



Basic Electrical Workshop Equipment

Course Introduction:

This 5-day theoretical training course, "Basic Electrical Workshop Equipment," is designed to provide participants with foundational knowledge about the various tools and equipment used in electrical applications, focusing on their operation, maintenance, and safety protocols.

Throughout the course, participants will explore key concepts related to common electrical tools, including their functions, proper usage, and the importance of adhering to safety standards. Emphasis will be placed on understanding how to select appropriate equipment for specific tasks, recognizing potential hazards, and implementing best practices to minimize risks. By examining case studies and industry standards, attendees will gain valuable insights into the effective management of electrical workshop equipment, preparing them for successful careers in the electrical field.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the fundamental principles of basic electrical workshop equipment.
- Learn about various types of electrical tools and their specific applications.
- Explore safety protocols and best practices related to electrical equipment usage.
- Analyze maintenance requirements and troubleshooting techniques for workshop tools.
- Familiarize participants with industry standards relevant to electrical workshop operations.

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Who Should Attend?

This course is intended for Electrical technicians and apprentices, Maintenance personnel in electrical fields, Project managers overseeing electrical installations and Safety officers and compliance personnel.

Course Outline:

Day 1: Introduction to Electrical Workshop Equipment

- Overview of the electrical workshop environment and its importance
- Key definitions and concepts related to electrical tools and equipment
- Historical context and evolution of electrical workshop practices

Day 2: Common Electrical Tools and Their Applications

- Examination of essential electrical tools (e.g., multimeters, wire strippers, soldering irons)
- Discussion of specific applications for each type of tool
- Understanding the importance of tool selection for various tasks

Day 3: Safety Protocols in Electrical Workshops

- Overview of safety standards and regulations in electrical work
- Discussion of personal protective equipment (PPE) and its significance
- Best practices for safe tool handling and electrical work

Day 4: Maintenance and Troubleshooting of Electrical Tools

- Understanding the importance of regular maintenance for workshop equipment
- Techniques for troubleshooting common issues with electrical tools
- Best practices for tool storage and care

Day 5: Industry Standards and Best Practices

- Exploration of relevant industry standards for electrical workshop equipment
- Review of case studies showcasing effective tool management and usage
- Strategies for continuous improvement in workshop operations and safety

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

Course Fees:

To be advice as per course location. This rate includes participant's manual, Hands-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session