



Electric Generators Operation, Performance Analysis, & Testing

Date	Venues	(\$Fees	Book your seat
24 Mar -28 Mar 2024	Bahrain	2900	Register Now

Course Overview:

- Excitation systems play a major role in determining the performance of synchronous generators; namely voltage regulation, reactive power control, and electromechanical and voltage stability. These requirements vary according to the mode of operation such as isolated generators, parallel operation of local generators and interconnected systems. The effect and requirements of the excitation system has to be well understood to specify and design the suitable system.

Course Objective:

The course is intended to provide electric engineers with collective and recent knowledge about generators exciters including: ordering specifications, operation, analysis, maintenance, testing and protection. The information includes both theoretical and practical aspects and will be enhanced with computer software in appropriate sections.

Who Should Attend?

- Electric utility engineers in various departments deal with interconnected generators testing, protection, operation, stability and control. The course is also suitable for all engineers deal with emergency generators and local generation.


Course Outline:


- Introduction
- General Background And Recent Advances
- Specification, Design And Operation
- Performance And Control
- Maintenance And Testing
- Protection

Training Methodology:

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

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