

# ELECTRICAL COURSES

## AUTOMATIC VOLTAGE REGULATOR (E84AE)

**OBJECTIVE:**

This seminar is designed to provide information relating to automatic voltage regulators.

**WHO SHOULD ATTEND?**

This course is recommended for engineers and supervisors with basic experience in the field of automatic voltage regulators.

**COURSE CONTENT:**

- Transformer Types and Operation
- Voltage Regulator Tapcon 230
- Parameter Setting
- Tap Changer Operation
- Operating Mechanism
- Tapcon 230 Installation
- Measuring Instruments Current Transformer and Voltage Transformer
- Digital Multifunction Meter

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 14 – 18	Dammam	SR 7,000
Jul 11 –15	Dammam	SR 7,000
Oct 24 – 28	Abha	SR 8,000

## BASIC ELECTRICITY (E24A)

**OBJECTIVE:**

This seminar is designed to provide the participants with basic understanding about electricity.

**WHO SHOULD ATTEND?**

This course is recommended primarily for beginner and maintenance technicians.

**COURSE CONTENT:**

- Principle of Electricity
- What is Electric Circuit?
- Direct Current
- Ohm’s Law
- Series Circuit
- Parallel Circuits
- Power in Series Circuits
- Alternating Current
- AC Voltage and Current Characteristics
- The Motor
- Ammeters and Voltmeters
- Charging a Battery
- Basic Principles of Automatic Control Circuits
- The Three Phase Wye and Delta Connection
- Basic Principles of Transformers
- Instrument Transformer
- Hazards of Electricity
- Protective Equipment
- Operating Power Systems Safely
- Lightning Hazards

**Practical Tasks:**

- Familiarize the attendees with different types of test equipment
- Perform some basic circuits on the electrical module.

**Duration: 5 Days**

Date:	Venue:	Cost:
Apr 11 – 15	Dammam	SR7,000
Aug 1 – 5	Jubail	SR 8,000
Dec 26 - 30	Dammam	SR7,000