

AICTE Sponsored One Day Seminar
on
“Electric Drives and Challenges of Electric Transportation”
(In Collaboration with Indian Railways and ABB)

12th December, 2017

REGISTRATION FORM

Name :
Institution :
Is the Institute approved by AICTE: Yes / No
Designation :
Department :
Educational Qualification :
Specialization :
Communication Address with PIN :

Mobile No. :
Email ID :
Accommodation Required : Yes / No

Payment Details

DD No. :
Bank :
Amount :
Date :
Place :

Applicant's Signature

Signature of HoD/ Principal

Registration

The structure of the registration fee for various types of participants is given below.

Faculty from AICTE approved Institutions Rs. 500* /-

Participants from Industry/R&D Organization Rs. 1000 /-

***The fee will be refundable**

Accommodation will be provided at extra cost in college hostels on request. The registration fee should be paid in the form of Demand Draft drawn in favour of **“The Principal, KCG College of Technology, Chennai”**, payable at Chennai.

Important Dates

Last date for receipt of application form with DD: **10.11.2017**
List of selected participants will be informed through mail: **17.11.2017**

Address for Communication

The duly filled application form is to be sent to :
Mr. P. S. Mayurappriyan
Professor/EEE
Mobile: 94430 92355
Email id: mayurappriyan.eee@kcgcollege.com

Ms. A.V. Suganya
Assistant Professor/EEE
Mobile: 99446 95905
Email id: suganya.eee@kcgcollege.com

Mr. N. Loganathan
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KCG
COLLEGE OF TECHNOLOGY
(A Unit of Hindustan Group of Institutions)



Affiliated to Anna University and Approved by AICTE, New Delhi
An ISO 9001 - 2008 Certified Institution and Accredited by NBA



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Organized by
Department of
Electrical & Electronics Engineering



KCG Nagar, Rajiv Gandhi Salai (OMR), Karapakkam, Chennai - 600 097
Toll Free:1800 425 44 38 | www.kcgcollege.ac.in

About the College

KCG College of Technology (a unit of Hindustan Group of Institutions) was found in 1998 to fulfil the Founder-Chairman, Dr. KCG Verghese's vision of "Making Every Man a Success and No Man a Failure". The College is affiliated to Anna University, Chennai and approved by AICTE, New Delhi. The College has been certified as an ISO 9001 : 2008 Institution and five programmes (EEE, ECE, CSE, IT and Mechanical) are accredited by NBA. The college is providing excellent infrastructure, and progressive outlook, in order to achieve high academic standards and performance. The college has established Centre for Excellence in Engineering to actively involve in Research and Development. The campus is spread over 50 acres at Karapakkam which is about 10 km from Adyar on the Old Mahabalipuram Road, the IT corridor of Chennai.

About the Department

The Department of Electrical and Electronics Engineering (EEE) has been functioning since 1998. The department offers under graduate programme in Electrical and Electronics Engineering and post graduate programme in Power Electronics and Drives covering all areas of Electrical and Electronics Engineering such as Electric Power Transmission and Distribution, Electrical Machines, Control & Automation, Power Systems, Power Electronics, Digital Systems & Integrated Circuits and Computer Technology. The department is recognised as Research Centre for pursuing research under Ph.D. and M.S. (By Research) programmes. The department also actively involved in doing many funded projects worth over crore rupees from DST, NIWE, CVRDE, IEI, Hitachi etc. The department also maintains an active interaction with the industries and over 20 MoU's have been signed with leading industries to develop state – of – the – industry skills and make students industry ready. We are an affiliated training partner of Skill Council for Green Jobs – National Skill Development Corporation.

About the Seminar

Indian Railways has gone extensively for electric traction since 1995. They have in their rolling stock over 8000 electric locomotives, having motor ratings between 3MW to 5MW. Indian Railways contemplates introducing superfast trains apart from electrifying more tracks. The demand for electric traction grows manifold. With the introduction of Electric Multiple Units (EMUs) and Metros in all major cities, there is necessity to study in detail the operation of electric locomotives. Major suppliers for this electric drives and track electrification are BHEL, ABB and ALSTOM (GE Power). So this seminar will provide an opportunity for the Faculty members, Research scholars, and Post Graduate students to update their knowledge on the current scenario. The operating problems like voltage dips, harmonics, poor power factor and suggestions to mitigate/solve the above issues will be discussed. The seminar will provide Industry Institute Interaction platform for both the participants and the eminent speakers from Indian Railway (IR) / CG / ABB / ARC / BTIL.

Outcomes of the Seminar

- This seminar will help to identify the problems faced by electric traction in Indian Railways and get suggestions from experts to solve the same.
- Provides opportunity to meet the experts, gain knowledge and analyze the drawbacks in electric traction caused by wide voltage fluctuations, poor power factor, and lower order harmonics.
- Enhance Industry Institute Interaction and the academicians will gain knowledge in the field of electric locomotives for upgrading their level of research.
- The academicians will be able to share the acquired knowledge with the student community there by creating awareness to the current scenario.

Organizing Committee

CHIEF PATRONS

Dr. Elizabeth Verghese, Chairperson
Dr. Anand Jacob Verghese, Director & CEO
Dr. Annie Jacob, Director

PATRONS

Dr. G. Prabhakaran, Principal
Dr. Sumathi Poobal, Professor & Vice Principal

CONVENER

Dr. P. Deiva Sundari, Professor & Head / EEE
Mr. P. S. Mayurappriyan, Professor/ EEE

ORGANIZING SECRETARIES

Ms. A.V. Suganya / Assistant Professor / EEE
Mr. N. Loganathan / Assistant Professor / EEE

Resource Persons

Mr. S. K. NATARAJAN

Senior Divisional Electrical Engineer
Indian Railways.

Mr. OSTWAL SANJAY

DGM Technology
CG PISL (Formerly Crompton Greaves)

Mr. PRADIP L SAVALIYA

Product Manager
Traction Converter-ABB.

Mr. V. SADASIVAN

Co-Founder & Director (Technical)
Advanced Rail Controls Private Limited.

Eligibility

Faculty and research scholars from engineering colleges working in electrical sciences are eligible. Interested practising engineers from industries may also apply. The number of seats is limited to 75 and selection is based on first come first serve basis.