



Battery & DC Systems

Date	Venues	(\$Fees	Book your seat
14 Apr -18 Apr 2024	Bahrain	2900	Register Now

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

Who Should Attend?

Engineers, managers, planners and analysts who work for power supply companies and who have to make investment decisions requiring a better understanding of how the power system impacts the economics of generation.

Course Outline:

1. Basic statistical concepts
2. Regression analysis
3. Time series and linear regression
4. Load forecasting using minitab
5. Load forecasting using time series
6. Load forecasting using neural network
7. Mechanical efficiency of a gas turbine, steam turbine, and diesel engines
8. Cost of KWh unit per the various mechanical prime moovers

Training Methodology:

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

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