

ELECTRICAL COURSES

POWER SYSTEMS HARMONICS (E71AE)

OBJECTIVE:

This course is designed to provide the participants with full theoretical and practical details about power system harmonics concepts, causes, and solutions.

WHO SHOULD ATTEND?

This course is offered for anyone who has an interest in the latest topics of harmonics. This course is targeted towards utility personnel and technical staffs who wants a better understanding of power system harmonics customers will also find this course beneficial.

COURSE CONTENT:

- Fundamental of Power System Harmonics
- Effects of Harmonics and Harmonic Surfaces
- Problems Associated with Power System Harmonics
- Modeling and Simulation of Harmonic Propagation in Power Systems
- Various Issues and Concern on Power Quality
- Mitigation of Harmonic Distortion and Problems
- Harmonic Measurements
- Case Studies

Duration: 5 Days

| Date: | Venue: | Cost: |
|-----------|-----------------|---------|
| Mar 15-19 | Qatar | SR8,000 |
| May 17-21 | Dubai | SR8,000 |
| May 24-28 | Jubail | SR7,000 |
| Aug 2-6 | Sharm El-Shaikh | SR8,000 |

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 19 – 23 | Dammam | SR6,000 |
| Jun 21 – 25 | Dammam | SR6,000 |
| Jun 28 – Jul 2 | Riyadh | SR7,000 |