

COURSE DESCRIPTION

INTCV570

Microgrids & Renewable energy Integration in Grid



The goal

The goal of the course is to improve the ability of Personnel from Power Utilities to understand the concept of Microgrids, Energy Storage and Renewable Integration.

Learning objectives

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

- Understand the nature of Renewable Generation Sources and apply Microgrid concepts
- Understand the various types of controller functions
- Appreciate RE Specific Grid Code Compliance Requirements and the need to grid stabilization and energy storage w.r.t renewable integration.

Participant profile

The Personnel from power utilities, power generation, transmission companies and industries and consultants responsible for renewables.

Prerequisites

Degree or diploma in engineering, basic knowledge of power system and renewable concepts.

Topics

- Different types of renewable generation and their behavior pattern
- Microgrid concepts
- Various types of controllers and its functions in Microgrids
- Powerstore
- Grid Stabilization
- EV charging as Microgrid component
- MGS100 Microgrid solution
- Voltage Ride Through (LVRT & HVRT), Flicker, Sudden V Change, Protection Coordination
- Regulations and grid codes related to renewable energy

Course type

This is an instructor led seminar with guided tour of the factory. 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.

To Register:

LMS:-[MyLearning](#)

Sign In: check [IE browser setting](#) Click SIGN IN to Sign-up or Log-in with your ABB account.

Search: please enter course number INTCV570 into the search field. (Please check the language filter EN)

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

ABB PowerTEC Webpage :

<http://new.abb.com/service/abb-university/india>

or

scan the below QR Code :

