

**Course Overview:**

This course introduces electric load forecasting 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 characteristic and planning methods
- Understand basic theory and mathematics of modern distribution load characteristic.
- Specify the accuracy and information content requirements.

**Course Outline:**

- Load and energy Forecasting
- Load Characteristics
- Fundamental of Electrical Loads
- Load Forecasting
- Power system planning
- Types of loads
- Load forecasting methodology
- ERCOT Long-Term Demand and Energy Forecasting
- Power system load management
- Load Management Techniques
- Optimal Load Scheduling Strategy
- Time Of Use Tariff For Load Management

**Who Should Attend:**

For all advanced and long experience engineers 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