

34035- ELECTRICAL CIRCUITS AND INSTRUMENTATION PRACTICAL

DETAILED SYLLABUS

LIST OF EXPERIMENTS

1. Construct a circuit to verify Ohm's law.
2. Construct a circuit to verify Kirchoff's voltage and current law.
3. Construct a circuit to verify Super position theorem.
4. Construct a circuit to verify Thevenin's Theorem.
5. Construct a circuit to verify Norton's Theorem.
6. Construct a circuit to verify Maximum power transfer Theorem.
7. Construct and test the performance of series resonant circuit and parallel resonant circuit.
8. Calibrate the given ammeter and voltmeter.
9. Construct and test the performance of Wheatstone bridge.
10. Measure the amplitude and frequency of signals using dual trace CRO.
11. Measure the frequency and phase angle using CRO by Lissajous figure.
12. Test the performance of LVDT.
13. Measure strain using strain gauge.
14. Determine the characteristics of a thermistor
15. Test the performance of a load cell.