



ADVANCED DOMESTIC ELECTRICAL KNOWLEDGE & TROUBLESHOOTING

OBJECTIVES

Electrical hazards are unique because there are no other processes of universal application where the human senses when unaided can give no warning of its danger. The danger of dealing with electricity is normally death. Once the degree of danger is recognized, electricity knowledge and skills in the control and avoidance of danger is therefore highly demanded. Dependence of safety lies in the skills and electrical knowledge which brings about the requirement of an Electrician who should be in control of the day-to-day running of the electrical installation in an organization.

WHO SHOULD ATTEND

1. Anyone with general technical knowledge.
2. Working in a technical environment.
3. Technicians, Supervisors and Engineers who wish to enhance their knowledge in the operation of control system.

COURSE OUTLINE

Electrical Components

- Sources and Generation of Electricity
- Current, Voltage and Resistance
- Ohm's Law
- Alternating Current (AC)
- Direct Current (DC)
- Contactors and Transformers
- Cables and Protective Devices

Electrical Equipment Operating Principles

- Electrical Symbols
- Electrical Diagrams
- Power and Control Diagram
- Fuses and Earthing
- Control Devices and Actuators
- Circuit Breakers

Measurement Procedures

- Multimeter as a Tool
- Current, Voltage and Resistance Measurement

Electrical Diagrams and Wiring

- Electrical Installation
- Schematic Drawings
- Cable Selection and Sizing

Installation Practices

- Motor Control Circuits
- Domestic & Industrial Circuits

Troubleshooting Practices

- Control & Power Circuit
- Troubleshooting
- Domestic & Industrial Circuits Troubleshooting

TRAINER

PESDC has a panel of professionally qualified, well-trained and industrially experienced technical trainers.

COURSE FEE

(STECH-E11)

RM600.00 per pax (member)

RM660.00 per pax (non-member)

(Inclusive of course materials, lunch and refreshment).

*80% course fees claimable from SMIDEC grant
20% course fees claimable from HRDF*

Certificate of Achievement will be awarded upon successful completion of the course.

*SBL-KHAS
claimable*

For Further Enquiries, please contact:

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COURSE DETAILS

Duration : 2 days (16 hours)

Date : To be advised

Time : 9.00am to 5.00pm

Venue : PESDC Training Complex