Course Overview:

This course introduces electric load forecasting from both statistical and practical aspects using the language and examples in the power industry. Through hands-on exercises, participants gain experience of load forecasting for a variety of horizons (short, very short, medium and long term forecasts).

Course Objective:

- Review of electric power distribution load characteristic (how it is done)
- Understand practical characteristic and planning methods
- Understand basic theory and mathematics of modern distribution load characteristic.
- Estimate Power Quality State.
- Specify the accuracy and information content requirements.

Course Outline:

- Power Factor Correction.
- Investigation Into-Load Characteristics.
- Electric Load Monitoring.
- Power Quality
- Electrical Energy And Power Parameters
- Load Duration Curve Analysis
- Load Profiles.
- Data analysis
- Load Types

Who Should Attend:

All engineers and technicians involved in the power sectors and power station operation, planning, and maintenance, and also in the factories, and enterprises, especially in power station electrical systems

Training Language:

EN / AR

Training Methodology:

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