

Course Overview:

Nearly every occupation exposes workers to the hazards of low voltage electrical energy. These hazards include electrical shock, electrocution, burns, and arc flash incidents. In many instances in which workers have suffered permanent injury or died due to electrical hazards, faulty installation, careless maintenance, or other preventable situations have been present.

Course Objective:

- Have an overview on the evolution of Low Voltage Electrical Safety Work Standards and its recent advancements
- Recognize possible hazards in the working areas
- To be highly alert with respect to Low Voltage Electrical Equipment hazards

Course Outline:

- Electrical Safety Regulations
- The Importance of Electrical Safety
- Electrical Hazards
- Effects of Electrical Current
- Low-Voltage Electrical Safety Orders
- Work on Energized Equipment or Systems
- Safety Precautions
- Electrical Installation Requirements
- Working Space
- Grounding
- Branch Circuits and Receptacles
- Outlet Devices
- Outdoor Wiring and Services
- Overcurrent Protection and Circuit Breakers
- Cabinets, Boxes, and Fittings
- Switches and Switchboards
- Service and Service Entrance Equipment

Who Should Attend:

- Industrial safety and health personnel
- Erection and Maintenance staff
- Electrical Technicians

Training Language:

Eng

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation