

ELECTRICAL COURSES

MOTOR CONTROL CENTER and STARTERS (E13A)

OBJECTIVE:

This course is designed to provide full information about motor starters, limit switches, pneumatic timer, control relays and construction of MCC in hazardous and non-hazardous areas.

WHO SHOULD ATTEND?

This course is recommended for electrical technicians, technicians working on MCC's and engineers with basic experience in this field.

COURSE CONTENT:

- Introduction
- Control Pilot Devices
- Circuit Layout, Connections and Symbols
- Basic Control Circuits
- Direct-Current Controllers
- Motor Drives

Practical Tasks:

- Demonstrate the control equipment located in the electrical control module in electrical lab
- Connecting the wiring diagram of reversing motor and operate in the forward and back direction
- Basic timer operations & its control circuit

Duration: 5 Days

Date:	Venue:	Cost:
Mar 22 – 26	Dammam	SR6,000
Aug 30 – Sep 3	Dammam	SR6,000
Nov 29 – Dec 3	Riyadh	SR7,000

MOTOR TESTING & MAINTENANCE (E3A)

OBJECTIVE:

This seminar provides attendees with a practical understanding of the functions of AC motors, multi speed motors, DC and universal motors; maintenance procedures for AC and DC Motors.

WHO SHOULD ATTEND?

This course is intended for experienced technicians, maintenance supervisors, and engineers with basic experience in this field.

COURSE CONTENT:

- Alternating-Current Motors
- DC Machines and Regulated Drives
- Commutator Care and Maintenance
- Preventive and Predictive Maintenance
- Methods of Motor Troubleshooting and How it is Used.

PRACTICAL TASKS:

- Megger test
- Winding resistance test
- Current balanced
- Polarity test
- Voltage drop test for DC motor
- Bar to bar test
- Check the control circuit for motors using electrical control simulator.

Duration: 5 Days

Date:	Venue:	Cost:
Jan 12-16	Dammam	SR6,000
Jun 14-18	Dammam	SR6,000
Dec 27-31	Riyadh	SR7,000