



Autonomous/Affiliated to Anna University/
Accredited by NBA (EEE, ECE, CSE and IT)
Coimbatore - 641 032

A National level Workshop

on

Recent Trends in Smart Electrical Drives

20.01.2018



Organized by

Department of Electrical and Electronics Engg.
Karpagam College of Engineering (Autonomous)
Coimbatore - 641 032.

'Recent Trends in Smart Electrical Drives'

With increasing growth in the field of Electrical drives, drives has made tremendous contribution in every part of life. This one day national level workshop for Research Scholars, Engineering Faculties, PG and UG students provide the recent technology and issues in the field of Electric Drives. Instead of going for Conventional Drives, people are using Smart Drives now a days. This workshop provides the participants to learn the latest trends in miniature motors.

Smart motor is a motor that will itself work as a sensor. Smart motors are transforming a motor into a sensor, that don't require any additional sensor. The smart intelligent drives, will able to collect the data directly from the motor and no additional sensors will be needed anymore. The data obtained from the motor is being used to determine the health of the drive system. These intelligent motors can be linked through a network operating system, this opens a whole set of new possibilities. The new generation motors are capable of self diagnosing the faults for the power of future.

Miniature motors has reduced size and weight which enhances the efficiency and reliability of the drives. The miniature motors are more comfortable to use and it is a design compact machine. Miniature motors are widely used in Industrial Automation, Aerospace, Clinical diagnostics, Medical Instruments, Security and Industry power tools.

TOPICS:

- Introduction to New Generation Drives
- Sensors for motors
- Smart and Miniature Drives
- Design and analysis of MEMS motors
- Applications of MEMS motors
- Applications of Smart motor drives

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. R. Vasanthakumar
Chairman and Managing Trustee
Karpagam Institutions

PATRONS

Er. K.Murugaiyah
Chief Executive Officer
Karpagam Institutions

Dr. P. Vijayakumar
Principal

CONVENOR

Dr.T.Rammohan
Professor and Head/EEE

CO-ORDINATORS

Dr.G.Venkatesan,
Professor/EEE

Dr. K. Nithiyanthan
Sr. Professor/EEE

[Registration form completed in all aspects is to be sent to:](#)

Co-ordinators

One day national level work shop on
"Recent Trends in Smart Electrical Drives"
Department of EEE
Karpagam College of Engineering
Othakkalmandapam (P.O)
Coimbatore-641 032, Tamil Nadu, India

RESOURCE PERSONS

Industrial Experts and Academicians from reputed Organizations.

REGISTRATION FEE

UG/PG Students

/Academicians/

Research Scholars : Rs 600/-

Industrial Participants : Rs 1000/-

HOW TO APPLY

The Participants can send their duly filled-in registration form to the coordinator along with the Demand Draft in favour of 'The Principal, Karpagam College of Engineering' payable at Coimbatore. The registration fee includes Seminar Materials in CD-Format, Kit, lunch and refreshments.

Accommodation will be provided on chargeable basis in the college premises.

Note: Only 30 Registrations can be permitted with a single DD.

SCHEDULED DATES

Last date for receipt of Application : 10.01.2018

Intimation of selection : 17.01.2018

Confirmation by participants : 20.01.2018

For any other queries contact:

Dr. G.Venkatesan, Prof / EEE –99412 44490

Dr.K.Nithiyananthan, Sr.Prof / EEE – 96776 68181

Mail id: smartdrives18@gmail.com

ABOUT THE DEPARTMENT

EEE Department was started in the year 2002 with a student intake of 60, the present student strength is around 600 with an intake of 180. The department got accredited in the year 2009. The Department has organized many workshops and conferences over the years. The department has well established laboratories in NI sponsored Lab VIEW academy and B & R certified automation centre.

ABOUT THE INSTITUTE

The Karpagam College of Engineering, established in the Year 2000, is an Autonomous Institution, approved by AICTE, New Delhi and Affiliated to Anna University, Chennai. The college offers various Under Graduate Engineering and Post Graduate programmes with over 4500 students and 426 teaching and non-teaching staff, Karpagam College of Engineering strives to impart quality education and an excellent career start to its all its students. The efficient Placement & Training facilities add a feather to its cap by ensuring the students gets placed on campus. The 10 Centers of Excellence strive to impart the practical and experimental exposure to the students and serve as a window to the corporate world.

REGISTRATION FORM

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20.01.2018

Name (in Block Letters) :

Category :

Educational Qualification:

Designation:

Organization:

Department :

Gender:

Age:

Address for Communication :

Mobile Number :

E-mail ID:

Accommodation Required : Yes/No

Payment Details

DD.No:

Amount

Date

Bank Name & Branch:

Signature of the Applicant