

Registration Details.

Registration Fee:

IEEE members: Rs 100

Non IEEE members: Rs 200

Register online at

<https://forms.gle/MfaaSGyZ4ujCnHwU6>

Pay the Registration Fee by online transfer.

Account Details:

Account Name : **IEEE Madras Section**

Bank : **Bank of India**

Account Number : **800210100014174**

IFSC Code : **BKID0008002**

Contact Persons:

Dr.D.Devaraj

Secretary

IEEE Madras Section

Email: deva230@yahoo.com

Dr.J.Preetha Roselyn, Associate Prof/EEE

SRM Institute of Science and Technology

Mobile: 9884646775

Email: preethaj@srmist.edu.in

Co Coordinators:

Dr.U. Sowmmiya

Assistant Prof/EEE - SRM Institute of Science & Technology.

Dr.C.S.Boopathy

Associate Prof/EEE - SRM Institute of Science & Technology.

Contact Address:

IEEE MADRAS SECTION

Room No 3, ISTE Professional Center,
Gandhi Mandapam Road, Kotturpuram,
CHENNAI- 600025.

ieeemas@gmail.com

Phone: 044 24423939



IEEE MADRAS SECTION

Faculty Development Programme on

Control and Stability Aspects in Microgrid (On-line)

Date

**14th to 17th December 2020
2 pm to 5 pm**

Coordinators:

Dr.D. Devaraj

Secretary & Chair - Educational Activities
IEEE Madras Section

Dr.K. Vijayakumar

Prof & Head /EEE - SRM Institute of Science & Technology.

Dr.J. Preetha Roselyn

Associate Prof/EEE - SRM Institute of Science & Technology.

Hosted by

**SRM INSTITUTE OF SCIENCE & TECHNOLOGY
KATTANKULATHUR**

About IEEE

The Institute of Electrical and Electronics Engineering Inc. (IEEE), a non profit organization is the world's leading professional association for the advancement of technology. IEEE offers a wide range of learning, career enhancement, and employment opportunities in the engineering science, research and other technology areas. The goal of these programs is to ensure the growth of skills and knowledge among professionals and to foster individual commitment to continuing education among the IEEE members, the engineering and scientific community and the general public. IEEE student branches provide an opportunity for student members to begin networking in their areas of interest and future profession. There are nearly 2,000 student branches in 80 countries at various educational institutions.

About IEEE Madras Section

IEEE Madras Section came into existence in 1973 and has crossed its silver jubilee year. The IEEE Madras Section conducts technical lectures, symposiums and conferences by eminent personalities from several fields. The section is concerned about the welfare of the students in this part of the country and wants to improve the teaching learning process in the Engineering Colleges and Universities. IEEE Madras Section has received the Large Section Award for the year 2016.

About the Institution

SRM Institute of Science and Technology (formerly known as SRM University) is one of the top ranking universities in India with over 38,000 students and more than 2600 faculty across all the campus, offering a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine and Health sciences, and Science and Humanities. Foreign faculty, flexible and dynamic curriculum, exciting research and global connections are the features that set SRM apart. Students have a wide choice of cutting edge programs including nanotechnology, bioinformatics, genetic engineering, remote sensing and GIS, embedded systems or computer forensics to choose from. Most of these courses are offered in close collaboration with foreign universities. 80% of students are from outside Tamil Nadu, with students from Europe, China and other countries. Over 150 students sponsored to 35 foreign universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia. SRM is accredited by NAAC with 'A' Grade in the year 2013. SRM Institute of Science and Technology (formerly known as SRM University) is placed in A category by MHRD.

About the Programme:

The main purpose of this FDP is to train and develop professionals in the area of Distributed Generation and Microgrid system. The participants of the FDP will be trained on the state of art methods on operation and control aspects of Microgrid. Energy management strategies and demand side management schemes will also be discussed. This FDP will also enable the participants to understand the protection and stability aspects in Microgrid. The sessions in the FDP include technical presentations and hands on training by experts from Academic institutions and Industry. The following are the topics to be covered in this FDP:

Indicative Course Content

- Microgrid, concept, structure and operational modes
- Microgrid dynamics and modelling
- Power sharing control in DC and AC microgrids
- Master/Slave power-based control in microgrid.
- Intelligent control schemes in microgrid
- Demand side management in microgrid control systems
- Power electronic converters in microgrid applications
- Control techniques and design of autonomous microgrids
- Protection schemes in grid connected and islanded microgrid
- Operation of multi microgrids
- Stability aspects in grid connected and islanded microgrid
- Techno-economic analysis of microgrid

Resource Persons

1. **Dr.K.Shanti Swarup**
Professor, Dept of Electrical Engineering,
IIT - Chennai.
2. **Dr.D.Devaraj**
Professor, Dept of EEE,
Kalasalingam Academy of Research and Education,
Srivilliputhur.
3. **Dr.V.Ravikumar Pandi**
Assistant Professor,
Amrita Vishwa Vidya Peetham
4. **Dr.M.Venkata Kirthiga,**
Associate Professor, Dept of EEE
NIT, Trichy
5. **Mr.N.Vedhachalam**
Scientist F,
National Institute of Ocean Technology, Chennai
6. **Dr. Uma**
Professor, Dept of EEE
Anna University, Guindy, Chennai

Participants:

Faculty/Research Scholars from technical universities/Engineering colleges in India can participate.

Course Fee:

IEEE members: Rs 100

Non IEEE members: Rs 200

Dates to Remember:

Last date of Registration: **Dec 12' 2020**

Date of Intimation: **Dec 13' 2020**