

**TEQIP-III Sponsored
5 Days Workshop
on
“Recent Trends in Smart Grids”**

24th to 28th February 2020

REGISTRATION FORM

1. Name:
2. Student Research Scholar
 Faculty
3. Department:
.....
4. Address for Communication:
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.....
.....
.....
5. Mobile no.
.....
.....
6. Mail ID
.....
.....

PAYMENT DETAILS:

Name of the Bank:
Amount:
Demand Draft Number:
Date:

Signature & Seal
(Head of Institution)

REGISTRATION FEE FOR PARTICIPANTS

UG & PG Students: Rs. 500/-

Faculty & Research Scholars: Rs. 1000/-

Industry Person: Rs. 2000/-

Participants are requested to draw the demand draft in favor of “The Director, National Institute of Technology Nagaland” from any nationalized bank payable at Chumukedima.

Maximum number of participants: 30

(First come first served basis)

Registration fee has been waived for internal participants

IMPORTANT DATES:

Last date of Registration: 21/02/2020

Note: The filled registration form with scanned DD should be sent to mail id: shakila@nitnagaland.ac.in on or before registration deadline.

ORGANISING COMMITTEE:

**Dr. Dipu Sarkar
Dr. D. Ganga
Mr. Swaraj Banerjee
Mr. Ankur Rai**

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5 Days Workshop
on**

“Recent Trends in Smart Grids”

24th to 28th February 2020



PATRON

Dr. S. Venugopal

CONVENORS

**Dr. R. Kumar
(Dean Academic)
Dr. Dushmanta Kumar Das
(HoD / EEE)**

COORDINATORS

**Dr. B. Shakila
Dr. M. Prakash**

**Organized by
Department of Electrical and
Electronics Engineering**

**NATIONAL INSTITUTE OF
TECHNOLOGY NAGALAND,
DIMAPUR, NAGALAND-797103
www.nitnagaland.ac.in**

ABOUT THE INSTITUTE

National Institute of Technology Nagaland, an Institute of National importance is a higher education technical Institute located at Chumukedima (Dimapur), Nagaland. The premier institute of higher learning, is one of the thirty-one institutes established by the Ministry of Human Resource Development (MHRD), Government of India. The Institute offers under graduate and post graduate programs in various branches of engineering like Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering and Electronics and Instrumentation Engineering. The Research activities are focused in the thrust areas of Control Systems, Power Systems, Renewable Energy, RF Communication, Mobile Communication, Smart Grid, 5G Communication, Speech Processing, Nano-Devices, Big Data Analytics and Internet of Things.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering is one of the major departments of NIT Nagaland. This department is offering four years B. Tech. and two years M. Tech (Power Systems Engineering) programme. The department is facilitated with highly sophisticated laboratories.

TEQIP –III INTRODUCTION

The project, third phase of Technical Education Quality Improvement Program (referred to as TEQIP- III) is fully integrated with the twelfth Five- year plan objectives for Technical Education as a key component for improving the quality of Engineering Education existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

TOPICS COVERED

Introduction to Smart Grid and its key Components, Distributed generation, Phasor Measurement Unit, Application of Power Electronics in Smart Grid, Demand Side Management and Smart appliances, Two-way communication network, G2V and V2G in smart Grid.

Role of Communication in Smart Grid: Network Consideration / Requirement, SCADA, Advanced Metering Infrastructure, Neighborhood Area Networks (NAN), Home Area Networks (HAN), Communication Technologies Challenges, Interoperability, Communication enabled Smart Grid Applications.

Solar PV technology: Research and Challenges, Micro-grids, Online condition monitoring and Power Management System.

HOW TO REACH

The campus is well-connected with all means of transportation. Dimapur Airport is 12.6 kms from the Institute and the distance of Dimapur railway Station is about 17.6 kms.

ADDRESS FOR COMMUNICATION

Dr. B. Shakila

The Coordinator

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Electronics Engineering,**

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