

# INSTRUMENTATION & ELECTRONIC COURSES

## BASICS ELECTRONICS CIRCUIT DIAGRAM (IE8A)

**OBJECTIVE:**

This seminar will provide an explanation for the fundamentals of electronic circuit diagrams and PCB drawing with computer.

**WHO SHOULD ATTEND?**

This course is recommended for electronic technicians, foremen, and supervisors.

**COURSE CONTENT:**

- Schematic Symbol Analog and Digital
- Schematic Circuits
- Printed Circuits
- Drawing Schematic with Computers
- Drawing PCB with Computer

**PRACTICAL TASKS:**

- Practical training with PC software.

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 16-20	Dammam	SR6,000
Aug 30-Sep 3	Dammam	SR6,000

## BASIC ELECTRONICS (IE11A)

**OBJECTIVE:**

This program is designed to explain the different types of Diodes, Voltage Amplifying, Regulator and Power Supply design.

**WHO SHOULD ATTEND?**

This program is recommended for electronic technician foremans, supervisor or who are involved in the electronic system maintenance

**COURSE CONTENT:**

- Semiconductor
- PN Junction
- Diode Theory
- Diodes Circuits, Special Purpose Diodes
- Bipolar Junction Transistor
- Theory of Operation, Biasing
- Voltage Amplifiers, Types of Voltage Amplifier
- Operational Amplifier
- Theory and Application of (OPAMP)
- Thristors: Operation, Theory, and Application
- Power Supply Design
- Switching Power Supply
- Phase Control

**PRACTICAL TASKS:**

- Diode tests
- Diode circuits
- Transistor test
- Circuits: Transistor, Amplifier, Regulator & Power supply circuit

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 8-12	Dammam	SR6,000
Oct 25-29	Dammam	SR6,000