



## HIGH VOLTAGE TESTING (FOR TRANSMISSION

Date	Venues	(\$Fees	Book your seat
24 Mar -28 Mar 2024	Dubai	2900	<a href="#">Register Now</a>

### Course Overview:

As utilities reassess equipment to upgrade existing infrastructures or build new ones, Power Engineering is undergoing significant change. There is a need to train engineers and technicians in the fundamentals of High Voltage (HV) technology, equipment and test techniques. This course covers HV test and measuring systems, as well as analysis techniques applied to power system apparatus such as cables, insulators, transformers and generators.

### Course Objective:

By the end of this course the participant will be able to:

Gain some knowledge regarding the techniques of measurement of testing high voltages which are normally used for the evaluation and testing of transmission system equipment.

Learn about the philosophy of testing, types of testing and standards associated with testing of various power equipment used by electrical power industry.

Acquire the relevant information on the procedures used for evaluation of some high voltage apparatus.

### Who Should Attend?

Utility and power apparatus manufacturers

Engineers who are involved with HV equipment and technology

Engineers who work in HV testing

### Course Outline:

Introduction to testing voltages, their types, generation and measurement.

Philosophy of HV testing, its classifications, types and standards used in HV testing.

HV Test, Measurement Methods & Analysis

Dielectric Breakdown

HV Insulators

Power System Over Voltages

Review of Transmission Elements

Protection Relaying

Transmission Department Staffing

Dielectric Loss Measurements

Corona Testing

Partial Discharge

**Training Methodology:**

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



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