

ELECTRICAL COURSES

DIGITAL PROTECTION RELAYS (E113A)

OBJECTIVE:

This course is to familiarize the participants with digital protective relays.

WHO SHOULD ATTEND?

This course is recommended to engineers and relay technicians

COURSE CONTENT:

- Introduction
- Relay Construction
- Digital Relay Board
- Digital Relay Channels
- Relay Test Cable

Duration: 5 Days

Date:	Venue:	Cost:
Jan 31-Feb 4	Dammam	SR 7,000
May 30-Jun 3	Jubail	SR 8,000
Nov 28-Dec 2	Dammam	SR 8,000

DIGITAL TECHNIQUES IN POWER LINE (E57AE)

OBJECTIVE:

This course explains theoretical analysis as well as practical digital techniques in hardware, software and application in power line carrier.

WHO SHOULD ATTEND?

This course is designed for electrical engineers and experienced technicians who are involved with advanced protective relays using power line carrier such as protection of EHV transmission lines, generator transformer, motors and electrical distribution systems.

COURSE CONTENT:

- General introduction
- Digital techniques
- Signal condition subsystem
- Data communication schemes used in control and protection levels
- Digital processing relay subsystem
- Unit protection of transmission lines
- Carrier unit protection scheme
- Practical carrier system contraphase p/o

Duration: 5 Days

Date:	Venue:	Cost:
Feb 14-18	Dammam	SR 8,000
Jun 6-10	Dammam	SR 7,000
Oct 17-21	Dammam	SR7,000
Dec 13-17	Cairo	SR 9,000