

REGISTRATION FORM:

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IEEE Member : Yes / No

(If yes enclose photocopy of membership card /intimation mail from IEEE)

Reg. Fee :

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Accommodation : Yes / No

Note: The Bank DD shall be drawn in favour of IEEE Madras Section, payable at Chennai.

Date: **Signature of the Applicant****Signature of the Head of Institution**Complete Registration form along
with demand draft to be sent to**IEEE Madras Section**Room No. 3, ISTE Professional Centre,
Gandhi Mandapam Road, Chennai - 600 025**Contact persons for the program****Dr. N. KUMARAPPAN**

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**IEEE MADRAS SECTION
&
IEEE CIS MADRAS CHAPTER****Faculty Development Program***Course Title***Soft Computing and Simulation for
Power Engineering***Dates***8th & 9th May 2014***Co-ordinators***Dr. N. Kumarappan
Dr. S. Suyambazhahan
Dr. G. Umarani Srikanth***Venue***S.A. Engineering College
Poonamallee-Avadi Main Road,
Thiruverkadu,
Chennai- 600 077***Organized by***IEEE MADRAS SECTION,
IEEE CIS MADRAS CHAPTER
&****IEEE Student Branch
S.A. Engineering College***Contact Address***IEEE MADRAS SECTION**
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About the IEEE

The Institute of Electrical and Electronics Engineers Inc. (IEEE), a non profit organization, is the world's leading professional association for the advancement of technology. IEEE offers a wide range of learning, career enhancement, and employment opportunities within the engineering sciences, research and other technology areas.

The goal of these programs is to ensure the growth of skill and knowledge among professionals and to foster individual commitment to continuing education among IEEE members, the engineering and scientific community and the general public. IEEE provides various university and corporate partner programs, online learning resources and certificate programs through its continuing education offerings for students and professionals. These continuing education offerings also provide access to technical courses at conferences and section meetings, society education programs and various print materials. The IEEE has more than 377,000 members in 160 countries. The IEEE publishes more than 1,000 leading-edge conference proceedings every year, which are recognized by academia and industry worldwide as the most vital collection of consolidated published papers in electrical engineering, computer science and related fields. Student branches provide an opportunity for student members to begin networking in their areas of interest and future profession. There are nearly 2,000 student branches in 80 countries at various educational institutions.

IEEE Madras Section

IEEE Madras Section came into existence in 1973 and has crossed its silver jubilee year. IEEE Madras Section has an active membership of 1786 life/ senior members/ members. The student membership is around 2162. The IEEE Madras Section conducts technical lectures, symposiums and conferences by eminent personalities from several fields. Recently IEEE Madras Section has inaugurated the IEEE CIS Madras Chapter.

The section is concerned about the welfare of the students in this part of the country and wants to improve the teaching learning process in the Engineering Colleges and Universities. With this in mind, the section is organizing Faculty Development Programme (FDP) for the teaching faculty members of Engineering Colleges and Universities in Tamilnadu, India.

About the Faculty Development Programme

Teaching-Learning is an important process in academic institutions. Transfer of knowledge takes place from the teacher to the students only when the teaching is effective. The young teachers need orientation and training in effective teaching. As a service to the teaching community in the engineering institutions, the IEEE Madras Section and IEEE CIS Madras Chapter in association with IEEE Student Branch, **S.A.Engineering College, Chennai** is organizing a Faculty Development Programme (FDP) on the topic "**Soft Computing and Simulation for Power Engineering**". These two days FDP will be an excellent opportunity to listen to the experts in this field and also to discuss about the underlying intention in areas applications. It has become important for the educators and practicing Engineers, to continuously update their knowledge and skills in evidence-based practice strategies, small group facilitation, active lecturing, and the productive use of technology which also helps the researchers and faculty members to update their research skills.

Course Contents:

Soft Computing:

- Fuzzy logic based load frequency control
- ANN Based Power Dispatch
- GA based unit Commitment

Simulation:

- Performance analysis of buck and boost converter using PSCAD
- Load flow analysis using ETAP

Participants

Faculty from a Technical Universities/Engineering Colleges of Tamilnadu can participate. The objective of the course is to impart the ability to communicate better with the students.

Course Fee

There is course fee of Rs.500/- for IEEE members and for non-members Rs. 1000/-. The fee includes course kit and lunch. The number of seat is limited and the participant will be chosen on a first come- first-serve basis.

Accommodation

Boarding and lodging will be provided in the Institute Hostels on chargeable basis on request.

Schedule

The course on "**Soft Computing and Simulation for Power Engineering**" is proposed to be held **on 8th and 9th May 2014**. The program will be for two days consisting of 5 theory sessions with maximum duration of 1 hour 30 minutes and 5 hands-on training sessions with maximum duration of 1 hour.

Important Dates

Last Date for Registration : 3-05-2014
Date of Intimation of Selection : 5-05-2014
(Intimation through E-mail)

Resource Persons

- **Dr.N.Kumarappan**
Professor of Electrical Engineering, Faculty of Engg. & Tech. Annamalai University, Annamalai Nagar, Chindabaram.
- **Mr.M. Venkateshkumar**
Assistant Professor, Department of EEE, Saveetha University, Chennai.
- **Dr.A. Manju**
Professor and Head (EST), S.K.P. Engineering College, Tiruvannamalai.
- **Mr. R. Arulraj**
Research Scholar
Department of Electrical Engineering,
Annamalai University, Annamalai Nagar.

How to reach the S.A. Engineering College, Chennai?

S.A. Engineering College is located on the highway from Poonamallee to Avadi High Road at a distance of about 1 km from Poonamallee Bye Pass road of the Chennai-Bangalore National Highway (NH4), 2kms from Saveetha Dental College and at a distance of 20kms from Chennai Central railway station. For details contact: Dr.G.Umarani Srikanth, Professor, Department of PG Studies, S.A.Engineering College, Chennai (9840268061).