

ABOUT THE WORKSHOP

Power converters are employed in a variety of applications, including power supplies for personal computers, office equipment, spacecraft power systems, laptop computers, and telecommunications equipment, as well as electric motor drives. This course deals about the Converter Design, Controller Design and simulation of the basic converters. In the past few years, power electronics area has grown considerably. It is due to development of switching devices, magnetic components, control techniques, etc. This workshop is organized with an aim to learn and implementation aspects of Power Electronics systems to the Engineering/diploma students. The course will cover hands-on exercises of simulations of power electronics circuits. The course will be beneficial to the students during their projects. This workshop is intended to cover certain specific application areas where there is increasing demand for converter topologies for solar, wind energy system, micro grid, smart grid, Plug-in Hybrid Vehicle, HVDC, EHVAC, etc. The aim of this workshop is to deal with the development of power electronics circuits and renewable energy systems using MATLAB & PSIM.

BOARDING & LODGING

Lunch will be provided for all participants. Accommodation will be provided on request of participants at a nominal cost.

TOPICS TO BE COVERED

- ❖ Introduction to Power Electronics
- ❖ Introduction to MATLAB and PSIM
- ❖ Introduction to DC/DC Converters
- ❖ Simulation of DC/DC Buck & Boost Converters
- ❖ Converter design for Renewable Energy Sources
- ❖ Closed Loop control of Power Electronic Converters
- ❖ Application of Converters in DC & AC Drives
- ❖ Recent trends in Converter design
- ❖ Future scope in Converter design

RESOURCE PERSONS

Experts from reputed industries and academic institutions will handle the workshop.

ELIGIBILITY

Students & faculties from various Engineering Colleges and Polytechnic Colleges.

REGISTRATION FEE

- ❖ Filled in registration form should be submitted to the college address or e-mail given in Address for communication.
- ❖ Registration fee may be paid through Demand Draft in favor of “**AAA College of Engineering and Technology**” payable at **Sivakasi** for the amount of Rs.300/-.

IMPORTANT DATES

Starting Date for application	: 10.07.2018
Last date for receipt of application	: 10.08.2018
Intimation of selection	: 11.08.2018

AAA COLLEGE OF ENGINEERING AND TECHNOLOGY

**Department of Electrical & Electronics
Engineering**

TWO DAYS NATIONAL LEVEL TECHNICAL
WORKSHOP ON

**SIMULATION OF POWER ELECTRONIC
CONVERTERS USING MATLAB & PSIM**

16.08.2018 & 17.08.2018

REGISTRATION FORM

Name (In Block Letters): _____

Designation: _____

Branch : _____

College Name : _____

Address : _____

E-Mail : _____

Mobile No : _____

Payment Details:

DD Number: _____

Date: ____/____/____

Bank Name:

Branch:

Place :

Date :

Signature
of the applicant

Signature of the
Sponsoring Authority with office seal

PATRON

Dr. P. Karvannan, Secretary

Dr. P. Ganesan, Correspondent

Er. K. Vignesh Kumar, Joint Secretary

PRESIDENT

Dr.M.Sekar, M.E., Ph.D., FIE.,

Principal

CONVENER

Dr. C.Senthil Kumar, M.E., M.B.A., Ph.D.,

Professor & Head

COORDINATORS

Mr. R. Ganesan

Assistant Professor/EEE

Mr.S.Saravanan

Assistant Professor/EEE

Mr. C. Karuppasamy

Assistant Professor/EEE

ADDRESS FOR COMMUNICATION

The Coordinator,

Department of Electrical and Electronics Engineering,

AAA College of Engineering & Technology,

Kamarajar Educational road,

Amathur-626 005,

Sivakasi.

Mobile: 08015461676, 09952292999

Email : ckaruppasamyeee@gmail.com

**For more information about the
workshop visit our college website
@ <http://www.aaaenggcoll.ac.in>**

ABOUT OUR COLLEGE

AAA College of Engineering and Technology, Sivakasi is one among the renowned colleges for technical education in the Crackers City. It is branded for its quality education, promoted by Sony-Vinayaga group of Industries. Aspire, Attain, Achieve is its motto. The college is managed by Panjurajan-Amaravathy Trust located at Thiruthangal, Virudhunagar District. Our college has been fortunate to have the guidance of proficient management members with foresight and far reaching vision to inculcate innovation and completeness among students in all aspects. Shri.P.Panjurajan, Dr. P. Karvannan and Dr.P.Ganesan & Er.K.Vignesh Kumar, BE.,MBA(UK) serve as the Chairman, Secretary, Correspondent and Joint Secretary of the college respectively. Dr.M.Sekar, M.E.,Ph.D.,FIE, Principal is instrumental in the planned growth of the institution.

ABOUT THE HOST DEPARTMENT

The Department of Electrical and Electronics Engineering has been structured in terms of well experienced 12 faculties and well equipped laboratory facilities. Two Faculties are doctorates and three faculties are pursuing Ph.D. The department encourages the students and faculty members to participate in various co-curricular and extracurricular activities. Every year the department organizes various workshops, symposium, guest lectures and value added courses for the welfare of the students. It will equip the students with knowledge of cutting edge technologies and give them adequate hands-on experience. The department motivates the students to do innovative projects in Industry and to attend many Seminars, Workshops and so on.



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ON

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CONVENER

Dr. C.Senthil Kumar, Professor & Head

COORDINATORS

Mr. C. Karuppasamy, AP/EEE

Mr.R.Ganesan, AP/EEE

Mr.S.Saravanan, AP/EEE



**Organized by
Department of Electrical & Electronics
Engineering,
AAA College of Engineering and Technology,
Kamarajar Educational road,
Sivakasi-626 005.**