

**Course Overview:**

This course offers a comprehensive understanding of relay protection and its application, specifying the relay protection objectives, explaining different protection systems and offering protection solutions for different elements of the power system. The course concludes with the latest technology in protection and numerical microprocessor relays.

**Course Objective:**

- How to complete test training on numerical relays
- Know about the digital and numerical relays technology
- How to find the cause of relay operation and verify if it is correct, falls or mal operation
- Describe principles of microprocessor and interfacing
- Show the application of microprocessor to substation
- Explain the Basic element of digital protection
- Using the digital protection techniques and Application

**Course Outline:**

1. PROTECTIVE RELAYS TECHNOLOGY
1. NEW TREND IN PROTECTIVE EQUIPMENT
1. PRINCIPLES OF MICROPROCESSOR AND INTERFACING
1. BASIC ELEMENT OF DIGITAL PROTECTION
1. DIGITAL PROTECTION TECHNIQUES AND APPLICATION

**Who Should Attend:**

This course is intended for Electrical Engineers & Supervisors and technicians, who work in operation, Maintenance, protection, control and analysis of Utilities & Industries Electrical Networks

**Training Language:**

EN / AR

**Training Methodology:**

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation