2-Day Training Course

A basic training program on EMTP-RV 3.0

Course objective:
The objective of this course is to give to beginner participants a good first hands-on experience on EMTP-RV and an overview of the EMTP-RV capabilities. The course is based on the usage of EMTP-RV for demonstrating concepts and teaching through practical problem cases.

Course structure:
The duration of the course is 2 days.

Each participant will have to bring a personal computer. EMTP-RV temporary licenses will be provided for the duration of the course. The course starts at 9 hr and ends at 17 hr every day.

Lunch breaks are from noon to 1:00 p.m.

Course topics:

Day 1 (9.00AM – 5.00 PM):

Presentation of EMTP-RV
- General introduction
- Typical field of applications

Introduction to the Graphical User Interface EMTPWorks
- Presentation of the User Interface
- How to create a simple circuit?
- General signals, 3-phase signal and bus
- How to run a simulation?
- Introduction to MPLOT
- Introduction to Scopeview
- Sub-circuit creation and hierarchical designs
- Multi-page designs
- Practical exercises
- Simulation options
- Basic models
- Practical exercises
Day -2 (9.00 AM – 5.00 PM):

Load-Flow solution

- Model
- Practical Examples

Time domain analysis

- Basic of Transients
- Initialisation of Time – domain Variables
- Line and Cable modelling for different studies
- Capacitor Bank Switching transients
- Modelling of Synchronous Generator, AVR, Speed Governor and PSS
- Transient stability analysis
- Motor Starting Analysis
- Practical examples

Frequency scan

- Practical examples

Contact for course information:

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