



APJ Abdul Kalam Technological University
sponsored

Faculty Development Program
on

**Applications of Power Electronics
and IoT in Industries**

16th-20th ,January 2023

Organized by

**Department of Electrical and Electronics
Engineering**



College of Engineering Muttathara
(Under CAPE, Govt. of Kerala)
Vallakadavu P.O
Thiruvananthapuram-695008

Eligibility

The program is open to faculty members of any stream of AICTE/KTU approved engineering colleges.

Dates to Remember

Last date of registration :11.01.2023
Selection intimation date : 14.01.2023
Date of FDP: 16-01.2023 to 20.01.2023

How to apply

- The participants are requested to fill the registration form and upload in the registration link or mail to fdpeecem@cemuttathara.org.
- No registration fee.

Registration link:

https://bit.ly/Reg_form_APEII

About the Institution

College of Engineering, Muttathara(CEM), Trivandrum was established in the year 2016 governed by the CAPE(Co-operative Academy of Professional Education).The College is located only 3.5 kms away from heart of the Trivandrum City, Our College inspires the aspirations of generations of knowledge-seekers. Our college offers 5 B.Tech Courses namely Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science & Engineering from the academic year 2016-17 onwards.

About the Department

The Department of Electrical and Electronics Engineering was established in the year 2016 with a sanctioned intake of 60. The department is a center of erudition, where we nurture young talents using new-age information and computer-intensive technologies. The well experienced faculty members and technical staff are dedicated to deliver competent electrical engineers to the arena of the real world. We ensure that the graduated students are outfitted with core technical knowledge as well as professional skills necessary to face the future technological challenges.

Vision

Develop socially and globally competent Electrical Engineers who can build new futuristic world to provide scientific growth and innovative ideas for the betterment of human race.

Mission

- To motivate students for life-long learning thus by professional growth with a solid foundation in Electrical and Electronics Engineering.
- To empower young minds to adapt effective solutions for the technological issues in industries through research activities.
- To mould the students with professional ethics and societal value.

Preamble

In recent years, power electronics have been intensely contributing to the development and evolution of new structures for the processing of energy. Consequently, the design, development, and optimization of power electronics and controller devices are essential to face forthcoming challenges. IoT is the idea of making devices and objects smarter by linking them to the internet. This technology frontier(IoT) with immense engineering applications is the need for today's industry and academia.

Program overview

This FDP is designed to address research advancements in Power conversion topologies and applications in the industry and to encourage academicians towards research and for their Academic Quality Improvement too. This course will offer a unique opportunity to all the participants in the relevant topics in Real Time Power Electronic systems and its applications through theoretical sessions, hands-on training and demonstrations. This program will also aim to introduce the participants to the amazing world of IoT and its fascinating applications in industries.

Course contents

- Recent industrial trends in power electronics applications.
- Embedded control of power convertor.
- Hands on Training on multilevel inverter implementation in FPGA.
- Power electronics application in Electric Vehicles.
- Relevance of Smart metering in Energy measurement.
- Demystifying Internet of Things(IoT).
- Application of Industrial IoT(IIoT).

Resource Persons

- Dr. Dinesh Gopinath ,Govt. Engineering College BartonHill, Thiruvananthapuram.
- Mr. Mohamed Aslam, inQbe innovations Pvt Ltd,Kochi.
- Dr. P. Muthukumar, P. V. P Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh.
- Mr. Yuvaraj B., Hyundai Motors India Ltd., Chennai.
- Dr. Sooraj V.,Tata Elxsi, Trivandrum.
- Dr. Sreekanth Madhavan, Kabani Tech, Shoranur.
- Mr. Akhil V. S., KSEB Ltd.
- Mr. Kiran Babu,CDAC Trivandrum.

Organizing Committee

Chairperson :

Dr. Sreekanth C.

Principal

Convenor :

Mr. Jijo Balakrishnan,

Head of the Department ,EEE.

Coordinators :

Mr. Anas S. R., AP in EEE

(8547981069)

Mr. Shyju K., AP in EEE

(9447332334)

APJKTU Sponsored Five Day Faculty Development Program on

Application of Power Electronics and IoT in Industries
Department of Electrical and Electronics Engineering
College of Engineering Muttathara

REGISTRATION FORM

Name :

Designation :

Department

Institution :

Full address.....

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KTU ID :

Educational qualification:

Mobile number :

Email id :

Declaration

I ,here by declare that the above said details furnished are true to best of my knowledge and belief,also I agree to abide the rules and regulation governing the conduct of KTU sponsored program.

Signature of Participant

Sponsorship Certificate

Certified that Mrs/Ms/Mr/Dr.....is working as.....in Department of of our institution and hereby sponsored to attend the KTU Sponsored FDP on applications of power at college of Engineering Muttathara ,Kerala from 16th -20th January , 2023

Place :

Date:

Signature of Principal with Seal