

ELECTRICAL COURSES

PROTECTION AND ALARM SYSTEMS (E65A)

OBJECTIVE:

An electrical installation in a building comprises various kinds of electrical apparatus fixed in position ready to use, together with the necessary connecting conductors, cables, fuse and control gear.

WHO SHOULD ATTEND?

Electrical engineers and technicians, specially those who are working in the field of electrical installation and maintenance.

COURSE CONTENT:

- Power Supply and Distribution
- System Protection
- Measures and Alarm Systems
- Protection Against Electric Shock Under Fault Conditions
- Protection Equipments for Load Circuits
- Circuit-Breaker Specification
- Burglar Alarm
- Detection Devices
- Automatic Fire Detectors
- Fire Detector Alarm Systems

Duration: 5 Days

Date:	Venue:	Cost:
Jan 31– Feb 4	Dammam	SR7,000
Jun 14 – 18	Oman	SR 9,000
Dec 19 – 23	Dammam	SR7,000

POWER SYSTEM NETWORK, DISTRIBUTION and PROTECTION (E98AE)

OBJECTIVE:

This course explains basic theoretical analysis of operation and distribution. Electrical Power Generation, Transformation, Distribution and Protection Techniques are also covered.

WHO SHOULD ATTEND?

This course is recommended for electrical supervisors, engineers or whoever is involved in power system networks, distribution and protection.

COURSE CONTENT:

- Introduction
- Power System Components
- Generating Units
- Performance and Economics of Transmission and Distribution Systems
- Voltages and Power Calculations of the Transmission Systems
- Load Flow Calculations
- Short-Circuit Calculations
- Circuit Breaker Rating Calculations
- Power System Protection
- Basic Definitions and Standard Device Numbers
- Distance Protection Relays

Duration: 5 Days

Date:	Venue:	Cost:
Mar 14 –17	Dammam	SR 7,000
Aug 8 – 12	Abha	SR 8,000
Dec 5 - 9	Dammam	SR 7,000