

**RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL**

**New Scheme Based On AICTE Flexible Curricula**

**Electronics & Communication Engineering III-Semester**

**EC305 EMI Lab**

**List of Experiments:**

1. Study of Cathode Ray Oscilloscope.
2. Study of displacement measurement by LVDT.
3. Force measurement by strain gauge.
4. Measurement of Capacitor using Q-meter.
5. Measurement of Self-induction using Q-meter.
6. Temperature measurement by thermistor.
7. Study of optical Transducers: Photo-diode, Photo-Transistor.
8. Design of digital to analog converter, R-2R ladder Type and analysis of its characteristics.
9. To measurement of the unknown Inductance by using Maxwell's bridge method.
10. To measurement of the unknown capacitance by using Schering bridge method.
11. To measurement of the unknown Frequency by using Wein's bridge method.
12. To measurement of the unknown Inductance by using Hay's bridge method.
13. To calculate Frequency and amplitude using CRO & Function Generator.
14. To calculate Frequency using Lissajious Pattern.
15. To study RVDT.
16. Study of Function Generator.
17. Temperature measurement by thermocouple.
18. Temperature measurement by RTD.
19. Study of optical Transducers: Photo conductive, Photo voltaic.
20. To study digital Multimeter.