

Course Overview:

This course is devoted to developing qualifications of Fault Diagnosis in Power System and to be capable to properly detecting, analysis and removing fault in power engraftation plants and transmission stations.

Course Objective:

- Understanding components of Fault Diagnosis in Power System and discussion of all elements.
- Identification of the most important faults which common happening in electrical network.
- Studying and analysis and detecting fault causes and how to deal with it

Course Outline:

- Introduction
- Electrical Network
- Power System
- Calculation Preliminaries
- Three-Phase Short Circuit Current
- Power Generation Plants And Fault Analysis
- Substation
- Substation Main Faults
- Overhead Lines & Underground Cables
- Faults Prediction
- Fault Diagnosis
- Improving Electrical Network Efficiency & Performance
- Computer Calculation Of Fault Currents

Who Should Attend:

This course is intended for , Engineers, Technicians, electric technicians from transmission lines department. Preferably, those technicians who have knowledge in overhead transmission & ground lines.

Training Language:

EN / AR

Training Methodology:

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