

**II Year – I SEMESTER**

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**ELECTRICAL CIRCUITS LAB**

Any 10 of the following experiments are to be conducted:

- 1) Verification of Thevenin's and Norton's Theorems.
- 2) Verification of Superposition theorem and Maximum Power Transfer Theorem.
- 3) Verification of Compensation Theorem.
- 4) Verification of Reciprocity, Millmann's Theorems.
- 5) Locus Diagrams of RL and RC Series Circuits.
- 6) Series and Parallel Resonance
- 7) Determination of Self, Mutual Inductances and Coefficient of coupling.
- 8) Z and Y Parameters
- 9) Transmission and hybrid parameters
- 10) Measurement of Active Power for Star and Delta connected balanced loads.
- 11) Measurement of Reactive Power for Star and Delta connected balanced loads.
- 12) Measurement of 3-phase Power by two Wattmeter Method for unbalanced loads.