

## **Name of the laboratory: Basic Electrical Engineering Lab**

### **Objectives of the lab:**

- The objective of Basic electrical and electronics engineering laboratory is to learn the practical experience with operation and applications electromechanical energy conversion devices such as DC machines, transformers, three phase induction motors and alternators. It also aims to get the knowledge of the different electronic devices like diodes, rectifiers, transistors and how these devices are used in real time applications. It also makes the students to learn how to measure the electrical quantities with different measuring devices and with CRO.

### **List of experiments:**

1. To verify KCL and KVL
2. To study the V-I characteristics of an incandescent lamp.
3. To measure single phase power by using three ammeter method.
4. To measure the single phase power by using three voltmeter method.
5. To perform short circuit test on a single phase transformer.
6. To perform open circuit test on a single phase transformer.
7. To measure three phase power by using two wattmeter method.
8. To verify Thevenin's theorem.
9. To verify Superposition theorem.

