



*KTU Sponsored  
One Week Faculty Development Programme on*

## **Recent Trends in Power Electronics and Drives**

18<sup>th</sup> to 22<sup>nd</sup> June 2018

Co-ordinators:

**Dr. Mini V. P., Dr. Mayadevi N. & Dr. Hari Kumar R.**



**MATLAB® & SIMULINK®**

**dSPACE**

*Organised by*



*Dept. of Electrical Engineering  
College of Engineering Trivandrum  
Thiruvananthapuram Kerala - 695 016*

*[www.cet.ac.in](http://www.cet.ac.in)*

## About College of Engineering Trivandrum

College of Engineering Trivandrum (CET) was established in 1939 as the first engineering college in the then Travancore state. Over the past 79 years it has grown to the most sought-after institute for engineering studies in the state of Kerala. The College has eight full-fledged engineering departments offering undergraduate, post-graduate and Ph.D. programmes under the A.P.J. Abdul Kalam Technological University (KTU).



Ever since the inception, the college has maintained its commitment to high quality education. It has a vast and strong alumni base, spread across the world.

## About the Department

Department of Electrical Engineering, College of Engineering Trivandrum began its operations along with the establishment of the college in 1939. The department offers an undergraduate B.Tech. programme in Electrical & Electronics Engineering and four M. Tech. programmes (Control Systems, Power Systems, Electrical Machines and Guidance & Navigational Control). The department is recognised as a QIP centre for Ph.D. programme by the MHRD, Government of India.

## Objectives of the Programme

This course is envisaged to inculcate the fundamentals and hardware implementation of power electronic circuits to the teaching fraternity. The participants will get hands on exposure to the simulation and hardware implementation of various power electronic circuits and drives. This course will provide an insight into:

- ◆Recent trends in power electronics and drives
- ◆Space vector PWM techniques for inverters
- ◆Vector control of electric drives
- ◆Simulation of power electronic converters and drives in Matlab
- ◆Introduction to dSPACE for rapid control prototyping and hardware-in-loop simulation
- ◆Introduction to LabVIEW programming
- ◆Data acquisition and control of drives using National Instruments tools
- ◆Application development using LabVIEW with real time examples
- ◆Hands-on practice with National Instruments DAQ.

## Resource Persons

The resource persons consist of faculty members from National Institutes, CDAC, CET and industry.

## Eligibility

The FDP is open for faculty members of APJ Abdul Kalam Technological University affiliated engineering colleges. Faculty members from EEE, EIE and ECE can attend the program. All registered participants will be provided with kit and course material. Participation certificates will be issued to all the participants who have attended the FDP on all days.

## Registration

Fill the online form at <https://goo.gl/zDybCe>. The scanned copy of the signed sponsorship certificate has to be uploaded in the online form. Maximum number of seats is limited to 30 and the selection is based on first come first served basis.

## TA/ Accommodation

Participants have to make their own arrangements for travel, boarding, and lodging. No TA/DA will be paid. Working lunch and refreshments will be provided.

## Important Dates

Last date for receipt of application: **13-06-2018**

Intimation of selection: **14-06-2018**

## Address for Correspondance

Dr. Mini V. P.

Associate Professor in Engineering Engineering,

College of Engineering Trivandrum, Thiruvananthapuram - 695020

e-mail: fdpeecet@gmail.com, Mobile: 9895904715

## Sponsorship Certificate

Certified that Mr./ Ms./ Dr. .... is an employee of this institution and is hereby sponsored for the FDP on **Recent Trends in Power Electronics and Drives** at College of Engineering Trivandrum during 18<sup>th</sup> - 22<sup>nd</sup> June 2018. He/ she will be permitted to attend the course fully, if selected.

Place:

Date:

Name & Signature of the  
sponsoring Authority

(Seal of the Institution)