

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. R. Vasanthakumar
Chairman and Managing Trustee
Karpagam Institutions

PATRONS

Er.K.Murugaiah
Chief Executive Officer
Karpagam Institutions

Dr. P. Vijayakumar
Principal

CONVENOR

Dr.T.Rammohan
Professor and Head/EEE

CO-ORDINATORS

Dr. C.R. Balamurugan
Professor/EEE

Dr. K. Ramash Kumar
Professor/EEE

Registration form completed in all aspects is to be sent to:

Co-ordinators

Three Days National Level Workshop on
“Matlab/Simulink Based Hands on Training on
Power Engineering and Control Aiding Topologies”
Department of EEE
Karpagam College of Engineering
Othakkalmandapam (P.O)
Coimbatore-641 032, India

ABOUT THE COLLEGE

Karpagam College of Engineering is one of the Institution run by Karpagam Charity trust, established in the Year 2000. The College is an Autonomous Institution, Accredited by NAAC with ‘A’ Grade and 5 of the departments are accredited by NBA. The main focus is to impart quality education and an excellent career start to all our students. The College is approved by AICTE and affiliated to Anna University, Chennai and offers 9UG, 5 PG and 4 Ph.D programmes with over 4500 students. The vision is to become one of the best Institutions at the National and International level by incorporating innovative teaching-learning methods to enable the students to secure a high-value career, motivate to pursue higher education and research to serve the society.

ABOUT THE DEPARTMENT

EEE Department was started in the year 2002 with a student intake of 60, the present student strength is 576 with an intake of 180. The Department is reaccredited by NBA for 2 years in 2015. The Department maintains good Industry Institute partnership and MoUs signed with National Instruments for LabVIEW Academy, B & R Automation, AXIS Global Group of Companies and Hindustan Automation. The department is a recognized Research centre by Anna University since 2011 – 2012. The department has established the Centre for Research Training and Development in the academic year 2014 – 2015, for catering the needs of Students, Faculty and Research Scholars through value added programmes like workshops, seminars and conferences.

Three Days National Level Workshop

on

**“MATLAB/Simulink Based
Hands on Training on Power
Engineering and Control
Aiding Topologies”**

03.01.2018 To 05.01.2018



Organized by

**Department of
Electrical and Electronics Engineering**



OBJECTIVE

The modern power and control systems are becoming more complex and difficult to deal with. Thus, modelling and simulation of such systems with high degree of accuracy is required. This needs an accurate and robust platform for modelling and simulation. MATLAB and SIMULINK is one of the established software package (MATWORKS INC.) widely used across the globe for developing large systems for Engineering and non-Engineering problems. MATLAB is a high-performance language for technical computing. It integrates computation, visualization and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. MATLAB features a family of application-specific solutions called toolboxes.

TOPICS

- Network model for various power systems.
- Smart and micro grid model.
- Hybrid filter, Harmonic Compensation.
- Unit commitment Calculator.
- Multilevel Inverters, Types of Multilevel Inverters.
- Z-Source Inverters, Types of Z –Source Inverters.
- Luo converter, KY converter, Sheppard Taylor Converters, soft switching converters.
- Sliding mode controller, classical controllers, fuzzy logic controller.
- FACTS Devices.
- Embedded Controller.

RESOURCE PERSONS

Industrial Experts and Academicians from reputed Organizations.

REGISTRATION FEE

UG/PG Students	: Rs 1000/-
Academicians/ Research Scholars	: Rs 1500/-
Industrial Participants	: Rs 2000/-

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 FDP Materials in CD-Format, Kit, lunch and refreshment.

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

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

SCHEDULED DATES

Last date for receipt of Application	: 20.12.2017
Intimation of selection	: 22.12.2017
Confirmation by participants	: 25.12.2017

For any other queries contact:

Dr. C.R. Balamurugan, Prof. /EEE -9894522351

Dr. K. Ramash Kumar, Prof. /EEE -9894910778

E-mail: drcrb2015@gmail.com
ramash1210@gmail.com

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REGISTRATION FORM

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