

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 works in the power plants.

WHO SHOULD ATTEND?

This course is recommended for electronics engineers and technicians who are involved 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 28-Mar 4 | Dammam | SR 8,000 |
| Aug 15-19 | Riyadh | SR 9,000 |
| Dec 26-30 | Dammam | SR 8,000 |

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: |
|-------------------|---------------|-----------------|
| Mar 7-11 | Dammam | SR 7,000 |
| Jun 6-10 | Jubail | SR 8,000 |
| Sept 26-30 | Dammam | SR 7,000 |