

# ELECTRICAL COURSES

## LOW VOLTAGE SWITCHGEAR (E89A)

**OBJECTIVE:**

This seminar provides the participants with the fundamental methods of inspection, operation and maintenance of testing of L.V. switchgear.

**WHO SHOULD ATTEND?**

This course is recommended for electrical technicians, supervisors and engineers, who need to get advanced information in L.V. switchgear.

**COURSE CONTENT:**

- Introduction
- Equipment, Breaker and Contact Description
- Basic Operating in Switchgear
- Inspection, Maintenance and Troubleshooting
- Protection and Calibration

**PRACTICAL TASKS:**

- Interactive CD's

**Duration: 5 Days**

| Date:          | Venue: | Cost:   |
|----------------|--------|---------|
| Mar 28 – Apr 1 | Dammam | SR7,000 |
| Jul 18-22      | Dammam | SR7,000 |
| Nov 21 – 25    | Dammam | SR7,000 |

## LV CIRCUIT FAULT HUNTING AND TROUBLESHOOTING (E131A)

**OBJECTIVE:**

This course is designed to enhance skills of the electrician regarding troubleshooting and to make a plan to locating faults and get of root cause of malfunctioning systems.

**WHO SHOULD ATTEND?**

This course is recommended for L.V. electricians.

**COURSE CONTENT:**

- Half Splitting Method for Troubleshooting
- Short Circuit Between 2 Phases Symptoms and Remedy
- Short Circuit Between One Phase and Neutral Symptoms and Remedy
- Open Phase Symptoms and Remedy
- Open Neutral Symptoms and Remedy
- Short Between One Phase and Ground Symptoms and Remedy
- Broken Grounding Wire Symptoms an Remedy
- Overload on One Phase Symptoms and Remedy
- Overload on two Phases Symptoms and Remedy
- Wiring and Equipment Troubles

**Duration: 5 Days**

| Date:     | Venue: | Cost:    |
|-----------|--------|----------|
| Apr 4-8   | Abha   | SR 8,000 |
| Jul 4-8   | Dammam | SR7,000  |
| Oct 17-21 | Dammam | SR7,000  |