

INSTRUMENTATION & ELECTRONIC COURSES

SIMULATION OF CONTROL CIRCUITS (IE3A)

OBJECTIVE:

This course is designed to provide knowledge of different types of control circuit simulation.

WHO SHOULD ATTEND?

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

COURSE CONTENT:

- Introduction to circuit simulation.
- Control circuits design.
- Control and Process Design Consideration
- Control loops and control strategy.
- Simulation Modeling, Analysis and Problem Formulation.
- Sparse Matrices and some of their implications.
- Input Data Collection and Analysis.
- Simulation of non-linear circuits
- Timing Simulation
- Using of Simulink software

Duration: 5 Days

Date:	Venue:	Cost:
Jan 31-Feb 4	Dammam	SR 7,000
Jun 27-Jul 1	Abha	SR 8,000
Dec 19-23	Dammam	SR 7,000

SMART TRANSMITTERS (IE41A)

OBJECTIVE:

Upon completion of this course the participant should be able to identify smart transmitters, specifications, components, communication, maintain diagnose, troubleshoot and calibration smart transmitters.

WHO SHOULD ATTEND?

Engineers and senior instrumentation technician

COURSE CONTENT:

- Introduction
- Smart Meaning
- Smart and Conventional Differences
- Smart Transmitters Specification
- Smart Transmitters Components
- Smart Transmitters Features
- Communication Basics
- Communication of Smart Systems
- Hart Communicator
- Smart Transmitters in the Fieldbus Technology
- Maintenance, Diagnosis and Troubleshooting
- Calibration Steps of Smart Transmitters

Duration: 5 Days

Date:	Venue:	Cost:
Jan 24-28	Dammam	SR 7,000
Jul 4-8	Jubail	SR 8,000
Nov 14-18	Dammam	SR 7,000