

ELECTRICAL COURSES

POWER SYSTEM HARMONICS (E41AE)

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 staff who want 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 29 – Apr 2	Dammam	SR6,000
Aug 9 – 13	Riyadh	SR7,000
Oct 18 – 22	Dammam	SR6,000

POWER SYSTEM PROTECTION (E38A)

OBJECTIVE:

This seminar is designed to identify the different types of faults on the power system and the fault calculations.

WHO SHOULD ATTEND?

This course is recommended for engineers and supervisors with basic experience in the field of protection.

COURSE CONTENT:

- Overview of Fault Calculations
- Transducers
- Overcurrent & Earth Fault Protection
- Unit Protection: Principles & Practical Implementation
- Generator Protection
- Transformer Protection
- Transmission Circuits
- Motor Protection

Duration: 5 Days

Date:	Venue:	Cost:
Mar 8 – 12	Dammam	SR6,000
Aug 23 – 27	Abha	SR7,000
Aug 30 – Sep 3	Dammam	SR6,000