

# INSTRUMENTATION & ELECTRONIC COURSES

## ADVANCED SPEEDTRONIC MARK V CONTROL (IE42A)

**OBJECTIVE:**

This course provides attendees with practical understanding and detailed information about Advanced Speedtronic Mark V Control.

**WHO SHOULD ATTEND?**

This course is recommended for anyone involved with the operation and maintenance Speedtronic Mark V Control.

**COURSE CONTENT:**

- Overview for Gas Turbin and Control Systems
- Control System Hardware
- Mark V Software
- Signal Flow Diagram
- Protection for Turbine, Generator and Excitation Systems
- Troubleshooting of Mark V Control System

**Duration: 5 Days**

Date:	Venue:	Cost:
<b>Jan 3-7</b>	<b>Jubail</b>	<b>SR 8,000</b>
<b>Apr 4-8</b>	<b>Dammam</b>	<b>SR 7,000</b>
<b>Oct 3-7</b>	<b>Dammam</b>	<b>SR 7,000</b>

## ADVANCED SPEEDTRONIC MARK VI CONTROL (IE43A)

**OBJECTIVE:**

This course is designed to provide knowledge on Advanced Speedtronic Mark VI Control

**WHO SHOULD ATTEND?**

This course is intended for those who are involved with the operation and maintenance of Speedtronic Mark VI.

**COURSE CONTENT:**

- Overview for the Gas Turbine and Control System
- Principles of Gas Turbine and Auxilliaries
- Speedtronic TMR Mark VI Control System: Overview-Intruduction-System Guide Lines
- Controller Triple Modular Redundancy R-S-T.
- Description of Mark VI Controller Processor
- Cimplicity Screens and Graphic Windows
- Servo Calibration and Feed back LVDT
- Tool Box and M6B File
- Troubleshooting I/O Faults
- Replacing I/O Cards and TB's
- Replacing the Controller Card (UCVX)
- Troubleshooting and Diagnostics
- Protection for Turbine, Generator and Excitation

**Duration: 5 Days**

Date:	Venue:	Cost:
<b>Jan 10-14</b>	<b>Dammam</b>	<b>SR 7,000</b>
<b>May 2-6</b>	<b>Riyadh</b>	<b>SR 8,000</b>
<b>Nov 21-25</b>	<b>Dammam</b>	<b>SR 7,000</b>