



MODULE 8

SVC MODELING AND SIMULATION IN PSCAD

Training Objectives:

The course is entitled to gain knowledge on understanding FACTS (Flexible AC Transmission) and about the benefits of the Transmission system enhancement using FACTS Technology. The course will also provide insight into the basic design of SVC (Static VAR Compensator), Industry-standard studies and its impact on the Utility grid, and milestones of project execution.

Who Will Benefit?

- Employees of Central and State utilities
- Professionals working in the modeling, analysis, and system studies domain of the power & energy industry
- Graduate/Post-graduate students in Electrical/Electrical and Electronics Engineering willing to join the power system industry

Course Content:

- Brief view of Understanding FACTS (Flexible AC Transmission) & Benefits
- Types of compensations & Configurations
- Simplified SLDs & Equipment Layout
- SVC Characteristics & Control philosophy of SVC (Static VAR Compensator)
- Design Considerations & Industrial Standard Studies
- General Industrial Procedure of Project stages/Milestones

Pre-Requisite:	Basics of Power Systems
Software:	PSCAD/EMTDC Simulations for SVC Model
Delivery Mode:	In-person-Physical classroom setting
Certification:	Yes
Course Duration:	12 Hrs
Course Fee:	INR 20,000 (For professionals) INR 10,000 (for students)



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