

INSTRUMENTATION & ELECTRONIC COURSES

[PNEUMATIC CONTROL VALVES, ACTUATORS AND POSITIONERS \(CONTD.\)](#)

Duration: 10 Days

Date:	Venue:	Cost:
Mar 7-18	Dammam	SR 12,000
Jun 20-Jul 1	Riyadh	SR 13,000
Dec 12-23	Dammam	SR 12,000

POWER ELECTRONIC APPLICATION (IE01AE)

OBJECTIVE:

This state-of-the-art course will focus on the industrial application of power electronic technologies, and in particular the core areas of power devices, circuits, controls, and interactions with load and supply.

WHO SHOULD ATTEND?

This course is intended for Engineers & highly qualified technicians with some experience in power electronics. Electrical engineers and practicing engineers desiring to enhance their knowledge in this important field should plan to attend.

COURSE CONTENT:

- Power Electronics: Fundamentals
- AC/DC Rectifiers; DC/AC Inverters
- Soft Switching Converters
- Pulse Width Modulation
- Current Regulation Strategies
- Basics of Power Converter Control
- Inverter Control Design
- Complex Vector Modeling
- Power Converter Simulation
- Application of Power Semiconductors
- Practical Design Considerations

Duration: 5 Days

Date:	Venue:	Cost:
Jan 17-21	Dammam	SR 7,000
Jul 25-29	Abha	SR 8,000
Nov 14-18	Dammam	SR 7,000