

List of Experiments prescribed by affiliating university AKTU 2020-21

KEE353: ELECTRICAL WORKSHOP

Note: Minimum ten experiments are to be performed from the following list:

1. To study the working and Control of two lamps in series and in parallel
2. To perform the stair case working and it's testing.
3. To study the working principle and wiring of fluorescent lamp.
4. To study and wiring of distribution board including power plug using isolator, MCB, ELCB.
5. To study and estimate a typical, BHK house wiring.
6. Familiarization, soldering, testing and observing the wave forms on CRO of a HW and FW uncontrolled rectifier (using diodes) with capacitor filter.
7. Visit your college substation and familiarize the supply system, Transformer, HT Panel and Distribution etc.
8. To study construction, working and application of workshop tools. Also study the Electrical and Electronics Symbols.
9. To study the wires, cables and their gauges, Domestic Electrical Accessories.
10. Mini Project on PCB.
11. To study fault, Remedies in Domestic Installation and Indian Electricity Rules.
12. To study the different types of earthing system and measure the earth resistance.

List of experiments to be carried out at GCET Workshop Lab 2020-21

1. To study the working and Control of two lamps in series and in parallel
2. To perform the stair case working and it's testing.
3. To study the working principle and wiring of fluorescent lamp.
4. To study and wiring of distribution board including power plug using isolator, MCB, ELCB.
5. To study and estimate a typical, BHK house wiring.
6. Visit your college substation and familiarize the supply system, Transformer, HT Panel and Distribution etc.
7. To study construction, working and application of workshop tools. Also study the Electrical and Electronics Symbols.
8. To study the wires, cables and their gauges, Domestic Electrical Accessories.
9. To study fault, Remedies in Domestic Installation and Indian Electricity Rules.
10. To study the different types of earthing system and measure the earth resistance.

List of Major Equipment in Electrical Workshop Lab

- Household Level Voltage Equipment Testing
- Setup for performing stair case wiring.
- Digital Earth Tester
- MCB, ELCB
- Setup for Control of two lamps in series and parallel
- Kit for BHK house wiring
- CRO
- Essential Electrical Tools of various ratings