

Course Overview:

Blackouts Occurred everywhere in the world, in the developed countries as well as in the under developing countries. They were reported to be happened in the USA, Europe, Japan, Africa, Russia, and Asia countries. Interconnection of power systems were started in 1960 in the USA and extended to Europe and most countries having scattered networks.

Course Objective:

Causes of blackouts and examples of their occurrence will be detailed in this course. Methods of system restoration after blackouts will be highlighted.

Course Outline:

- Interconnected Power Systems
- Why Power Systems Are Interconnected?
- Aspects Of Blackouts In Power Systems
- List Of Some Famous Blackouts
- Blackouts Occurrence Mechanisms
- Blackouts Triggering Conditions
- Causes Of Blackouts
- Scenarios Of Some Blackouts Incidents
- Operating States Strategies Of A Power System And Control
- Power System Restoration
- Typical Power Systems Blackouts

Who Should Attend:

Electrical engineers working in power system generating plants, in load centers of factories, in distribution transformers substations, in transmission networks, in steel factories, in power control centers.

Training Language:

EN / AR

Training Methodology:

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