
COURSE DESCRIPTION**INTCV213****Substation Engineering****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 know the various aspects of substation engineering.

Learning objectives

The participants will to:

- Understand various substation basics, switching configurations
- Understand different types of busbar configurations, layout engineering
- Calculations of substation design
- Understand the various substation equipments & accessories

Participant profile

Electrical Engineers, Design, EPC, testing and commissioning personnel, consultants and engineers from generation companies, industries having IPPS and CPPs, utilities, industries and process plants, Academia, Students of Electrical /Power System.

Prerequisites

Engineering degree, technical college qualifications or equivalent. Basic knowledge of Power System or relevant experience will be useful.

Topics

- Switchyard Basics, various Switching configurations.
- Basics of protection philosophy for different bus configurations
- Layout engineering (Basic considerations)
- Overview of substation design calculations
- Statutory obligations and safety aspects in substation
- Equipments and accessories

Course type

This is a face to face class room training.
Instruction language is English.

Learning methods and tools

Lectures, demonstrations, practical exercises.
Laptop or tablet is required to have access to the e-documentation. Please bring your own device

Duration

1 day

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