

**RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL**

**New Scheme Based On AICTE Flexible Curricula**

**Electronics & Communication Engineering III-Semester**

**EC306 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.**