

INSTRUMENTATION & ELECTRONIC COURSES

MICROPROCESSOR CONCEPT AND APPLICATION (IE12AE)

OBJECTIVE:

This course is designed to increase the knowledge and experience in Microprocessor Application.

WHO SHOULD ATTEND?

This course is recommended for Engineers, Technicians, Foreman, Supervisors involved in Electronics Circuits and Microprocessors Application.

COURSE CONTENT:

- Number Systems & Logic Circuits
- Introduction to UP Systems
- Forming the Buses
- Typical CPU Circuits
- Semiconductor Memories
- Parallel Data Parts
- Assembly Language
- Program Example
- PIA Prepheral Interface Adaptor Construction
- Application

Duration: 5 Days

Date:	Venue:	Cost:
Jan 12-16	Qatar	SR8,000
May 29-Jun 2	Jubail	SR7,000
Jun 14-18	Sharm El-Shaikh	SR8,000

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:
Feb 23 – 26	Qatar	SR8,000
May 10 – 14	Jubail	SR7,000
Jul 26 - 30	Sharm El-Shaikh	SR8,000