

One week Self-Sponsored
(Faculty Development Program)

on

**Recent Advancements, Challenges and Simulation
Methodologies in Power Sector
(01st July - 06th July, 2024)**

ORGANIZED BY



Department of Electrical Engineering
National Institute of Technology, Calicut, Kerala, 673601

About the Self – Sponsored Program

The NIT Calicut provides an opportunity for learning from the academic and industrial experts to the young and dynamic faculties, research scholars, PG and UG students in a self-sponsored mode. The institute facilitates the learning process through its high end labs, industrial visits and in person interaction with leading academicians and industrialists.

Speakers

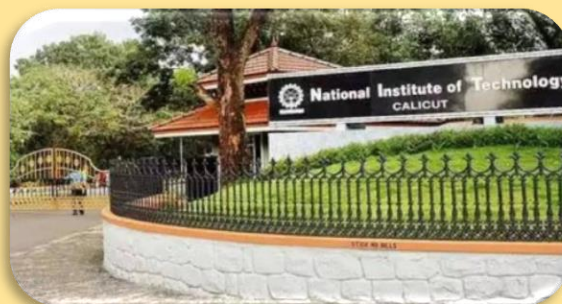
The speakers for this workshop will be from IITs, NITs and industries.

Target Participants

The proposed faculty development program is designed and intended for faculties, Ph.D. scholars, PG/UG students, and industry professionals looking for upgrading their skills towards the upcoming opportunities in Electrical and Electronics Engineering.

Who should attend?

Faculties, PhD scholars, PG/UG students, and industry professionals from various Engineering Colleges / Institutions / Research Organizations/Industries can apply.



CHIEF PATRON

Prof. Prasad Krishna
Director, NIT Calicut

PATRON

Prof. Sindhu T. K.
HoD, Department of Electrical Engineering

COORDINATOR

Dr. Devesh Shukla Dr. Sukriti Tiwari
(Assistant Professor) (Assistant Professor)

Dr. Abhineet Prakash
(Assistant Professor)

ADDRESS FOR CORRESPONDENCE

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Contact No.: 8009819147, 9098059757

IMPORTANT DATES

Last date of receipt of application: **24th of June 2024.**

How to Reach NIT Calicut

From Calicut railway station go to the “Palayam” bus stand which is approximately 0.8 km from the railway station. From the Palayam bus stand, there are private buses every five to ten minutes from 6.00 am to 9.00 pm going towards Mukkam via Kunnamangalam and NIT Calicut. Ensure that you are boarding a bus that goes via NIT.

How to Apply?

The participant should register through the google form with the link given below before the last date.

<https://forms.gle/4KNS71YDLn2aSj5Z8>

The registration fees can be submitted using the following QR code or by using the upi id **acsp24.157@sbi**



Registration Fee & other facilities

NITC Student/Faculty		Non-NITC Student/Faculty	Remark
UG/PG/PhD	1180/-	2124/-	(*For offline sessions, accommodation and food charges are included within the registration fees.)
Faculty	3304/-	4130/-	(*Registration fees includes standard GST charges of 18%)
Industry	8260/-		(*Registration fees includes standard GST charges of 18%)

Topics to be covered.

- Recent advancements in power system protection.
- Co-simulation and modeling of Integrated Transmission and Distribution System.
- Challenges and opportunities of renewable energy integration.
- Impact of intermittent renewable sources on power system stability and their analysis.
- Power system resiliency.
- Active distribution system modeling and control.
- Block-chain and its application to power systems.
- Hands-On-Training session on
 - i. PSSE/PSCAD
 - ii. OPENDSS/Grid-Lab D