



About FDP FACULTY DEVELOPMENT PROGRAM

The FDP aims at equipping the faculty with skills and knowledge that are essential for inculcating moral values in students and guiding and monitoring their progress towards professional career.

Power systems and power electronics play a key role in Electrical and Electronics Engineering. In this course Faculty may gain Knowledge on basic electrical engineering principles - electrical networks, control systems, power quality concepts, Flexible AC Transmission systems (FACTS), and Distribution system and Understand operating characteristics of power semiconductor switching devices and can learn converter topologies, control techniques, and applications. Can make to understand practical aspects of power electronics, loss, harmonics, Electromagnetic Interference, etc. and learn modeling and design aspects of converters. And to familiarize the faculty with application of power electronics in grid integrated systems, in electric power transmission lines, in distributed generation systems and modern industrial electric drives.

FDP Topics :

- Electric Vehicle Design, Development & testing
- Modelling of Power Converters for grid Integrated System
- Modelling & finite element analysis of generator for wind energy conversion systems
- Design of Intelligent controllers for PE converters
- Applications of DC-DC converters in Hybrid Electric Vehicle
- Design of Magnetic Components & Current Mode Control
- Modulation & Control of MLI in Power System applications
- Distribution System Reliability
- A study on electrical Energy Management Techniques for EPS
- Evolutionary Algorithms & Genetic Algorithm Application to Power system
- Z-Source based MLI for PV Applications
- Advanced Ultra capacitors & power storage through PE Techniques
- for solar power applications
- Power Electronic Applications in Critical Distribution System & Renewable Energy Systems

About Institute

Sasi Institute of Technology & Engineering (SITE) under the aegis of Sasi Education Society was started in the year 2002. Sasi Education Society has been imparting quality education for over 38 years. SITE is approved by NAAC with 'A' grade in the year 2014 and permanently affiliated to JNTUK Kakinada in the year 2017. SITE is providing best education in engineering and technology over two decades; it has made its mark already in minds of millions. It is treated as the best in coastal belt of Andhra Pradesh for professional education. SITE stands with highest success rate not only in academic lines but also in placement.

About Department

Department of Electrical and Electronics Engineering was started in 2002 and B.Tech. (EEE) is accredited by NBA. The present intake is 120 students for the B.Tech. program and 18 students for M.Tech. Program. The department functions with a vision to "Expand as a center of excellence in the field of Electrical Engineering through industrial and academic research by training the learners for global acceptance". The department has well equipped laboratories, qualified and experienced faculty. The department undertakes consultancy projects for industries and actively involved in the various research projects.



SASI INSTITUTE OF TECHNOLOGY AND ENGINEERING

(Autonomous)

AICTE

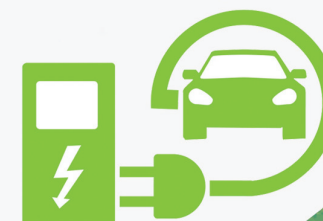
Sponsored

**TWO WEEK ONLINE
FACULTY DEVELOPMENT PROGRAM
on**

ADVANCED POWER ELECTRONIC APPLICATIONS IN POWER SYSTEMS

(19-10-2020 TO 31-10-2020)

Phase - I



+91 8184969699

sasionlineprogram@sasi.ac.in

**Organised by:
Department of**

Electrical and Electronics Engineering

Chief Patron

Sri B.Venu Gopal Krishna, Chairman, SITE

Patrons

Sri M.Narendra Krishna, Vice Chairman, SITE

Smt. M.Kranthi Sudha, Executive Director, SITE

Dr.K.Bhanu Prasad, Director, SITE

Co Patron

Dr.T.Madhu, Principal, SITE

Coordinator

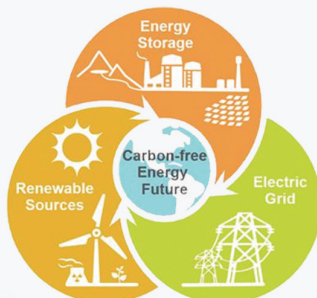
Dr.M.Sridhar, Professor & HOD , EEE

Co-coordinator

Dr.P.Hema Chandu, Professor, EEE

Organising Members

All the Faculty Members of Department of EEE



Resource Persons



Dr. P. Kalliyappan, Joint Director, CPRI, Bengaluru

Dr. KKSVM Prakasa Rao, Head, Electrical Division-II, ISRO, SDSC SHAR
Sriharikota

Dr. B. Chandra Sekhar, Head, EV Division, TCS, Bengaluru

Dr. O. Chandra Sekhar, Asst. Prof., NIT Srinagar

Dr. N. Vishwanathan, Professor, NITW, Warangal

Dr. B. Chandra Sekhar, Head, EV Division, TCS, Bengaluru

Mr. Puneeth Bhurat Jain, Managing Director, Vijay Sales
Corporation Inc., Bengaluru

Dr. J. Pradeep Kumar Rao, Senior R&D Engineer,
Dynamatic Technologies Limited, Bengaluru

Dr. N M G Kumar, Professor, Sree Vidyanikethan Engg.
College, Tirupati

Dr. Jammy Rahul, Adhoc Faculty, NITAP, Tadepalligudem

Dr. S. Farook, Associate Professor, Sree Vidyanikethan Engg.College, Tirupati

Dr. S. Krishnam Raju, Asst. Prof., VNIT, Nagpur

Dr. S. Prabhu, Asst. Prof., Sree Vidyanikethan Engg. College, Tirupati

Dr. K M Ravi Eswar, Asst. Prof., SRM Institute of Science & Technology, Chennai

Expected Outcomes

After the completion of Programme

1. Participants will gain a wealth of knowledge in the advanced power electronic technologies: Multi level inverters, FACTS, renewable energy and Assistive technologies.
2. Participants will acknowledge that there is a plenty of electrical advances to be made in the power system technologies.
3. Help identifying the compelling needs to drive HVDC & DG innovation in India.
4. Effective sharing of knowledge, practices and technologies in power electronic innovation.

Target Audience

This course is open to Faculty members of University or Engineering Institutions or Polytechnic, who wish to become the motivators, trainers & facilitators of technology.

Registration Details

The registration is free for the faculty members from AICTE approved institutions. The number of participants is limited to 100 and the selection is based on first come - first served basis.

E-certificate will be issued to all the participants who are attending all the sessions and qualify -ing the online quiz/test.

***NO REGISTRATION FEE**

Registration form link
<https://forms.gle/dDTwL4WQwBgT42pr9>

Important Dates

Last Date for Registration :
18th Oct- 2020

