

ELECTRICAL COURSES

ELECTRICAL LOAD FORECASTING (E100AE)

OBJECTIVE:

This course explains basic theoretical analysis of planning, automation, reliability and load forecasting in power distribution systems.

WHO SHOULD ATTEND?

This course is recommended for supervisors and electrical engineers or anyone involved in electrical load forecasting and planning in power system.

COURSE CONTENT:

- Overview of electrical systems
- Distribution system planning and automation
- Load for casting
- Power system reliability
- Technology needs for the electric power industry
- Distribution systems layouts

Duration: 5 Days

Date:	Venue:	Cost:
Jan 26-30	Dubai	SR8,000
Feb 2-6	Jubail	SR7,000
Aug 23-27	Sharm El-Shaikh	SR8,000
Nov 8-12	Qatar	SR8,000

ELECTRICAL MAINTENANCE and TROUBLESHOOTING (E2B)

OBJECTIVE:

This seminar is designed to increase the knowledge and experience on preventive maintenance of power transformers, circuit breakers (air, oil, vacuum, SF₆), AC and DC motors, grounding practices, maintenance testing, and power factor correction.

WHO SHOULD ATTEND?

This seminar is recommended primarily for maintenance technicians and electrical engineers who supervise maintenance of electrical equipment.

COURSE CONTENT:

- Electrical Diagrams, Symbols, Codes and Standards
- Substation and Transformer Maintenance
- Metal Enclosed Switchgear Assemblies
- Circuit Breaker Maintenance
- AC Motor Maintenance
- DC Motor Maintenance
- Power Factor Correction
- Grounding Practices
- Maintenance Testing
- Organizing a Preventive Maintenance Program
- Safety on the Job

PRACTICAL TASKS:

- Megger, winding resistance, and TTR test for transformer
- Transformer oil test (dielectric, ppm, acidity, color tests, and power factor test)
- Megger, gap wear check, and contact resistance for C.B.
- Megger, winding resistance, balanced current, polarity and surge tests for motors.

Duration: 10 Days

Date:	Venue:	Cost:
Jan 5 – 16	Dammam	SR10,000
Jun 7 - 18	Dammam	SR10,000