

About the IEEE

The Institute of Electrical and Electronics Engineers Inc. (IEEE), a nonprofit 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 1978 and has crossed its silver jubilee year. IEEE Madras Section has an active membership of 1448 life/senior members/ members. The student membership is around 5541. The IEEE Madras Section conducts technical lectures by eminent personalities from several fields, symposiums and conferences.

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.

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, IEEE Madras Section in association with IEEE Student Branch, Akshaya College of Engineering and Technology, Coimbatore is organizing Faculty Development Programme (FDP) on the topic of **Soft Computing Techniques in Electrical Sciences Recent Perspective**. This two day FDP will be an excellent opportunity to listen to the experts in this field and also to discuss basics and advanced concepts of soft computing techniques applied to electrical sciences and will explore new directions in their applications to engineering and industry. Further this programme comprises of lecture cum 'hands-on' training in soft computing techniques. It has become important for the educators and practicing engineers, to continuously update their knowledge and skills in soft computing techniques which also helps to researchers and faculty members to update their research skills.

Course Contents

Soft Computing Techniques is a new emerging discipline that is designed to deal with recent perspective of electrical sciences. Soft Computing Techniques is the mixture of the disciplines of AI techniques like Particle Swam optimization, Ant Colony Optimization and other intelligent computing techniques.

- Computational intelligent tools
- Introduction to PSO and ACO
- Usage of Particle Swam optimization and Ant Colony Optimization techniques
- Genetic algorithm
- Hybrid soft computing techniques
- Application in power system and power electronics

Participants

Faculty from any Technical Universities / Engineering Colleges of Tamilnadu can participate. The

objective of the course is to impart the ability to communicate better with 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 Techniques in Electrical Sciences Recent Perspective" is proposed to be held on 30th June and 1st July 2012. The program will be for two days with 4sessions theory, each of maximum one and half hour and 4 sessions hands on training, each of maximum one and half hours.

Important Dates

Last Date for Registration: 25-06-2012

Date of Intimation of Selection: 26-06-2012

(Intimation through E-mail)

Resource Persons

Dr.N. Kumarappan

Professor of Electrical Engineering
Annamalai University

Dr.T.Thiyagarajan

Professor of Instrumentation, MIT
Anna University, Chennai

Dr. S. N. Deepa

Associate Professor & Head of EEE
Anna University of Technology, Coimbatore

Dr.T. Aruldoss Albert Victoire

Associate Professor of EEE
Anna University of Technology, Coimbatore

How to reach the ACET Coimbatore?

Akshaya College of Engineering and Technology is situated in Kinathukadavu, Coimbatore, 25 km away from Coimbatore Railway Junction and 29km from City bus-stand. Buses are available for every 5 minutes from Ukkadam Bus Stand.



REGISTRATION FORM

Name :
Designation :
Organization :
Contact Address :
Email :
Tel. / Cell No. :
Reg. Category :
IEEE Member : Yes / No
(If yes enclose photocopy of membership card)
Reg. Fee :
DD No. :
Date :
Bank :
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 Details for Course

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IEEE MADRAS SECTION



Course Title:

**Soft Computing Techniques in
Electrical Sciences - Recent Perspective**

Date

30th June & 1st July 2012

Co-ordinators

**Dr. N. Kumarappan
Prof. S. Elangovan**

Venue:

**AKSHAYA COLLEGE OF
ENGINEERING AND
TECHNOLOGY, COIMBATORE**

Organized by

IEEE MADRAS SECTION
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