

# INSTRUMENTATION & ELECTRONIC COURSES

## TELEPERM XP CONTROL SYSTEM ( IE17AE )

**OBJECTIVE:**

This course is designed to provide knowledge in the basic of Siemens Teleperm XP Control System and how it control in the power plants.

**WHO SHOULD ATTEND?**

This course is recommended for electronics engineers and technicians who are involve of in Teleperm XP control system with basic experience in this field.

**COURSE CONTENT:**

- Automation System as 620
- Process Control and Management System OM 650
- Engineering system ES 680
- Diagnostics System DS 670
- Bus System SIMATIC -NET
- System Troubleshooting
- System Documentation

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 2-6	Qatar	SR8,000
Apr 19-23	Jubail	SR,7,000
Jul 5-9	Sharm El-Shaikh	SR8,000

## UNINTERRUPTIBLE POWER SUPPLY (IE7A)

**OBJECTIVE:**

This is an introductory level seminar. It provides a basic understanding of the installation, operation, commissioning, care, and maintenance of UPS.

**WHO SHOULD ATTEND?**

This course is recommended for electrical technicians and engineers with basic experience in this field.

**COURSE CONTENT:**

- Fundamental Components of Power Inverters, Converters and UPS Systems
- Power Conditioning
- Basic UPS Application
- Principles of Battery Operation
- Power Inverters and Wave Shaping
- Voltage Regulation
- Static Switching and Auxiliary Circuits
- UPS System Troubleshooting and Maint.

**PRACTICAL TASK PLAN**

- Demonstrate battery components
- Run interactive CD about batteries

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 9 – 13	Dammam	SR6,000
Aug 23 – 27	Dammam	SR6,000