

INSTRUMENTATION & ELECTRONIC COURSES

INSTRUMENTATION CONTROL LEVEL - 1 (IE24A)

OBJECTIVE:

To improve the understanding of instrumentation and control basics and main items which are essential for oil industry non instrument personnel.

WHO SHOULD ATTEND?

Non instrument personnel are recommended for this course.

COURSE CONTENT:

- Basic of Process Control
- Measurement Fundamentals
- Control Valves
- Distributed Control System DCS
- DCS Architecture and Hardware System Overview
- DCS Software Fundamentals
- Programmable Logic Controller (PLC)
- PLC Modules CPU, I/O Modules, Interface Modules
- Maintenance Practices
- Troubleshooting

Duration: 5 Days

Date:	Venue:	Cost:
Apr 26 – 30	Dammam	SR6,000
Dec 20 – 24	Dammam	SR6,000

INSTRUMENTATION TECHNIQUES (IE31A)

OBJECTIVE:

This course describes the instrumentation techniques and equipment used to measure, indicate and manipulate the basic process parameters (Level, Flow Pressure, Temperature) in a typical industrial control environment.

WHO SHOULD ATTEND?

This course is recommended for control engineers, operation staff, and Instrumentation Technicians.

COURSE CONTENT:

- Measurement and Unit
- Introduction to Instrumentation Equipment
- ISA Symbols
- Pressure Instrumentation
- Level Instrumentation
- Temperature Instrumentation
- Control Valves and Accessories

PRACTICAL TASK:

- Verification for Different Sensor
- Setting Adjustment for Different Switches
- Calibration for Different Transmitters

Duration: 5 Days

Date:	Venue:	Cost:
Feb 2 – 6	Dammam	SR6,000
Jun 7 – 11	Dammam	SR6,000