

ABOUT THE INSTITUTE

Rajkiya Engineering College Bijnor (Formerly Dr. Bhim Rao Ambedkar Engineering College of Information Technology, Bijnor) was started by Government of Uttar Pradesh, Department of Technical Education under Special Component Plan (SCP), basically a Plan of the Union Government of India for the promotion of technical education into the socially and economically weaker section of the society. The admission to this College started in the year 2010-2011 with three branches Civil Engineering, Electrical Engineering and Information Technology with an intake of 60 in each branch. All the above courses have the approval of the All India Council for Technical Education (AICTE). All the departments have well qualified faculty members and excellent infrastructural facilities. REC Bijnor is also supported by World Bank Financial Assistance, TEQIP phase III. It has excellent computer facilities with Internet Connectivity in all the departments. The college is located in Chandpur Tehsil of Bijnor district and is affiliated to Dr. APJ Abdul Kalam Technical University Lucknow and the plan of the Government is to develop the college as an AICTE approved, independent fully autonomous college.

ABOUT THE DEPARTMENT

The Department of Electrical Engineering is well equipped with many laboratories, latest software and hardware facilities as per the requirements of curriculum. The department emphasises towards imparting quality education, rigorous teaching-learning, hands-on expertise and helping students to shape their all-round personality.

The department with its strong pool of faculty & well-developed laboratories contributes to develop life-long learning skills to its graduate students.

The department is constantly upgrading available hardware and software to create conducive teaching-learning, and research / testing environment leading to a great opportunity to learn and progress in different technical domains. Some of the faculty members have obtained their Ph.D. from IIT, NIT like premier institutes whereas some are undergoing their doctoral research.

CHIEF PATRON

Prof. V. K. Pathak
Vice Chancellor, Dr. APJAKTU Lucknow

PATRON

Prof. B. K. Tripathi
Director, REC Bijnor

CONVENER

Mr. Suneel Kumar, Assistant Professor & HOD (EED)

COURSE COORDINATOR

Mr. Suneel Kumar, Assistant Professor (EED)

CO-COORDINATORS

Mr. Anil Kumar, Assistant Professor (EED)
Mr. Mayank Kumar, Assistant Professor (EED)

ORGANIZING COMMITTEE

Mr. Jitendra Kr Vashishtha, Assistant Professor (EED)
Ms. Parul Kashyap, Assistant Professor (EED)
Mr. Paritosh Sharma, Assistant Professor (ASH)

IMPORTANT DATES

Last date of Registration: **August 24, 2019**
Notification of Selection: **August 24, 2019**

TEQIP III Sponsored

One Week

Short Term Course

On

**Recent Trends in Power
System Generation,
Operation & Control**

(RTPSGOC-2019)

(August, 27-31, 2019)



Organized

By

DEPARTMENT OF ELECTRICAL ENGINEERING

RAJKIYA ENGINEERING COLLEGE BIJNOR

**(Jaleel Pur Road, Near Eid Gah, Chandpur
Bijnor, Uttar Pradesh- 246725)**

REGISTRATION FORM

TEQIP III Sponsored Short Term Course
On
Recent Trends in Power System
Generation, Operation & Control
(RTPSGOC-2019)
(August, 27-31, 2019)

Name: _____

Title: (Dr./Mr./Mrs./Ms.): _____

Sex (M/F): _____

DOB: _____

Designation: _____

Organization: _____

Address for correspondence: _____

Contact No: _____

E-mail: _____

Qualification: _____

Signature of applicant (with date)

Sponsoring Authority:

Name: _____

Organization: _____

(Signature of Head of the Department/Institute with Seal)

COURSE OBJECTIVES

Recent advances in the areas of renewable energy resources and rising complexity in the power system network due to non-linear loads have led to various issues in installation, operation and monitoring of the system. The major problems in power system network are balancing the generation and consumption of the electrical supply, protection of various devices, control of power flows etc.

Power Electronics as well as control system play an important role to mitigate such issues by designing and controlling the equipment's suitably.

This course aims to provide knowledge of various electricity generation techniques, the operating mechanism as well as the control strategies adopted for control of various power flows in power system network.

CONTENTS

The course aims to address the following contents related to the electricity generation, power system operation and control, but not limited to these only.

- Power Quality issues in power system
- Power System Restructuring
- Active power filter in in modern electrical distribution system
- Role of power electronics in power system
- Fundamentals of Control System
- PID Controller for Load frequency Control : Recent Trends, Applications and Challenges
- Hydropower system planning and control
- Optimal DG sizing and allocation in distribution network
- Anti-islanding protection of DG system
- Concept of Available Transfer Capability in Power System
- Introduction to smart grid
- Lab sessions on MATLAB

RESOURCE PERSON

Faculties from reputed institutions/organizations:

- Dr Y. V. Hote, Assoc Prof, IIT Roorkee
- Dr Thanga Chelliah, Assoc Prof, IIT Roorkee
- Dr Nitin Gupta, Asst Prof, MNIT Jaipur
- Dr Dipayan Guha, Asst Prof, MNNIT Allahabad
- Dr Mohd Tariq, Asst Prof, AMU Aligarh
- Dr Puneet Joshi, Asst Prof, REC Ambedkarnagar
- Dr Sanjay Agarwal, Asst Prof, REC Ambedkarnagar
- Experts from L & T Organization

ELIGIBILITY

The course is open to all AICTE approved engineering college Faculty, Research Scholar, PG/UG students and people working in Industry/R&D Organization. Brochure of the course can be downloaded from: www.recb.ac.in

HOW TO APPLY

The Registration form duly filled in all respect can be send by post to the mentioned Address, or the scanned copy of the completed registration form can be mailed to: suneelkm17@gmail.com and hardcopy can be submitted at the time of registration.

There is no fee however seats are limited and participants will be selected on first cum first basis.

Participants will be provided kit at the time of registration and tea-snacks/lunch during the sessions. The accommodation can be arranged on the request of the participants on payment basis in institute hostel. TA/ DA have to be borne by the participants only.

CONTACT DETAILS

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