

Training Course – Electrification

Duration: 6 weeks

1. An introduction of tools used by an Electrician.
2. A detailed study of PVC copper wire with specified dimension in metric system.
3. A detailed study of electrical appliances.
4. Practical knowledge of circuits.
5. Application of MCB.
6. Application of energy meter.
7. Application of main switches.
8. Application of 2 pin, 3 pin and power socket joining with lights.
9. Security system to protect all the appliances and circuits.
10. Theory of amps, volts and watt mathematical formulae.
11. Knowledge about DB board and its installation.
12. A detailed study of electrical drawings and diagrams.
13. Single phase and three phase wiring and its capacity on volt, watt and amps.
14. Practical installation of electrical appliances by use of diagram.
15. A detailed study of core wire with the application of metric system.
16. A detailed study of earthen system with all materials used in earthen.
17. Uses of all electrical appliances with standard dimension.
18. Installation of security lighting, CCTV system.
19. PVC pipe wiring, surface wiring and concealed wiring with the application of all appliances and standard dimension.
20. Installation of electrical motor, fan and bell.
21. Revision of entire course with practical trade test.
22. Presentation of certificate.

Action Plan – Electrification

After completion of training, trainee can

- Recognize all tools used by an Electrician.
- Select PVC copper wire for house wiring with the application of metric system.
- Confidently recognize all electrical appliances.
- Connect every circuit with the application of all (MCB, energy meter, main switches, 2 pin sockets, 3 pin sockets, lights DB board, electrical motor, fan, bell, etc) electrical appliances.
- Solve amp, volt and watt with the application of mathematical formulae.
- Work with drawing and diagrams.
- Apply earthen for every wiring with using materials for earthen.
- Apply all the appliances with standard dimension.

- Install security lighting, CCTV system in the building.
- Apply different (PVC wiring, surface wiring and concealed wiring) types of house wiring with standard dimension.
- Apply necessary security system to protect all the appliances and circuits.