

**TEQIP-III Sponsored 6-Day
Short Term Course**

on

**Recent Trends in Microgrid and Its
Real-Time Implementation using
Opal-RT
(RTM-2019)**

[May 27 – June 01, 2019]



Sponsored by:



Co-sponsored by:



Organized by:

Department of Electrical Engineering
National Institute of Technology
Jamshedpur, Jamshedpur



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Resource Persons:

The speakers will be from IITs, NIT Jamshedpur/ other reputed organizations.

Course will be useful for:

Students, faculty members of Science/Engineering, Industry personnel and Scientists.

Important dates:

Last date of registration : **17.05.2019**
Selection intimation to the applicants : **20.05.2019**

Notes:

- Registration fee is non refundable
- No TA/DA will be provided for attending the course
- To avoid postal delay, it is advised to send scanned copy of duly signed registration form by email to stc.ee.nitjsr@gmail.com

Registration Form

Short Term Course on
**Recent Trends in Microgrid and Its
Real-Time Implementation using
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[May 27 – June 01, 2019]

1. Name (Mr./Ms./Dr.):
2. Category: Academic/Industry/Student
(Attach Institute/Company ID proof)
3. Organization:-
4. Address:-
5. Email:-
6. Mobile No:-
7. Qualification: -.....
8. Area of specialization:-.....
- 9. Payment Details:**
Amount ₹
- Online Transaction ID:-
- Date of Transaction:-
- (Please enclose transaction slip)
- Sponsored by:.....
- Name:-

10. Accommodation Details*:
Accommodation required (Yes/No):.....

Signature of applicant

Recommendation

Signature of Head of the Institution/Head of the
Department with seal

About the Institute

The National Institute of Technology Jamshedpur (NIT Jamshedpur), is an Institute of National Importance located at Jamshedpur, Jharkhand, India. Established as a Regional Institute of Technology in 1960, it was upgraded to National Institute of Technology (NIT) on 27 December 2002 with the status of Deemed University. It is one of the 31 NITs in India, and as such is directly under the control of the Ministry of Human Resource Development (MHRD). It is the third in the chain of eight NITs established as a part of the Second Five Year Plan (1956–61) by the Government of India. The Institute has twelve departments including engineering, science and humanities. The institute offers a 4-year Bachelor of Technology degree in the various streams. The institute also offers Master and Ph.D degrees in various streams. The institute is bound to the quest for academic excellence and good governance, growth of institute, admired and respected institute for students, employees and industry, innovative leader.

About the Department

The Department of Electrical Engineering was started in 1960. The Department has been consistently producing quality Engineers since its inception and is also involved in research and development activities. The alumni of the department are well placed in both public and private sectors. In addition to the UG programme the department runs PG programme in Power Systems and Power Electronics and Drives and Ph.D. program in different areas of specialization.

Course Objective

To fulfill the increasing electric power demand one of the ideal ways is to incorporate small renewable-based generations to the existing distribution system. The distribution system embedded with distribution generations (DGs) is called a microgrid. Adding DGs possesses new challenges such as control, operation and management, and protection of microgrid. Therefore, the aim of RTM-2019 is to provide thorough knowledge and understanding about the topic and to equip with new ideas related to research and development.

Short term course topics:

- Basics of microgrid
- Distributed generations (DGs)
- Pros and cons of different DGs
- Operation and control of renewable-based DGs
- Challenges in microgrid with embedded DGs
- Impact of DGs on environmental pollution
- Protection against fault in microgrid
- Protection against islanding in microgrid

Number of Seats : 50

***Accommodation:** The participants may be provided accommodation in the institute hostels depending on the availability and on a nominal payment basis as per actual on first-cum-first serve basis.

Lunch can be arranged for candidates on a nominal payment basis

Registration Fee:

Student/Scholar	:	₹1000
Academicians	:	₹3000
Industry person/Scientist	:	₹4000

Registration fees includes: Program kit, tea & snacks

Mode of payment:

Participants can make payment by depositing the registration fee online in Account No. 33117999641 (NIT Jamshedpur) of SBI, NIT Jamshedpur (IFSC Code: SBIN0001882).

Spot payment (through DD) is also admissible but only after prior approval from the organizers.

Address for correspondence:

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STC email: stc.ee.nitjsr@gmail.com

STC url: <https://sites.google.com/view/stc-ee-nitjsr>

Institute website: <http://www.nitjsr.ac.in/>

How to reach the Institute:

NIT Jamshedpur is 130 kms away from Birsa Munda Airport, Ranchi, Jharkhand and well connected by Rail and Bus. The Campus is about 12 kms from Tatanagar railway station and only 2 kms from Adityapur railway station which is a small station. Distance between Tatanagar Junction and Adityapur railway station is 4 kms. NIT Jamshedpur is 9.5 kms from Jamshedpur main bus stand at Mango.