

Course Overview:

Power Stability is becoming an increasing source of concern in secure operation of present-day powersystems.

Course Objective:

This course will provide a comprehensive idea of Power stability problems and methods of effectively addressing them in the planning and operation of electric power systems. This includes the basic concepts, physical aspects of the phenomenon, methods of analysis

Course Outline:

- Classification of power system stability
- Synchronous machines
- Excitation system
- Power system loads
- Control of Reactive Power and Power
- Principles of reactive compensation in transmission systems
- Static and dynamic compensators
- Typical Scenarios of Power Instability
- Prevention of Power Instability

Who Should Attend:

Electrical technicians and any worker from the projects and distribution departments

Training Language:

EN / AR

Training Methodology:

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