

About REC Ambedkar Nagar

Rajkiya Engineering College (R.E.C.), Ambedkar Nagar was established by the Government of Uttar Pradesh in 2010 and is affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow. It is running B.Tech. Programs in three disciplines – Information Technology (IT), Electrical Engineering (EE), and Civil Engineering (CE). These courses are approved by AICTE, New Delhi. The students of REC Ambedkar Nagar are extensively exposed to cross-cultural environment as candidates from various other State such as Jammu & Kashmir, Madhya Pradesh, Rajasthan etc. join REC for various undergraduate programs. REC Ambedkar Nagar is fully residential institution with four hostels for boys and one for girls.

The Institute is situated 3 Km away from the city (Akbarpur Bus Stand) on Tanda road near hawaipatti (Air Strip). It is well connected through road and rail network. The nearest airport is Babatpur (Varanasi) which is about 120 Km far from the Institute.



CHIEF PATRON

Prof. Vinay Kumar Pathak

Hon'ble Vice Chancellor, Dr. A. P. J. Abdul Kalam Technical University, Lucknow

PATRON

Dr. Akhilesh Kumar Mishra

Director, Rajkiya Engineering College (R.E.C.)
Ambedkar Nagar

CONVENOR

Dr. S. P. Singh

Associate Professor & Head, EED

COORDINATOR (s)

Mr. Vikas Patel

Assistant Professor, EED

&

Dr. Arif Iqbal

Assistant Professor, EED

ORGANIZING SECRETARY (s)

Dr. M. Aslam Husain

Assistant Professor, EED

&

Dr. Yudhishthir Pandey

Assistant Professor, EED

ORGANIZING COMMITTEE

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One Week National Workshop on Simulation and Mathematical Techniques for Engineering Applications March 17-21, 2020



Organized by
Department of Electrical Engineering
Rajkiya Engineering College Ambedkar Nagar

Sponsored by

TEQIP-3
Technical Education Quality Improvement Programme

TEQIP-III

A Unit of



MHRD, Govt. of India for Implementation of World
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About the Department

The department of Electrical Engineering at Rajkiya Engineering College Ambedkar Nagar offers a vibrant environment for undergraduate education in Electrical Engineering (Established in 2010). The Department of Electrical Engineering is actively engaged in teaching and research with modern laboratories and excellent members of faculty.

The undergraduate programme provides the students with a strong background in the broad areas of Electrical Engineering namely, Power Electronics, Machines, control technology, electronics, and power & energy. The department has a very sound and young faculty strength, most of them have their master's degree and Ph.D. degree from IITs, NITs, and Central Universities.



Course Outline

Mathematical Modeling and Simulation are very important in product development cycle. This helps the designer in quick and better products at low cost. To facilitate the quick solution it is important to create models, which are simple and accurate and represent the physical system. Techniques used for solving the mathematical models and performing simulation in different environment will be covered during the workshop. Each lecture is backed up by the examples and laboratory session. An exposure to this workshop will help in modeling a complex engineering system and conducting the simulations, as a design aid.

Commitments expected from the participants

Participant understand that this workshop is of an integrated nature. Participant will attend it completely. Participant understand that attendance will be taken at each session.

The course contents of this workshop are the followings:

- To understand the basics of modeling and Simulation
- To understand the basics of Simulation Tools
- State the research problem and objectives
- Use appropriate method of Research
- Select appropriate research tools and design
- Determine the mathematical method
- Optimization Techniques used in Engineering Applications
- Acquire knowledge about current technological developments in relevant fields

TARGET PARTICIPANTS

The programme is recommended to technical teachers and research scholars who need the knowledge of such tools for their all-round academic development.

RESOURCE PERSONS

Resource Persons will be from Premier Institutions like IITs, NITs and State Government Engineering colleges.

REGISTRATION

There is no Registration fee for the participants.

Boarding/lodging:

The participants will have to make stay arrangements at their own during Workshop. In-campus Hostel Accommodation may be provided free of cost but it will depend on the availability. Participants will have to pay for accommodation provided outside the campus.

TA/DA will not be provided to participants.

Last Date for sending the registration form is **10-03-2020**.

Contact details:

Email: vikaspatel@recabn.ac.in

Mob.: 8808517767, 7567978865

Participants register link: <http://bit.ly/3184Al8>

Registration Form One Week National Workshop on Simulation and Mathematical Techniques for Engineering Applications March 17-21, 2020

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Sponsored by
TEQIP-III

Full Name: _____

Designation, Department and Organization: _____

Email Address: _____

Correspondence Address: _____

Mobile number: _____

Accommodation# Required (Yes /No): _____

Whether a TEQIP network Institute: Yes / No

Signature of the Participant

Recommended/Not Recommended

Signature and Seal
Head of the Department/Institution