

**Course Overview:**

The continuity of Electrical Protection and testing System is very important to the consumers specially, for industrial sector where the curtail of electrical power supply is costly.

**Course Objective:**

- Knowing the fault reasons in electrical networks and Its effect on the electrical quantities.
- Reviewing the Grounding System of generation, Transmission and Distribution Networks and how it affects the electrical quantities, short circuit level and protection system.
- Understanding main concepts of protection and testing equipment and its necessity in electrical System

**Course Outline:**

- INTRODUCTION TO ELECTRICAL PROTECTION SYSTEM
- POWER SYSTEM RELAYING
- MEASURING TRANSFORMERS (VTS & CTS)
- PROTECTIVE RELAYS
- Under Frequency Protection (U/F.P.)
- Over Voltage protection (O/V.P.)
- Protection and Testing

**Who Should Attend:**

This course is intended for Electrical Engineers ,Technicans (basic and medum level), operators ,who work in operation, maintenance, protection, control and analysis of Utilities & Industries and 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