



NATIONAL WORKSHOP ON

GRID POWER ELECTRONICS TECHNOLOGY (18 & 19, FEBRUARY 2022)

Organized by

Department of Electronics & Communication Engineering

Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai – 600 127

(An Institute of National Importance under Ministry of Education, Govt. of India)

Financially Supported by

Science and Engineering Research Board (SERB)

(Department of Science & Technology, Government of India, GOI)



ABOUT WORKSHOP

The flexible and efficient integration of renewable energy sources and electrical vehicles are possible using grid power electronics technologies. Despite having the stringent requirements for stability and safety on generation, transmission, distribution and utilization sides, they used to fulfil critical roles in various utility applications as well. For ensuring safe and reliable operation, synchronize grid power electronic system under abnormal conditions of the grid becomes critical for grid stability. The proposed workshop covers grid power electronics system including integration of RESs and their control, various converter topologies, Power quality and Control of grid power electronics system in unbalanced grid etc.,

TOPICS

- Grid integration of renewable energy system including power quality.
- Grid synchronization techniques for grid-connected power converters.
- Control of grid power electronics system in unbalanced grid
- Renewable-based off-Grid/Grid-Interactive systems.
- Topology of grid power electronics system
- Power quality issues of aggregated grid power electronics system.

WHO SHOULD ATTEND?

The Programme is open to the faculty of Engineering Universities/ Institutes /colleges, researchers, industry personnel and Ph. D. students.

FACULTY CONDUCTING WORKSHOP

The Programme will be conducted online mode by the faculty members from IITs/IIITDM/Foreign universities are invited to deliver lectures in the programme.

IIITD&M KANCEEPURAM, CHENNAI

The course will be organized by Indian Institute of Information Technology Design & Manufacturing (IIITD&M Kancheepuram), Chennai. It is a Centre of Excellence for technical education and research established in 2007 by the Ministry of Human Resource Development, Government of India. To pursue design and manufacturing oriented engineering education and research and for promoting the competitive advantage of Indian products in global markets. The institute is located on a 51-acre campus on the outskirts of Chennai, off the Vandalur-Kelambakkam road. The Institute is presently offering UG, PG, and Ph.D programmes in Computer Engineering, Electronics and Communication Engineering and Mechanical Engineering.

REGISTRATION FEE PARTICULARS

No registration fee

HOW TO APPLY?

Participants are required to fill the online registration form by clicking on the following link:
<https://forms.gle/yYWSasuqtqLcH1QAA>

SELECTION CRITERIA

Selection will be done based on a first-come-first-serve basis to a maximum number of 80 (Eighty). The list of selected participants will be intimated through e-mail.

IMPORTANT DATES

Last date for Registration	13/02/2022
Selection List by E-mail	15/02/2022
Duration	18/02/2022 - 19/02/2022

EMINENT SPEAKERS



Dr. Harish S. Krishnamoorthy
University of Houston, USA



Dr. Thaiyal N. Ramasamy
Newcastle University in Singapore



Dr. Dipankar Debnath
IIT Kharagpur



Dr. Utsab Kundu
IISc Bangaluru



Dr. B. Chitti Babu
IIITDM, Kancheepuram

ORGANIZING COMMITTEE

Chief-Patron

Prof. D V L N Somayajulu
Director

Indian Institute of Information Technology
Design and Manufacturing Kancheepuram, Chennai

Patron

Dr. M.D. Selvaraj
Dean (SRICCE)

Indian Institute of Information Technology
Design and Manufacturing Kancheepuram, Chennai

Coordinator

Dr. B. Chitti Babu
Assistant Professor (Grade-I)

Dept. of Electronics & Communication Engg.,
Indian Institute of Information Technology
Design and Manufacturing Kancheepuram, Chennai.

E-mail: bcbabu@iiitdm.ac.in