

Patron

Prof. B.B Biswal, Director, NIT Meghalaya

Coordinator

Dr. Sanjoy Debbarma, Assistant Professor & HOD, EE Dept.

Co-Coordinator

Dr. Shaik Affijulla, Assistant Professor, EE Dept.

Experts/ Speakers

Dr. Dipankar Debnath, IIT Kharagpur

Dr. Manas Kumar Jena, IIT Palakkad

Dr. Sarasij Das, IISc Bangalore

Dr. Asim Datta, Tezpur University

Dr. Ravi Yadav, IIT Jodhpur

Dr. Shaik Affijulla, NIT Meghalaya

Dr. Premalata Jena, IIT Roorkee

Dr. Asadur Rahman, NIT Srinagar

Dr. Pratyasa Bhui, IIT Dharwad

Dr. Sanjoy Debbarma, NIT Meghalaya

Dr. P.P. Singh, NIT Meghalaya

Dr. Supriyo Das, NIT Meghalaya

Dr. Pratim Kundu, IIT Mandi

Organizing Committee Members

Prof. Gayadhar Panda, Professor, EE Dept.

Dr. Atanu Banerjee, Associate Professor, EE Dept.

Dr. Supriyo Das, Assistant Professor, EE Dept.

Dr. Rakesh Roy, Assistant Professor, EE Dept.

Dr. Ksh Milan Singh, Assistant Professor, EE Dept.

Dr. Piyush Pratap Singh, Assistant Professor, EE Dept.

Ms. Ramyani Chakrabarty, Trainee Teacher, EE Dept.

Important Dates

Last date for online registration	18 th Mar 2022
Intimation of selection & Google Meet Link	19 th Mar 2022
Event Date	21 st -25 th Mar 2022

AICTE Sponsored Online Short-Term Training Programme

on

“Smart Grids & Power System”

SGPS 2022

March 21st – 25th 2022



Department of Electrical Engineering
National Institute of Technology Meghalaya

Funded by

All India Council for Technical Education (AICTE)

Venue

Department of Electrical Engineering
National Institute of Technology Meghalaya,
Laitumkhrah, Shillong, –793003.

NO Registration Fee for the Participants

Short Term Course Objective

This online short-term course is designed to address recent advancements in the area of smart electric grid technologies related to Integration of renewable energy sources, control techniques and protection technologies for smart grids, big-data analytics. The course will offer a unique platform to the researchers, practicing engineers, academicians and research scholars working in the relevant areas to come closer through theoretical sessions and practical sessions. This event is structured to give a wide exposure on recent advancements in smart electric grid technologies.

About NIT Meghalaya

National Institute of Technology Meghalaya was established in the year 2010 as joint venture of Govt. of India and Govt. of Meghalaya with granted permanent campus of around 450 acres at Shora, Cherrapunjee. The institute is functioning in its temporary campus at Shillong in East Khasi Hills district of Meghalaya and is about 2 kms from the main bus stand of Shillong on Police bazaar – Laitumkhrah roadway. The city of Shillong is well connected with rest of country by road. The nearest railway station is at Guwahati (Assam), at a distance of 90 Kms from Shillong. The nearest airport is within city (15 kms). The place has healthy climate with temperature ranging from 07°C to 16°C during December and is at an altitude of 1520 meters.

The Department of Electrical Engineering was established in the year 2010. The Department offers B.Tech, M.Tech and Ph.D programmes. The department is well equipped with laboratories, computers, latest simulation softwares and our students are exposed to recent technologies and techniques. The department has well experienced and dedicated faculty members with different specializations.

Program Contents

- ❖ Power System Operation & Control with V2G Infrastructure.
- ❖ Synchrophasor Technology
- ❖ Congestion Management in Smart Grid
- ❖ Multistability, Multiscroll Chaotic Behaviours in Multi-machine Swing Dynamics and Control
- ❖ DC Microgrid & Protection
- ❖ Power converter Protection features for EV application
- ❖ Electric Vehicles Charging Station
- ❖ Transactive Energy Markets
- ❖ Data Markets for Smart Grids
- ❖ Protection & Control Issues
- ❖ Cyber-attacks in Power Network
- ❖ Operationalizing WAMS in the Control Room

The Mode of Course will be Online via Google Meet.

National Institute of Technology Meghalaya

Shillong – 793 003

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Eligibility

This program is open to Faculty Members from AICTE approved institutions, Research Scholars, PG Scholars, UG Students, Participants from Government Sector, Industries members and Technical staffs.

Registration Form

Please register for the event using the link below:

<https://docs.google.com/forms/d/e/1FAIpQLSe5XICCh1jupNoYYTqA5pgEWXVorGghXLZcdJzyjUS2n252tQ/viewform>

Certification

E-Certificates shall be issued to those participants who have attended the program and qualified in the test to be conducted by the organizer.

Contact Details

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