

**IEEE Sponsored Three Days  
National level workshop  
on  
DESIGN,OPTIMIZATION &  
ANALYSIS OF ELECTRICAL  
MACHINES**

**08<sup>th</sup> to 10<sup>th</sup> May 2019**

**REGISTRATION FORM**

Name:  
Designation:  
Department:  
Affiliation / Organization:  
Educational Qualification:  
Postal Address :  
  
E-mail Id :  
Mobile Number:  
DD No. & Date:  
Name of the Bank:

Signature of the Applicant

Signature of the Organisation Head with seal:

[Photocopy of the registration form may also be used for additional registration]

**ORGANIZING COMMITTEE**

**PATRONS**

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M.A., M.B.A., Ph.D.,  
Chairman

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**Dr. D.Kirubakaran M.E., Ph.D.,**  
**Dr. S.Hemalatha, M.E., Ph.D.,**

**CO-ORDINATORS**

**Dr.A.Ramesh Kumar M.E., Ph.D.,**  
**Ms.M.R.FaridhaBanu M.E.,**  
**Mr.I.Cephas M.E.,**  
**Mr.S.Karthick M.E.,**

<b>COLLEGE BUS</b>	<b>ROUTE NO.</b>	<b>TIMING S</b>
CENTRAL	22	6.15 AM
TAMBARAM GATE	44	6.40 AM
KOYEMBEDU	12	6.10 AM

*For Further Correspondence Contact*  
**Dr. D.Kirubakaran, HoD/EEE**  
**St. Joseph's Institute of Technology,**  
**Chennai-600 119, Tamilnadu.**  
**Email:sjiteee@gmail.com**  
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<http://www.stjosephstechnology.ac.in>

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**Organized by**



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**St. Joseph's Institute of Technology**  
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*Department of Electrical and  
Electronics Engineering*

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## About the Department

The Department of Electrical and Electronics Engineering was started since the inception of college in August 2011. The Department consists of 6 Doctorates out of 22 well qualified faculties specialized in various disciplines with vast teaching experience.

The Department has undertaken research projects and provides consultancy services to needy industries. The Department has signed MoU's with various industries and also associates with centre of Excellence for Robotics and Automation, Solar PV system and Power Electronics.

## About the Program

Finite Element Method (FEM) is one of the popular methods in the design and analysis of electrical machines. Finite element analysis methodology nowadays has been incorporated in to commercial CAD packages. This workshop aims to introduce the rudiments of finite element method and its application in the analysis of electrical apparatus. The salient features of the electromagnetic field analysis CAD package MagNet will be introduced. The application of MagNet software in the analysis of static and dynamic electrical machines will be demonstrated. Hands on sessions will enable the participant to acquire proficiency in the operation of CAD package. It also covers optimization for design parameters of electrical machines. The learning experience through this workshop will motivate the participants to explore further in this exciting field.



## Course Content

- FEM based analysis of electrical machines
- 2D Electromagnetic & Thermal Analysis
- 3D Electromagnetic & Thermal Analysis
- Design optimization of electrical machines
- Tutorials

## Eligibility

Students, research scholars and faculty from Engineering Colleges, Polytechnics.

## Registration fees

- For Student / Faculty : Rs. 750/
  - For Industry delegates: Rs. 1000/-
  - For IEEE Members : Rs 500/-
- Demand Draft drawn in favour of "St. Joseph's Institute of Technology" payable at Chennai from any nationalized bank.

## Scheduled Dates

- Last date for Receipt of Applications : **01.05.2019**
- Intimation of Selection (by Mail) : **03.05.2019**
- Confirmation by Participants : **06.05.2019**