

# ELECTRICAL COURSES

## DIGITAL EXCITER MAINTENANCE (E45AE)

**OBJECTIVE:**

This seminar is designed to develop the understanding of electricity. It will also increase participants knowledge about operation and control of the Digital Exciter and its components.

**WHO SHOULD ATTEND?**

This program is recommended for experienced supervisors and engineers involved with the operations and maintenance of digital Exciter.

**COURSE CONTENT:**

- Introduction to Excitation Systems and Operation
- Understanding Digital Circuits
- Input and Output Definitions and Programming
- Maintenance and Troubleshooting of Digital Exciter
- Installation and Circuits Layout of Digital Exciter

**PRACTICAL TASKS:**

- Familiarize the participants with the different Elements of electric circuits.
- Perform some tests on the Electrical Simulation in the lab.

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 2 – 6	Jubail	SR7,000
Mar 8 - 12	Dubai	SR8,000
Jul 5 – 9	Sharm El-Shaikh	SR8,000
Nov 8 - 12	Qatar	SR8,000

## DIGITAL EXCITER EX 2000 (E56AE)

**OBJECTIVE:**

This seminar is designed to develop the understanding of Excitation Systems. It will also increase the participant’s experience about operation, control and maintenance of Digital Exciter Ex 2000 and its components.

**WHO SHOULD ATTEND?**

.This course is recommended for experienced supervisors and engineers involved with the operation, control and maintenance of Digital Exciter EX 2000.

**COURSE CONTENT:**

- Introduction
- Automatic Voltage Regulator (AVR)
- Description of typical excitation system
- Trip Circuit Monitor
- Generator Management Relay
- Noise Reduction Techniques
- Maintenance and Troubleshooting of Digital Exciter EX 2000
- Case Study of all Alarms

**Practical Task:**

Familiarize the participants with the different circuit diagram of excitation system  
Perform any test on the electrical simulation alarm.

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 5 – 9	Qatar	SR8,000
Mar 22 - 26	Jubail	SR7,000
Aug 23 – 27	Sharm El-Shaikh	SR8,000
Nov 29 – Dec 3	Dubai	SR8,000