

TEQIP – III sponsored Short Term Course on

Modeling and Simulation of Electrical Systems using MATLAB/Simulink

28th Oct-2nd Nov 2019

Coordinators

DR. SASMITA BEHERA

&

DR. DEEPAK KUMAR LAL

Organized by



Department of Electrical Engineering & EEE
Veer Surendra Sai University of Technology
Burla, Odisha, 768018, India
www.vssut.ac.in

ELIGIBILITY

The course is open for faculty member/
practice engineer/ industry professional/
research scholars.

REGISTRATION AND FEE

Interested participants are required to submit the prescribed application form to the Coordinator of this STC on or before 21st October 2019. There is no registration fee for the participants and there is no TA, DA, accommodation and other expenses for attending this STC. However, the participants may get the list of nearby hotels by sending a request mail to the coordinators of this STC. Selection will be based on first come first served basis and the number of participants is limited to 50. Selected participants are to be intimated through email on or before 23rd October 2019.

VENUE AND TIMING

Electrical Computation Lab, Department of
Electrical Engineering, VSSUT, Burla

**The course will be conducted from 5 P.M. to
8 P.M. in all days.**

IMPORTANT DATES

Last Date of Submission of Application:
21/10/2019

Intimation of Selected Participants:
23/10/2019

STC Schedule: 28th Oct-2nd Nov 2019

Veer Surendra Sai University of Technology
Burla, Odisha, 768018, India

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on

Modeling and Simulation of Electrical Systems using MATLAB/Simulink

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Application form

1. Name (Block letter):
2. Designation:
3. Organization:
4. Date of Birth:
5. Address for communication:

Pin Code:

Mobile:

Email:

6. Academic Qualification (Please tick)

(a) B. Tech (b) M. Tech (c) Ph.D.

Specialization:

7. Experience (in years):

(a) Teaching (b) Industry (c) Research

Please register for the course “Modeling and Simulation of Electrical Systems using MATLAB/Simulink” to be held at VSSUT, Burla during 28th Oct-2nd Nov 2019.

Place:

Date:

Signature of the applicant

About the University

Veer Surendra Sai University of Technology (VSSUT), Odisha formerly known as University College of Engineering (UCE) Burla was established in the year 1956 as the first engineering college of the State and was upgraded to a Unitary State University which came into force from 1st day of July 2009 by Odisha Act 9 of 2009. VSSUT is located at the foothill of famous Hirakud Dam, the longest dam in Asia. This legendary university is named after Veer Surendra Sai, the great Indian freedom fighter. Burla is famous as Intellectual Capital of Odisha with VSSUT, Veer Surendra Sai Institute of Medical Sciences and Research (VIMSAR), Sambalpur University and Indian Institute of Management (IIM) Sambalpur. It is at a distance of 12 km away from Sambalpur railway station and 3 km away from Hirakud railway station. VSSUT, Odisha has carved a niche for itself among the best technical institutes in India and is a dream institute for many budding engineers. The University offers B. Tech., M. Tech., Dual Degree, M. Sc, MCA and PhDs courses. The University is surrounded by a large number of government, public and private industrial sector organizations such as OHPC, Hindalco, NALCO, NTPC, OPTCL, Vedanta Aluminium Ltd, Bhusan Steel Plant, etc. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.

About the Department

The department of Electrical Engg., one among the first branches to be instituted in

1956, with a rich heritage of academic excellence, innovative curriculum, effective classroom teaching, application oriented practices, well equipped laboratories and updated workshops, excellent placement record, industry institute interaction and top of the line faculty members with outstanding research abilities. For the last several years the graduates of this department have been well received by the various sectors of the industry. Alumni from the department are enjoying very well respected positions in reputed organizations in and outside India.

Course Objective

The prime objective of this course is to promote research and, it is expected to acquaint the participants with the modeling, simulation of electrical systems and emerging control techniques. Hands-on practice of MATLAB/Simulink for electrical system is the main feature of this course.

Also, the STC aims to bring together scholars, innovative researchers, leading professionals, policy makers and industrial experts to exchange and share their experiences and research activities and discuss the practical challenges encountered and the solution strategy adopted.

Course Contents

- Introduction to MATLAB/Simulink
- Modeling and simulation of power system components
- Automatic generation control
- Power system stability and FACTS devices

- Optimal placement of distributed generators
- Modeling of different power electronics converter circuits
- Integration of renewable energy sources
- Design of PV MPPT and WTG MPPT
- Design of optimal controller, robust controller and sliding mode controller

Speakers

The course lectures shall be delivered by the faculty members of VSSUT, Burla.

Contact details

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