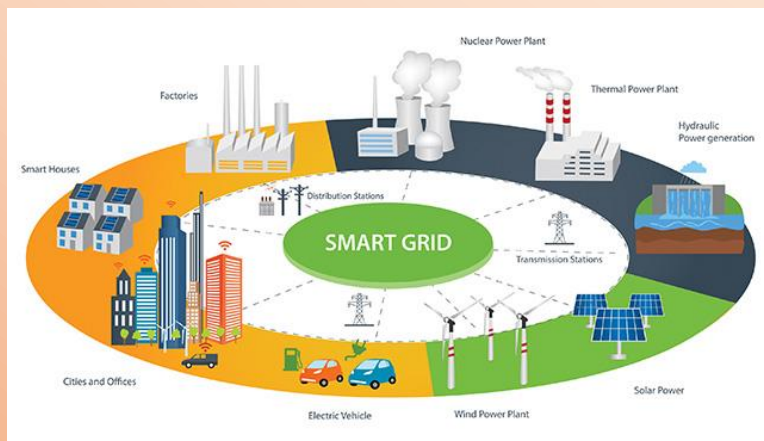




**One week Short Term Training Program
on**

**“Recent Trends in Smart Grids and its
Real Time Simulation
(in collaboration with Opal-RT
Technologies)”
(December 9 to 13, 2019)**



STTP Coordinator (s)

Dr. Ritula Thakur
Associate Professor,
Department of Electrical Engg
NITTTR Chandigarh
160019
ritula@nitttrchd.ac.in

Dr. Prashant Agnihotri
Assistant Professor,
Department of Electrical Engg
IIT, Bhilai
492015
pagnihotri@iitbhilai.ac.in

About the program

Electrical power system simulation involves power system modeling and network simulation in order to analyze electrical power systems using design/offline or real-time data. Power system simulation software's are a class of computer simulation programs that focus on the operation of electrical power systems. Therefore, the department has planned to conduct short term course on **Recent Trends in Smart Grids and its Real Time Simulation** at IIT Bhilai. It is a skill development and training program in which experts will teach the designing and controlling concepts (theoretically and their practical approaches) of various electrical systems using real time simulator (Opal-RT Technologies).

Resource Persons: Experts from eminent organizations such as IITs, Opal-RT Technologies, Bangalore will be invited for taking expert lectures

Number of Participants: The number of participants has been restricted to 25.

Registration Fee: Nil

Travelling

Travelling expenses (restricted to 3 AC) will be provided to participants from Govt/Govt Aided Colleges.

Venue:

Electrical Engineering Department

IIT Bhilai

GEC Campus, Sejbahar,

Raipur 492015

Contents

The programme will be designed around the following major topics:

- ❖ MATLAB/SIMULINK Simulation
- ❖ Real time simulation concepts
- ❖ General architecture of the real-time simulator (OP4510/OP5600)
- ❖ Microgrids , Renewables & their Real Time Simulation
- ❖ Wide Area Monitoring Protection & Control

How to register?

Visit: <http://14.139.60.236/stconline1/index.php>

Step 1 : All participants are required to create their online account through one time registration as new user.

Step 2 : Verify mobile no through OTP.

Step 3 : After login, participant has to click on Apply for STC menu in the left panel, for first time they will be asked to pay annual convenience fee of Rs. 100/- valid for one financial year.

Step 4 : Pay the annual convenience fee through Online payment facility.

Step 5 : Apply for the STC **EE-4 – Recent Trends in Smart Grids and its Real Time Simulation** under Electrical Engineering Department

Step 6 : Download Application form under STC Applied menu in the left panel, Print it, get it duly signed by Competent Authority of your Institution

Step 7 : Upload the signed Application form/sponsorship letter under upload sponsorship menu in the left panel

Step 8 : Confirmation to the participants will be sent by the programme coordinator

Step 9 : After successful completion of the course, participants can download completion certificate of Faculty Development Programmes from the portal itself.