Measurement of inductance using Maxwell's Bridge.
3. Measurement of capacitance using Schering Bridge.
4. Measurement of low resistance using Kelvin's Double Bridge.
5. Measurement of Power using CT and PT.
6. Measuring displacement using LVDT.
7. Measuring temperature using thermocouple.
8. Measuring pressure using piezoelectric pick up.
9. Measurement of speed of DC motor by photoelectric pick up.
10. Speed measurement using Hall Effect sensor.
11. PC based data logging of temperature sensor using LabVIEW/ MATLAB.
12. Signal conditioning of analog signal using LabVIEW/ MATLAB.

Note: Any two experiments from above list should also be performed by students on Virtual Lab.

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LIST OF EQUIPMENT ELECTRICAL MEASUREMENTS AND INSTRUMENTATION LAB
Measurement of Power Using CT & PT
Measuring Pressure Using Piezoelectric Pickup
Speed Measurement Using Hall Effect Sensor
Measurement of inductance using Maxwell's Bridge
Measurement of capacitance using Schering's Bridge
Measurement of low resistance using Kelvin's Double Bridge
Measuring displacement using LVDT
Measuring temperature using thermocouple
Calibration of AC Voltmeter and AC Ammeter
De Sauty Bridge
Owen's Bridge
Anderson Bridge
DC Motor by Photoelectric Pickup