

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 1973 and has crossed its silver jubilee year. IEEE Madras Section has an active membership of 2692 life/senior members/ members. The student membership is around 8400. The IEEE Madras Section conducts technical lectures, symposiums and conferences by eminent personalities from several fields.

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, the IEEE Madras Section in association with IEEE Student Branch, National Engineering College, Kovilpatti is organizing a Faculty Development Programme (FDP) on the topic "A Research Perspective issues on Human Computer Interaction (HCI)=Ubiquitous + Pervasive + Haptic Technologies". This 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 such as haptic interaction and pervasive / ubiquitous computing is to develop technology that makes it possible for users to interact with a computer based interface in a way that feels more natural to them a development that recently also has reached the Human computer Interaction in Various applications society. It has become important for the educators and practicing engineers, to continuously update their knowledge and skills in soft Human Computer Interactions (HCI) which also helps the researchers and faculty members to update their research skills.

Course Contents:

Day 1- Date: 30.11.2012

- Ubiquitous Introduction
- Introduction, Overview, and History of ubicomp
- Advance Prototyping
- Emerging application themes
- Low power and wireless power transfer systems
- Home health and elder care
- Input for ubicomp
- Evaluation techniques
- Security and privacy
- Pervasive Computing
- Pervasive Introduction
- Pervasive devices
- Working of Pervasive devices
- Research Perspectives

Day 2- Date: 01.12.2012

- Haptic Introduction
- Haptic Devices
- Working of Haptic devices
- Architecture of Haptic feed back
- Research perspectives

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 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 "A Research Perspective issues on Human Computer Interaction (HCI)=Ubiquitous+ Pervasive+ Haptic Technologies" is proposed to be held on 30th November and 1st December 2012.

Important Dates

Last Date for Registration: 26-11-2012

Date of Intimation of Selection: 27-11-2012
(Intimation through E-mail)

Resource Persons

Dr. S. Radha Krishnan

Sr. Professor of computer science & Engineering
Kalasalingam University

Dr. V. Kavitha

Director, University college of Engineering, Nagercoil

Dr. R.M. Chandra Sekar

Professor, Computer Science and Engg, Annamalai University

Dr.M. Sunganthi

Professor of ECE, Thyagarajar College of Engineering, Madurai

Dr. M.K. Kavitha Devi

Assistant Professor, Dept. of Information Technology, Madurai.

Dr. V. Vaidehi

Professor, Dept. of Electronics, MIT Campus,
Anna University, Chennai.

How to reach the National Engineering College?

National Engineering College is situated at Kovilpatti, Tuticorin District, in NH7 between Madurai and Tirunelveli. College is 4km from Kovilpatti bus-stand and 50 km away from Tirunelveli Railway Junction. Buses are available for every 5 minutes from Kovilpatti Old Bus Stand.



REGISTRATION FORM

Name :
Designation :
Organization :
Contact Address :
Email :
Tel. / Mobile No. :
Reg. Category :
IEEE Member : Yes / No
(If yes enclose photocopy of membership card / intimation mail from IEEE)
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:

**A Research Perspective issues on Human
Computer Interaction (HCI) =Ubiquitous+
Pervasive + Haptic Technologies**

Date

30th November & 1st December 2012

Co-ordinators

**Dr. N. Kumarappan
Dr. B. Paramasivan
Dr. M. Willjuice Iruthayarajan**

Venue:

**NATIONAL ENGINEERING COLLEGE
Kovilpatti**

Organized by

**IEEE MADRAS SECTION
Room No. 3, ISTE Professional Centre
Gandhi Mandapam Road, Chennai- 600 025
&**

**IEEE Student Branch
National Engineering College**

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