
COURSE DESCRIPTION**INTCV175****Capacitor Banks****The goal**

The goal of the course is to improve the ability of Personnel from Power Utilities, Power Generation, transmission companies & industries and Consultants responsible for engineering, commissioning, operation and Maintenance of substations to use Capacitor Banks in better way.

Learning objectives

Upon completion of this course, participants will be able to:

- Appreciate the design principles and critical elements.
- Understand the critical elements of operation & maintenance of capacitor banks.
- Understand the do's and don'ts for circuit breakers.

Participant profile

The Personnel from power utilities, power generation, transmission companies and industries and consultants responsible for engineering, commissioning, operation and maintenance of substations

Prerequisites

- Degree or diploma in engineering, basic knowledge of power system.
- Basic knowledge of power system.

Topics

- Need of capacitor banks
- Power capacitor technologies & characteristics.
 - Externally fused,
 - Internally fused &
 - Fuseless power capacitors
- Capacitor bank design & operation.
- Operation – Do's & don'ts.

- Capacitor bank maintenance & troubleshooting.
- Different types of capacitor measuring devices and their impacts on the results,
- Capacitance measuring techniques
- Diagnostic and protection
- Safety
- Capacitor bank protection.

Course type

This is an instructor led seminar with practical exercises and demonstrations at a demo room and experience centre switchyard. The language of the course is English.

Laptop or tablet is required to have access to the e-documentation. Please bring your own device.

Duration

The duration of the course is two days.

Safety

Participants must wear safety toe shoes or boots while entering the labs.

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The latest version of the course portfolio, and course schedule can be found on our

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