

# INSTRUMENTATION & ELECTRONIC COURSES

## SIMATIC S5 – 95 F CONTROL SYSTEM (IE16A )

**OBJECTIVE:**

This course will enable participants to recognize detail information about Simatic S5-95F fail safe system or those requiring knowledge about the necessary protection for the turbine in power plants.

**WHO SHOULD ATTEND?**

This course is aimed for plant engineers , senior engineer, and technicians who are involved in the field of Simatic S5-95F Control System.

**COURSE CONTENT:**

- Simatic S5-95F, Control System
- System Software
- System Configuration
- Digital input/output modules
- Analog Input/Output Modules
- Hardware Connections
- System Diagnostic and Troubleshooting
- System Documentation

**Duration: 5 Days**

Date:	Venue:	Cost:
Mar 22-26	Dammam	SR6,000
Nov 8-12	Dammam	SR,6,000

## SIMULATION OF CONTROL CIRCUITS (IE3A )

**OBJECTIVE:**

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

**WHO SHOULD ATTEND?**

This course is intended for Engineers & highly qualified technicians with little experience in Control system. 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 12-16	Dammam	SR6,000
Jul 26-30	Dammam	SR,6,000