

## 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 center 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
- Application of renewable energy system

## IMPORTANT DATES

**Last date of receipt of application by post: 18/02/2019,**

**Notification of Shortlisted Candidate by email: 25/02/2019**

## CONTACT

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## REGISTRATION FORM

2<sup>nd</sup> Short Term Training Program

on

**Power Electronics for Green Energy**

March, 06-10, 2019

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

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

**Course Coordinators**

**Dr. Swapnajit Pattnaik**  
Assistant Professor  
**Dr. Varsh Singh**  
Assistant Professor  
National Institute of Technology Raipur

**Registration Fee**

**Student Rs. 1000/-**

**Academician Rs. 1500/-**

**Industry Personnel Rs. 3000/-**

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 **18<sup>th</sup> February 2019**. Selected candidate will be informed by email as per the schedule. Certificates will be issued to the participants only after attending the complete course. Accommodation will provide depending on availability of rooms in hostel. No TA/DA is permissible. **Details are available in NIT Raipur website.**

**2<sup>nd</sup> Short Term Training Program**

**on**

**POWER ELECTRONICS FOR  
GREEN ENERGY**

**06-10 March 2019**

**Course Coordinators**

**Dr. Swapnajit Pattnaik**

**Mrs. Varsha Singh**



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