

INSTRUMENTATION & ELECTRONIC COURSES

PLC ELEMENTARY and ADVANCED (IE28AE)

OBJECTIVE:

To improve the understanding of PLC,s and its application in automation systems.

WHO SHOULD ATTEND?

This course is targeted for instrumentation engineers and high qualified technicians in instrumentation field.

COURSE CONTENT:

- Terminology – PC or PLC
- Programming of PLC Systems
- Arithmetic Instructions: BCD Numbering; Additional and Substraction Instructions
- Advanced Features of Programming Controllers
- Digital Input/Output Modules; Special Function Modules
- Remote Input/Output and Communications; I/O Diagnostics
- PLC Communications and Automation
- Choosing, Installation and Commissioning of PLC Systems.
- PLC System Installation
- PLC as an Equipment Monitor

Duration: 5 Days

Date:	Venue:	Cost:
Mar 21-25	Dammam	SR 7,000
Jun 20-24	Abha	SR 8,000
Sept 26-30	Dammam	SR 7,000

PLC PROJECT DEVELOPMENT MAINTENANCE & TROUBLESHOOTING (IE40BE)

OBJECTIVE:

This course will assist participants with fundamental knowledge of programming, maintenance and troubleshooting.

WHO SHOULD ATTEND?

Programmers who have little or no practical experience with controllers and who are responsible for programming or modifying PLC controllers, maintenance and troubleshooting.

COURSE CONTENT:

- Identifying PLC Software Components
- Transferring a Project File to a Logics 5000 Controller
- Configuring Local PLC-I/O Modules
- Intergrated Practice Creating and Verifying an PLC Project
- Identifying Programming Strategies and Techniques
- Programming Program Control Instruction
- Connecting a Computer to Communications Network
- Monitoring Arrays and Tags of User-Defined Data Types
- Applying Preventive Maintenance and Troubleshooting Strategies
- Integrated Practice Troubleshooting Basic Projects.
- Communicating with a PLC Controller
- Communicating with a Remote PLC-I/O Module
- Integrated Practice Developing a PLC Project

Duration: 10 Days

Date:	Venue:	Cost:
Jan 17-28	Dammam	SR 14,000
Apr 19-30	Oman	SR 16,000
Oct 10-21	Dammam	SR 14,000