

**ONE DAY WORKSHOP ON FILTER  
DESIGN AND THD ANALYSIS FOR  
AC-DC CONVERTER USING MATLAB**

27<sup>th</sup> September 2019

**REGISTRATION FORM**

Name : \_\_\_\_\_

Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Institution / Organization: \_\_\_\_\_

\_\_\_\_\_

Communication Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Contact No.: \_\_\_\_\_

Email Id: \_\_\_\_\_

Accommodation Needed : YES / NO

**Payment Details:**

DD No. : \_\_\_\_\_ Date: \_\_\_\_\_

Bank & Branch : \_\_\_\_\_

Amount: \_\_\_\_\_

(Rs. \_\_\_\_\_)

Signature of the Participant

**Declaration:**

Mr./Ms./ \_\_\_\_\_

Belongs to our institution and will attend  
the Workshop on 27<sup>th</sup> September 2019.

Signature of the Head of the  
Department/Institution With seal

**ABOUT THE WORKSHOP**

Simulation is an essential ingredient in the analysis and design process of power electronics and electric drives. It helps the design engineer to have a better understanding of the circuit operation and possible problems can be discovered in early phase of design process, resulting with adequate financial benefits. This workshop presents the design of filter and THD for power electronic converters using MATLAB which includes AC/DC converters. The prime aim of the workshop is to facilitate the participants in an elegant manner about the software tools and provide hands on sessions related to the simulation circuits for various topologies of power converters and its filter design.

**TOPICS TO BE DISCUSSED**

- About Power Electronics Converter.
- Impact of THD in a converter and its filter design.
- Hands-on training for AC –DC converter with filter design and THD analysis using MATLAB Simulink.

**ORGANIZING COMMITTEE**

**Chief Patron**

**Dr. K. Ramakrishnan, Chairman,  
K. Ramakrishnan Group of  
Institutions**

**Patron**

**Dr. S. Kuppusamy, Ph.D.,  
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Principal, KRCT**

**Convener**

**Dr.A.Rajkumar, ME., Ph.D.,  
HOD/EEE, KRCT**

**Coordinator**

**Mr. R.Ramkumar, M.E., (Ph.D)  
Assistant Professor/EEE,  
KRCT.**

**Co-Coordiators**

**Mr. R. Jai Ganesh ,M.E., (Ph.D)  
Assistant Professor/EEE,  
KRCT.**

**Mr. A.T.Sankara Subramanian, M.E., (Ph.D)  
Assistant Professor/EEE,  
KRCT.**

**RESOURCE PERSONS**

**Mr. R. Jai Ganesh, M.E., (Ph.D)  
Mr. A.T.Sankara Subramanian ,M.E., (Ph.D)  
Assistant Professor/EEE,  
KRCT.**

**ADDRESS FOR COMMUNICATION**

**The Convener,  
Department of EEE,  
K.Ramakrishnan College of Technology,  
Samayapuram, Trichy – 621 112.  
Phone No: 9944218960, 8610707349  
Mail Id: ramkumarr.eee@krct.ac.in**

## ABOUT THE INSTITUTION

K.Ramakrishnan College of Technology (KRCT) is located at Samayapuram, the temple town of Tiruchirappalli District. This college was established in the year 2010 by K. Ramakrishnan Education Charitable Trust. It is approved by AICTE New Delhi, affiliated to Anna University Chennai, accredited by NAAC with A+ grade and Certified by ISO 9001:2015 The college was founded with the noble aim of imparting growth by revamping & sharpening the technical knowledge and skills of the students. The college maintains high standards in education, provides a wide array of world class academic facilities, employs highly qualified and experienced faculty. The college is committed to provide quality education for the mission: "Education should end with employment".

## ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engg of K.Ramakrishnan College of Technology was established in the year 2010. The young and energetic team of faculties and the dynamism shared by the students of the department have helped in lifting our pride and honor as best among the college. The department is providing a four year full time Under Graduate course of Bachelor of Engineering in Electrical and Electronics Engineering and a two year full time Post Graduate course of Master of Engineering in Power Electronics and Drives.

## IMPORTANT DATES

Registration Deadline : 21.09.2019

Registration Confirmation: 23.09.2019

## REGISTRATION FEE

UG/PG Student : Rs.300 /-

Faculty / Researcher : Rs.500 /-

IEI Students members\* : Rs.200 /-

The Registration fee should be paid through **DD** drawn in favour of "**The Principal, K.Ramakrishnan College of Technology**" payable at Trichy.

## ELIGIBILITY

- Faculties from Electrical Engineering.
- UG/PG Students.
- Research Scholars.

## CONDITIONS

- ✓ Participants are limited to 50 members.
- ✓ Spot registration is not permitted.
- ✓ Participants are requested to bring their laptop.

## ACCOMMODATION

Accommodation will be provided in the college campus for the delegates on prior requisition

*\*IEI members bring membership card as proof*

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27<sup>th</sup> September 2019

*Organized by*



DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING

**K.RAMAKRISHNAN  
COLLEGE OF TECHNOLOGY**

(Affiliated to Anna University, Approved by AICTE  
Accredited by NAAC with A+ Grade,  
Certified by ISO 9001:2015)  
Samayapuram, Tiruchirappalli,  
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[www.krct.ac.in](http://www.krct.ac.in)

*In association with*

**The Institution of Engineers (India)**

**Center Code: 621112/KRCT/EE**

