

ELECTRICAL COURSES

PREVENTIVE MAINTENANCE OF ELECTRICAL EQUIPMENT (E8A)

OBJECTIVE:

This seminar will provide the participants with the practical understanding and knowledge on how to maintain different types of electrical equipment.

WHO SHOULD ATTEND?

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

COURSE CONTENT:

- Testing and Maintenance
- AC Motors
- Transformers and Regulators
- Current Limiting Reactors
- DC Motors
- Commutator, Slip-ring and Brush Maintenance
- Mechanical Maintenance of Electrical Machinery
- Industrial Control
- Overcurrent Protection
- Distribution Systems

PRACTICAL TASKS:

- Megger test for transformer
- TTR test for transformer
- Winding resistance test
- Transformer oil test (dielectric, ppm, acidity, color tests, and power factor test)
- Vacuum circuit breaker contact wear gap check
- Contact resistance test
- Megger test for circuit breaker

Duration: 5 Days

Date:	Venue:	Cost:
Mar 21 – 25	Dammam	SR7,000
Aug 15 – 19	Jubail	SR 8,000
Nov 14 – 8	Dammam	SR7,000

PROTECTION FUNDAMENTALS (E27A)

OBJECTIVE:

This seminar is designed to provide the participants with the complete idea about protection fundamentals in electrical power systems, including protection for Power transformer, Induction motor, Transmission line and cables

WHO SHOULD ATTEND?

This course is recommended for beginner electrical engineers, supervisors, and technicians who need to get more details theoretical and practical about protection fundamentals in electrical power system.

COURSE CONTENT:

- Introduction to protective relays
- Main factors to select protective relays .
- Classification of protective relays .
- Short circuit current calculation .
- Potential Transformer.
- Current Transformer.
- Power transformer protection.
- Induction motor protection.
- Transmission line protection.
- Cable protection .

Duration: 5 Days

Date:	Venue:	Cost:
Feb 7-11	Dammam	SR7,000
May 2-6	Dammam	SR7,000
Nov 21-25	Abha	SR 8,000