

INSTRUMENTATION & ELECTRONIC COURSES

ELEMENTARY and ADVANCED HMI/MMI/SCADA (IE23BE)

OBJECTIVE:

This course provides attendees with an understanding of SCADA, how to use SCADA software and how SCADA provides interoperability with other products, such as Microsoft products, and third party offerings.

WHO SHOULD ATTEND?

This course is intended for plant engineers, control specialists, and other individuals who need to understand the fundamental concepts of creating highly functional HMI applications for local or distributed processes.

COURSE CONTENT:

- Introducing (HMI/MMI/SCADA)
- Installing and Starting (HMI/MMI/SCADA)
- The On-Line Help System
- Tag Database
- Attaching Control to Graphic Objects
- Symbols and Macros
- Alarm System
- Key Definition Control
- Tag Placeholders
- (HMI/MMI/SCADA) Tools/Misc.

Duration: 10 Days

Date:	Venue:	Cost:
Jan 3-14	Dammam	SR 12,000
Apr 4-15	Dammam	SR 12,000
Aug 8-19	Dammam	SR 12,000

ELECTRONIC CONTROL CONCEPT (IE32A)

OBJECTIVE:

This course is designed to provide knowledge in instrumentation and control concepts of different types of electronic circuits which are used in control systems.

WHO SHOULD ATTEND?

This course is intended for instrumentation, control engineers and electronic staff.

COURSE CONTENT:

- I/P Transducer
- Electronic Transmitter
- Electronic Controller
- Proportional Control Concept
- Simplified Reverse Acting Electronic
- A Simplified Reverse Action Electronic PI Controller
- Open Loop PI Pressure Controller-Control Signal Response
- Derivative Control Function Amplifier
- Simplified Reverse Acting Electronic PD Controller
- Simplified PID Electronic Controller

PRACTICAL TASK:

- Design of Level Control System
- Design of PID Controller
- Measure of Current in Different Point in Control System

Duration: 5 Days

Date:	Venue:	Cost:
Mar 28-Apr 1	Dammam	SR 7,000
July 4-8	Abha	SR 8,000
Dec 12-16	Dammam	SR 7,000