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A Five Day Online Workshop

on

Recent Trends in Microgrid

(27th Sept.- 01th Oct. 2022)



Organized by

Department of Electrical Engineering
National Institute of Technology,
Uttarakhand

About Workshop

The objective of this workshop is to understand the necessity of microgrid, and its future in the present power system. In addition, the advantages of microgrid with respect to the conventional grid will be highlighted.

Further, various operating modes of microgrid, and energy management incorporating energy storage devices will be discussed.

The Workshop deliberations will be on the following themes:

- Renewable Energy System & their Grid Integration
- Energy Storage System & Grid Integration
- Active Distribution Network Management
- Energy Management for Smart Grid
- Transmission system technologies HVDC & FACTS
- Power System Protection for Smart Grid

Resource Persons

Prof. Shiv Pujan Singh

Professor, Electrical Engineering
IIT BHU, Varanasi

Prof. Kalyan Chatterjee

Professor, Electrical Engineering
IIT (ISM), Dhanbad

Prof. M. Jaya Bharata Reddy

Professor, Electrical Engineering
NIT Tiruchiapalli, Tamilnadu

Prof. Mairaj Ud Din Mufti

Professor, Electrical Engineering
NIT Srinagar

Dr. J Ganeshwara Rao

Deputy Director,
Central Electricity Authority (CEA),
Ministry of Power

Dr. Abheejeet Mohapatra

Associate Professor, Electrical Engineering, IIT Kanpur

Dr. Premalata Jena

Associate Professor, Electrical Engineering, IIT Roorkee

Dr. M. Venkata Kirthiga

Associate Professor, Electrical Engineering, NIT Tiruchiapalli, Tamilnadu

Dr. Anand Abhishek

Senior Scientist, CSIR-CEERI Rajasthan

Dr. Deepu Vijay M.

Deputy Manager, Suzlon Energy, Limited, Pune

Registration

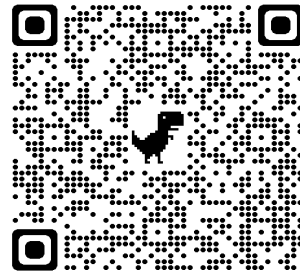
Registration link:

<https://forms.gle/1w72WjJzX4oGbbc6>

Registration fee for all delegates from Academia (Faculty/UG/PG/Ph.D Scholars), R&D Organizations/Industry-Rs 300/-. The payment should be made online.

The institute's bank account details:

A/C Name: NIT Uttarakhand
Bank Name: SBI, Srinagar (Garhwal)
A/c No.: 37530566069
IFSC Code: SBIN0003181



QR code for the Registration link (Use Camera)

About NITUK

National Institute of Technology, Uttarakhand (NITUK) is one of the 31 National Institutes of Technologies in the country. Since its inception, this Institute has grown in many fields and has established itself as one of the best Technical Educational Institutes. NITUK was established in 2009 under the Act of Parliament by the Ministry of Education (Shiksha Mantralaya). The Institute offers full time B. Tech. and M.Tech. Program in Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Mechanical Engineering and Civil Engineering.

Institute has shown consistent progress over the last 12 years of its operation. In the year 2022, the institute secured 131 rank in National Institutional Ranking Framework (NIRF) India ranking 2022 in the Engineering Category in almost 12,000 Institutions in the country. Furthermore, NITUK is recognized in the band "PROMISING" under the category "Institute of National Importance & Central

Universities/CFTs (Technical)" in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021.

About, Deptt. of Electrical Engg.

The Electrical Engineering Department was established during the inception of the Institute in 2010. Department has a fine blend of young and dynamic faculty, providing quality education. The major areas of faculty expertise include Power Systems, Power Electronics, and Control System.

The Department is currently offering B.Tech. in Electrical & Electronics Engineering and M. Tech program in Electrical Engineering with two specializations (Power System and Control, and Power Electronics & Drives). The department is also offering Ph. D. program for full time and part-time researchers. Since the inception of NIT Uttarakhand Electrical Engineering Department has been working with vision-To be a premier department amongst the foremost technical institutions, through the pursuit of research excellence and the promotion of innovation. The department is dedicated to encourage independent and critical thinking in students and culture their potentials to pursue high quality of research.