



# **ELECTRICAL ENGINEERING SYSTEMS LAB (P-23.6)**

## **1. Use of Megger:**

**Objective:** To make the students familiar with different uses of different electrical instruments.

## **2. Connection of a three phase motor and starter including fuses and reversing of direction of rotation.**

a) Students should be familiar with the equipment needed to control a three phase motor

b) The students must experience that by changing any two phases, the direction of rotation is reversed.

## **3. Connection of a lamp, ceiling fan, socket outlet, geyser, floor grinder, voltage stabilizer etc.**

a) Students may be made familiar with the different types of equipment and circuits used in the domestic installations

## **4. Treatment of electric shock**

a) Students must be trained to treat the persons suffering from an electric shock

## **5. Demonstration and study of Domestic installation components used in single phase and three phase wiring.**

## **6. Demonstration and study of distribution line components.**

## **7. Demonstration and study of different electrical circuits used in Generator, Lift, Stage lightening etc.**

## **8. Demonstration and study of distribution board. Students may be asked to study the distribution board in the institution and note down all accessories.**

## **9. Connections and taking reading of energy meter**

a) Students may be asked to connect an energy meter to a load and calibrate reading

## **10. Demonstration and study of submersible motor pump set and its working to tell use of the set in water supply and irrigation works.**

**Department of  
Civil Engineering**