

INSTRUMENTATION & ELECTRONIC COURSES

DIGITAL LOGIC CIRCUITS AND APPLICATION (IE29A)

OBJECTIVE:

To improve the understanding of digital circuit phenomena and applications in automation systems.

WHO SHOULD ATTEND?

This course is aimed at anyone involved with digital logic circuits and application in automation systems for engineers and highly qualified technicians.

COURSE CONTENT:

- Introduction
- Circuit Analysis and Design
- Flip Flops and Shift Registers
- Flip Flop Applications
- Timers and Counters
- Clocks
- D/A and A/D Conversion
- Digital to Analog Conversion Different Methods
- Digital Circuit Applications in Automation
- Sequential Control and Programming

Duration: 5 Days

Date:	Venue:	Cost:
Jan 31-Feb 4	Dammam	SR 7,000
May 23-27	Jubail	SR 8,000
Oct 31-Nov 4	Dammam	SR 7,000

DISTRIBUTED CONTROL SYSTEM (DCS) (IE13AE)

OBJECTIVE:

To improve the understanding of what DCS is and its application in automation systems.

WHO SHOULD ATTEND?

This course is recommended for instrumentation engineers and experienced technicians in the instrumentation field.

COURSE CONTENT:

- What is DCS
- DCS fundamentals
- DCS architecture and hardware system
- Field/DCS wiring diagram
- Digital input/digital output modules
- Interface module
- Graphic displays
- Control loop tuning display
- DCS wiring diagrams and troubleshooting

Duration: 5 Days

Date:	Venue:	Cost:
Feb 28-Mar 3	Dammam	SR 7,000
Jun 27-Jul 1	Abha	SR 8,000
Sept 26-30	Dammam	SR 7,000