

Address for Correspondence:

Dr. Baidyanath Bag
Dr Lalit Kumar Sahu
Department of Electrical
Engineering
NIT Raipur (CG) - 492 010
Email: lkumar.ele@nitrr.ac.in
bbag.ee@nitrr.ac.in
Contact No.:
+91-8950045927
+91-9752314242

Course Highlights

- Lectures by eminent experts from Academia, Industry and Govt. Organizations
- Practical Aspects of Power Electronics and Power System
- Understanding of computer based Simulations of power system network and power electronics converters and analysis.
- Application of Advanced Power Electronics Equipments in Power System.
- Business opportunity and job Creation in the field of Power Electronics and Power System

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Dr. A. M. Rawani, Director, NIT
Raipur

Patron

Dr. (Mrs.) Shubhrata Gupta, Dean
(R&C), NIT Raipur

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Department of Electrical Engineering,
NIT Raipur

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Dr. K. Chandrashekharan, NIT Raipur.

Coordinators

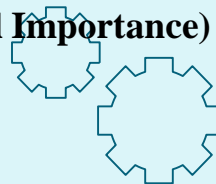
Dr. Baidyanath Bag
Assistant Professor, EED,
NIT Raipur

Dr Lalit Kumar Sahu
Assistant Professor, EED,
NIT Raipur

One Week Workshop On Recent Trends and Advancements in Power Electronics And Power Systems 2nd - 6th March 2020



Organized by
Department of Electrical Engineering
National Institute of Technology
Raipur-492 010, India
(An Institute of National Importance)



About the Institute

National Institute of Technology, Raipur situated in the capital of Chhattisgarh, has proven to be a Pioneer in the field of science and technology over the decades. The institute laid its foundation stone with the hands of President Hon'ble Dr. Rajendra Prasad on 14th September, 1956, and the inauguration of the Institute building was done by Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5 km from the Raipur railway station and 18 km from airport on NH-6, the Great Eastern Road.

About the Department

The Department of Electrical Engineering came into existence in year 2000. Electrical Engineering Department acts as the study, research and work place for approximately 600 students from the 29 states across India. The department provides an outstanding research environment and offers academic program leading to the award of B. Tech, M.Tech. and Ph.D. degrees.

Workshop Venue

Department of Electrical Engineering, National Institute of Technology, G.E. Road, Raipur–492010 (C.G.), India

Course Objectives

The objective of this workshop is to train the faculty members, research scholars, young scientist and students of various organizations in the field of power electronics converter and power system along with its application. The objective of the programme is also to provide a platform for interaction and exchange of ideas on recent trends and future advancement in the field

The main objectives of the workshop are to enhance the participant's understanding about basic concepts and theory related to power electronics system and power system along with its applications. The participants will also be provided hands on practical experience in the advanced power electronics, electrical drives and digital controller laboratory of the Department along with all the theory relevant to the area of the power electronics and power system.

Topics to be Covered

- Review of classical power electronics converters and associated issues.
- Recent trends and advancement in DC-AC, AC-DC, DC-DC Switch Mode Converters.
- Application of Power Electronics Converter in Electric Vehicle and Renewable Energy Systems
- Power System Network Planning and Management
- AC and DC Microgrids and Smart Grid Technologies
- Control, operation and monitoring of power system and associated issues and challenges
- Financial and business models of power systems
- Tutorial session and Laboratory Exercise

Registration

Applications in prescribed format with registration fee in the form of Demand Draft drawn in favour of “Director, NIT Raipur” payable at Raipur, must reach the coordinator on or before **28th February 2020**. **Registration fee includes registration kit, lunch, snacks and hand outs.** Certificates will be issued to the participants only after attending the complete course.

Registration Fee

Sn.	Participants	Fee
1.	UG Students	1000.00
2.	PG/PhD	1500.00
3.	Faculty	2000.00
4.	Industry Delegates	3000.00

Who Should Attend ?

- **U.G./ P.G. /Ph.D. students of All Streams**
- **Faculty members/ Researchers**
- **Industry Employees**

Provisional Registration

Please take the printout of registration form, after filing the asked details send the scanned copy with DD at
email: bbag.ee@nitrr.ac.in
Contact No.: +91-8950045927

REGISTRATION FORM

**One Week Workshop
On
Recent Trends and Advancements in Power Electronics And Power Systems
2nd -6th March 2020**

Organized by
Department of Electrical Engineering
National Institute of Technology, Raipur, C.G.

Full Name (Block Letter):

Name of College/Institution/Organization:

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.....

Qualification:

Designation:.....

Address:

.....
.....

Pin code:

Phone No./Mobile No.:

E-mail:

Do you need accommodation: (Yes/ No):

I have enclosed the registration fee of Rs.....by D.D. No

Dated.....in favour of "**Director, NIT Raipur**" payable at **SBI, GCET Branch, Raipur**

Place:

Signature of the Participant

Date:

Duly filled registration form must reach to Department of Electrical Engineering, NIT-Raipur, before last date of receipt of registration form by post/by hand along with registration fee (DD)