

FACULTY DEVELOPMENT PROGRAMME
ON
POWER ELECTRONIC CONVERTERS FOR
RENEVABLE ENERGY SYSTEMS

June 12-14, 2019

Registration Form

1. Name :
2. Qualification :
3. Organization : Industry / Institute
4. Designation :
4. Department :
5. Name of the organization :
6. Category : Research Scholar / Faculty
7. Accommodation required : Yes / No
8. Email ID :
9. Phone No :
10. Payment details:
 - DD Number :
 - Date :
 - Drawn on bank :
 - Amount :

Date: **Signature of the Candidate**

Course Fee

Research scholar/Faculty Members Rs. 500/600

A demand draft to be drawn in favor of KARE- EEE payable at Rajapalayam has to be sent along with the registration form. Participation fee includes lunch, registration kit and certificates. Hostel Accommodation will be provided on request.

How to reach KARE?

By Road: Kalasalingam University is located near National Highways 744 (NH744 – earlier NH208 Madurai to Kollam) 65 KM southwest from Madurai. Round the clock bus services are available to Krishnankoil from Madurai and other cities.

Organizing Committee

Chief Patrons

Dr. K. Sridharan

Chancellor, KARE

Dr. S. Shasi Anand

Vice President, KARE

Mr. S. Arjun Kalasalingam

Vice President, KARE

Patrons

Dr. R. Nagaraj

Vice-Chancellor, KARE

Dr.V. Vasudevan

Registrar, KARE

Conveners

Dr. D. Devaraj

Sr. Prof. & Director (Academic), KARE

Dr. P. Aruna Jeyanthi

HoD/EEE, KARE

Co-ordinator

Dr. V. Agnes Idhaya Selvi

Associate Professor / EEE, KARE

Mr. M. Krishna Paramathma

Assistant Professor/EEE, KARE

Address for Communication

The HoD/EEE,

Kalasalingam Academy of Research and Education,

Anand Nagar, Krishnankoil-626 126,

Srivilliputhur, Virudhunagar Dt., TamilNadu.

Email: hodeee@klu.ac.in

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Organized by



Department of Electrical and Electronics Engineering
School of Electronics and Electrical Technology
Kalasalingam Academy of Research and
Education

(Deemed to be University)
(UNDER SECTION 3 of UGC Act 1956)
Accredited by NAAC with A Grade
Anand Nagar, Krishnankoil- 626126,
Srivilliputhur (Via), Tamilnadu, India

About the University

In 1984, the founder chairman of the institute, Kalvivallal Sri. T. Kalasalingam, started the institute as an engineering college with the name of Arulmigu Kalasalingam College of Engineering through the Kalasalingam Anandam Ammal Charity trust. His philanthropic vision to promote the dry-tract of the Virudhunagar district through education gradually materialized. The institute obtained Deemed to be University status in the year 2006 and named as Kalasalingam Academy of Research and Education (KARE). KARE is near the Thirumangalam-Kollam highway (NH 744) at a distance of 65 km from Madurai and 12 km from Srivilliputtur.

KARE spreads over 163 acres in the foothill of western-ghat with a built-up area of 21,59,274 square foot in a pleasant green eco-friendly campus with 30% greenery of its total area in the foothills of the Western Ghats. KARE offers 33 undergraduate, 31 postgraduate and 17 Ph.D. programs in all arts, science, management and technology domains.

KARE was re-accredited by NAAC in 2015 with 'A' grade and CGPA of 3.11 out of 4. Six of undergraduate engineering programs namely Biotechnology, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, and Mechanical Engineering were accredited by NBA under Tier-I category. KARE has participated in the NIRF ranking process from the beginning and ranked 96th in engineering category in the country recently. KARE has been ranked 25th among world universities in a rural set-up, 6th among Indian Universities in UI Green-Metric Ranking 2017.

KARE established an International Research Center encompassing an Advanced Instrumentation Center to cater to the needs of researchers in the field of material science with high-end instruments worth more than Rs. 2 Crore with a research focus on composite materials, crystallography, solid state ionics including nano-materials for energy and biological applications. Sponsored projects worth more than Rs. 3 Crore are ongoing in this center.

About the Department

The Department of Electrical and Electronics Engineering was established in the year 1992. Since then its excellence in each and every aspects have played an important role in the development of the institute. The department is accredited by NBA in the year 2017 and it is a DST-FIST sponsored department.

Presently the department is offering B.Tech in Electrical and Electronics Engineering and M.Tech in Renewable Energy system. In addition to that the department is offering Ph.D program also.

The department is well equipped with the following laboratories:

- Machines Laboratory
- Applied Electronics Laboratory
- Power Electronics Laboratory
- Power System Simulation Laboratory
- Renewable Energy Technology Laboratory
- Intel-Intelligent System Laboratory

Industry standard components and equipment are available in all the laboratories.

Faculty members of EEE department are involved in research in addition to teaching. The Department had organized several national and international conferences / seminar / workshop / short term courses sponsored by funding agencies like CSIR, DRDO, DST-SERB, ISTE, IEEE, etc.

The Department has close interaction with leading industries of our country. Many projects have been carried out in association with leading industries including ABB Ltd, TNEB, RAMCO Cements, Fenner, India Cements, TVS, DRDO, TTPS, Mcnold Transformers, BHEL, Keltron., etc. Many Consultancy Projects have been carried out to cater to the needs of nearby industries.

About the Faculty Development Programme

Power Electronics technology has gone through dynamic evolution in the last few decades. Its applications are fast expanding in industrial, commercial, residential, transportation, utility, aerospace, and military environments. Power Electronics and the automatic control are important in decentralized generation of electric power by innovative wind power plants, photovoltaic cells or in the use of fuel cells. Power electronics plays significant role in harvesting power from renewable energy sources. The integration of power electronics with renewable energy sources such as solar and wind has a vast potential to meet the energy scarcity

This FDP will expose the participants to the recent developments in the area of power electronics converters and variable renewable energy sources.

Major Topics

- Study on Power Electronic(PE) Converters
- Simulation of Power Electronic(PE) Converters
- Design methodology for Power converter circuit
- PE Converters for Photovoltaic Systems
- PE Converters for Wind Energy Systems
- PE Converters for Fuel Energy Systems

Who can attend?

Faculty members from Universities / Engineering colleges, Professionals from Industries, Utility and R&D Organizations can attend this faculty development programme.

Resource Persons

The sessions will be conducted by invited experts from Utilities/ Industries/ Research Institutions and experienced KARE faculty members.

Selection

Selection will be on first-come-first served basis. The number of participants for the FDP is limited to 30. Candidate selection will be intimated through Email on or before **10.06.2019**