

## Workshop Objective

This hybrid mode workshop 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 and academicians working in the relevant areas to come closer through theoretical and practical sessions.

## 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 – Laitumkhrach 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

- ❖ Integration of renewable energy sources e.g. solar, wind, etc.,
- ❖ Control techniques for grid connected photo voltaic systems
- ❖ Communication technologies for smart electric grids
- ❖ Energy management in an off-grid inverter
- ❖ Introduction to electric vehicle and its power converter requirements
- ❖ Power system operation & management in context to Indian grids
- ❖ Big data analytics and cloud computing
- ❖ Protection & control Issues

## Experts/Resource Persons

Eminent faculties from IIT/NIT and industry experts from NIELIT and other renowned organizations will deliver the expert talks during this five days workshop.

## Registration Fee

Online mode participants	Rs. 800/-
Offline mode participants	Rs. 500/-
Internal (NITM) participants	No fee

How to make above fee shall be notified to the selected participant only.

## Important Dates

Last date for registration	18 <sup>th</sup> June 2023
Intimation of selection	19 <sup>th</sup> June 2023
Hybrid mode Workshop	26-30 <sup>th</sup> June 2023

## Registration Form

\*\*\*\*Detailed online registration form is available on following link

[https://docs.google.com/forms/d/e/1FAIpQLSfHd3ayF23YXBubD7FF\\_CSzV4Qg8vFMhInFUqkr5TffEc7Hg/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfHd3ayF23YXBubD7FF_CSzV4Qg8vFMhInFUqkr5TffEc7Hg/viewform)

## Certification

E-Certificates will be provided to those participants who have attended the program with mandatory minimum attendance in 80% lectures among scheduled lectures.

## Coordinators

Prof. Gayadhar Panda, Professor, EE

Dr. Shaik Affijulla, Assistant Professor, EE

## Workshop

on

## Advanced Control, Communication & Protection of Sustainable Power & Energy Systems

ACPSPES 2023

June 26<sup>th</sup> – 30<sup>th</sup> 2023



Organized by

Department of Electrical Engineering

National Institute of Technology Meghalaya

In Collaboration with

National Institute of Electronics & Information Technology

(NIELIT), Shillong, Meghalaya



## Venue

National Institute of Technology Meghalaya,

Laitumkhrach, Shillong, –793003.

## Contact Details

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