

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

## **GYAN SAGAR COLLEGE OF ENGINEERING**

New Scheme Based On AICTE Flexible Curricula

**Electrical & Electronics Engineering, III-Semester**

### **Electrical Measurements and Instruments**

#### **LIST OF EXPERIMENTS**

1. Measurement of low resistance using Kelvin's Double bridge
2. Measurement of medium resistance using Wheatstone's bridge
3. Measurement of high resistance by loss of charge method
4. Measurement of Insulation resistance using Megger
5. Measurement of earth resistance by fall of potential method and verification by using earth tester
6. Measurement of power in a single phase ac circuit by 3 voltmeter/ 3 Ammeter method
7. Calibration of a dynamometer type of wattmeter with respect to a standard/Sub Standard wattmeter
8. Calibration of single phase digital/ Electronic type energy meter.
9. Calibration of a dynamometer type of wattmeter by Phantom Loading method.
10. Measurements using Instrument Transformers.
11. Study of various types of Indicating Instruments.
12. Measurement of Power in three phase circuit by one, two & three wattmeters.