## IEEE Bombay Section and NIT Raipur Sponsored

**One week**

**Short Term Training Programme (STTP)**

**on**

# Recent Advances in Renewable Energy and Power System

**From**

**February 11-16, 2019**

**REGISTRATION FORM**

Name: ……

Designation: ……..……

Organization: ……

Qualification: ……

Correspondence Address: ……..……

…….....

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Tel. (O) ……. (R) …..…….....

(M) …….…….....

E-Mail: ……..……

Registration Fee is paid in the form of Cash/DD

Amount …….....

No.....Date ……

Name of the Bank……..……

Accommodation Required: Yes / No

Date: Place:

Signature

Note:

- Demand draft should be made in favour of Director, National Institute of Technology Raipur, payable at Raipur.
- Photocopies of registration form may be used.

***CHIEF PATRON***

**Dr. A. M. Rawani**

***Director, NIT Raipur***

***PATRON***

***Dr. S. Gupta***

***Dean R&C***

***NIT Raipur***

***CHAIR PERSON***

***Dr. N. D. Londhe***

***HOD, EED***

**CO-ORDINATORS**

**Dr. Monalisa Biswal (Asst. Prof)**

**Dr. Ebha Koley (Asst. Prof)**

**ORGANIZING COMMITTEE**

Dr. R. N. Patel, Associate Professor, EED

Dr. S. Ghosh, Associate Professor, EED

Dr. Binod Shaw, Assistant Professor, EED

## Address for Correspondence


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***91-9827215396***



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# Recent Advances in Renewable Energy and Power System

**From**

**February 11-16, 2019**


***Organized by***

**Department of Electrical Engineering**

**National Institute of Technology**

**Raipur- 492010 (Chhattisgarh)**

## About the Institute:

**National Institute of Technology Raipur** situated in the capital of Chhattisgarh, has proven to be "avant-grade' in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956. the institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our 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 railways station and 18 km from airport on NH-6, the Great Eastern Road.

## About Department:

- The Department of Electrical Engineering was established in 1958.
- National level research projects are sanctioned.
- National and International research papers are contributed by all faculty members every year.
- Offers undergraduate as well as postgraduate programs.
- The department provides an outstanding research environment and offers academic program leading to the award of Ph.D. degree.

## Venue:

**Department of Electrical Engineering**
**NIT Raipur (CG) – 492 010, INDIA**

## Objectives:

The objective of program is to provide a platform to participants for interaction and exchange of ideas about recent trends in renewable energy, power systems, and power electronics applications, with experts from IIT Bombay, SFIT (Mumbai), UMIT (Mumbai), and NIT Raipur. The program would be useful to faculty members, research scholars, and postgraduate and undergraduate students of various academic institutes, and scientists and working professionals from research organizations and industries, respectively.

## THEME / SCOPE

The short-term training programme (STTP) on "**Recent Advances in Renewable Energy and Power System**" is proposed to give a thorough exposure to the recent research trends, and analytical tools in the field of power systems and renewable energy. Distinguishing features of this programme include expert lectures on current and future technological advancements. The proposed workshop will provide opportunity to faculty, engineers and utility/industrial personnel to know the latest advancements in the area of modern power networks with increasing penetration of renewable energy sources. The programme will also focus on applications of machine learning techniques to electrical/ electronics systems. Emerging AC and DC microgrids will also be discussed.

## Topics to be covered:

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

**Six days training program will primarily focus on**

- AC/DC Microgrid
- Grid operation and integration with renewable sources
- Neural network and Fuzzy Logic application to power system
- Advanced control and monitoring techniques
- Deep learning and Machine learning applications
- HVDC system
- Power electronics application in power system
- Revisiting important concepts in Electromagnetics, FEM basics, Transformer diagnostics

## Registration Fee Details (in INR):

| Participants | Amount (in Rs) |
|---|---|
| Students | 500/- |
| Faculty | 1000/- |
| Industry Delegates | 3000/- |

Application in the prescribed format with registration fee in the form of Demand Draft drawn in favor of "**Director, NIT Raipur**" must reach the coordinator on or before 11.02.2019. Registration fee includes registration kit, tea and lunch during the program. Fee is non-refundable**.** Selected candidate will be informed by email as per the schedule. Certificates will be issued to the participants only after attending the complete course.