

ABOUT THE INSTITUTE



National Institute of Technology, Raipur (Formerly Known as GCET, Raipur) is an institute of national importance established in 1956. It is one of the premier institute in the field of science and technology in Central India. It is situated in the centre of Raipur, capital of a newly incepted state of Chhattisgarh. NIT Raipur is well connected to all parts of the country by rail and air. The institute is about 5 km from Raipur railway station and 25 km from Raipur airport.

ABOUT THE DEPARTMENT

The Department of Electrical Engineering came into existence in 1958. Department of Electrical Engineering aims at imparting the state of the art of knowledge and skills to the students in the field of electrical engineering and to mould them to become successful intellectuals of the society. The department provides an outstanding research environment and offers academic programs leading to the award of B.Tech, M.Tech. and Ph.D. degree.

OBJECTIVES

The objective of this workshop is to exchange the knowledge and views of green energy utilisation with power electronics application, among the experts from industry and reputed academic institutes with the faculty members, research scholars, young scientists and post graduate students of various organizations. The objective of the programme is also to provide a best platform to come out with optimized solution in eco-friendly access of green energy with the help of recent trends and future advancement in the power electronics.

COURSE DESCRIPTION

The workshop is proposed to give a thorough exposure to the recent research trends, and analytical analysis in the field of power electronics converters for accessing of energy in eco-friendly manner. Distinguishing features of this programme include expert talk on field and future technological advancement, hands-on training and laboratory session. The proposed workshop will provide opportunity to faculty, engineers and utility/industrial personnel to know the latest advances, associated problems and measures to overcome them.

COURSE CONTENTS

The program will be conducted in an interactive environment providing greater scope for discussion. Emphasis will be on a highly participative style of learning

- Power Electronics Converters.
- Multilevel Inverter
- Advances in renewable energy system
- Recent trends in high power switches
- Energy management system
- Development in energy storage system
- Hybrid electric vehicles
- Energy efficient appliances
- Control algorithms and optimization of Power electronics converter

IMPORTANT DATES

Last date of receipt of application by post:
01/08/2016,

Notification of Shortlisted Candidate by email:
02/08/2016

CONTACT

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Professor

Mrs. Varsha Singh

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REGISTRATION FORM

Workshop
on

Power Electronics for Green Energy

Sponsored by TEQIP - II

August 08-12, 2016

Organized by
Department of Electrical Engineering,
National Institute of Technology,
Raipur – 492010, Chhattisgarh

Full Name (Block Letter):

Name of College/Institution/Organization

Qualification:.....

Designation.....

Address:.....

Pin code:.....

Phone No.:

Mobile No.:

E-mail:

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

Dated.....in favour of “**Director,
NIT, Raipur**”

Place :

Date :

Signature of the participant

Patron

Dr. Sudarshan Tiwari
Director, NIT Raipur

Dr. Shubhasish Sanyal
Dean (R&C), NIT Raipur

Course Coordinators

Dr. Swapnajit Pattnaik
Assistant Professor
Dr. (Mrs.) Shubhrata Gupta
Professor
Mrs. Varsh Singh
Assistant Professor
National Institute of Technology Raipur

Registration Fee

Research Scholar Rs. 500/-

Academician Rs. 1000/-

Industry Personel Rs. 2000/-

The fee has to be paid in the form of non refundable DD drawn in favour of “**Director NIT, Raipur**” payable at **SBI, GCET Branch, Raipur**. The fee includes course material, working lunch, tea and snacks.

HOW TO APPLY

Application in the prescribed format with registration fee in the form of Demand Draft must reach the coordinator on or before 1st August. Selected candidate will be informed by email as per the schedule. Certificates will be issued to the participants only after attending the complete course.

Workshop on

**POWER ELECTRONICS FOR
GREEN ENERGY**

(Sponsored by TEQIP – II)

08-12 August 2016

Course Coordinators

Dr. Swapnajit Pattnaik

Dr. (Mrs.) Shubhrata Gupta,

Mrs. Varsha Singh



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