

Objectives and Course Content of Short Term Courses

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| O. Plan No. | ICT-36 |
| Name of Course | Real Time Simulation of HVDC and FACTS Devices (Through ICT) |
| Objectives | <p>This training programme is specially designed for Engineering College Teachers and it mainly deals with various aspects of FACTS technology and HVDC. The course aims to achieve the following objectives:</p> <ul style="list-style-type: none">- To update the knowledge in the emerging and upcoming topics in the subject area.- To make the teachers conversant with relevant practices in FACTS technology and concepts of HVDC.- To make the participants acquainted with MATLAB/SIMULINK, for simulating power systems. |
| Course Contents | <p>The programme will be designed around the following major topics:</p> <ul style="list-style-type: none">- Power System Stability and FACTS Devices- Concept of HVDC- Real Time Simulation Concepts- Real Time Simulation of FACTS Devices- Detailed and Phasor models of FACTS Devices using SIMULINK. |
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