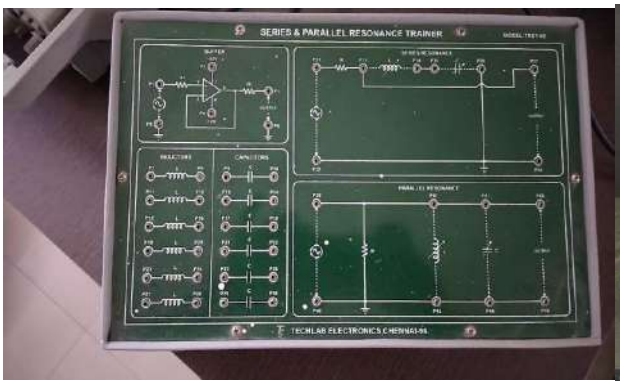
UG Laboratories/ Basic Electrical Circuit Laboratory



List of Experiments

1. To verify and finding the equivalent circuit of a Thevenin's theorem.
2. To verify and finding the equivalent circuit of a Norton's theorem.
3. To verify Maximum Power Transfer theorem.
4. To verify Super Position theorem.
5. To study the operation of Series and Parallel Resonance of a RLC circuit.
6. To find the power of a 3-Ø balanced and unbalanced system.
7. To study the operation of a Transformer as a Coupled circuit and determination of its
    a) Self-Inductance
    b) Mutual Inductance
    c) Coupling Coefficient.
8. To verify Telligen's theorem.
9. Transient response of a RL and RC Circuits.
10. To find the various Two- Port network parameters of a given network.

List of Major Equipment's

1. Maximum Power Transfer Theorem kit
2. Series and Parallel Resonance of a RLC circuit kit
3. Verification of Telligen's theorem kit
4. Two- Port network parameters Kit