

Course Outline:

- Issues and Challenges in Wireless Networks
- Cross Layer Design
- Software Defined Radio System
- Ad Hoc and Sensor Networks
- Cellular and WLAN Integration
- MIMO in 3GPP-LTE
- Heterogeneous Network Compatibility
- Step Towards 4G System

Address for Correspondence:

To

The Course Coordinator,
“Two Days Workshop on Wireless Communication Technologies and Research Issues”,
Department of ECE,
Thiagarajar College of Engineering
Madurai 625015.

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Participants:

This workshop is addressed to Engineering Faculty, Research scholars, students and engineers from industry who are working in the area of Wireless Communications. The workshop is designed in such a way that the theoretical concepts would be applicable to the modern trends and research issues.

Details of Registration:

Filled in application form should be accompanied by a Demand Draft of **Rs.1, 500/-** (Rupees Thousand five hundred) for industry participants and **Rs.1, 000/-** (Rupees One Thousand only) for faculty, drawn in favor of “**The Principal, Thiagarajar College of Engineering, Madurai**”, payable at Madurai. The registration fee includes the course material, working lunch and snacks for two days.

Last Date for Registration: 23.10.2011

TWO DAYS WORKSHOP ON Wireless Communication Technologies and Research Issues (October 28- 29, 2011)



Organized by

Department of
Electronics & Communication
Engineering

**THIAGARAJAR COLLEGE OF
ENGINEERING.**

Madurai – 625 015

Course Coordinators

Dr. (Mrs). R.Sukanesh

Dr (Mrs). M. Suganthi

COLLEGE:

Thiagarajar College of Engineering (TCE), Madurai, an ISO 9001:2000 certified institution, affiliated to Anna University, is one among the several educational and philanthropic institutions founded by Late. Shri Karumuttu Thiagarajan Chettiar, established in 1957. This Govt. aided institution was granted autonomy in 1987 and is accredited by National Board of Accreditation (NBA). TCE offers 7 undergraduate (UG), 13 postgraduate (PG) and Doctoral programmes in Engineering and Science.

ECE DEPARTMENT:

Department of Electronics and Communication Engineering offers an UG programme in Electronics and Communication Engineering and PG programmes on Communication Systems and Wireless Technologies. This DST FIST supported department has completed 14 research projects with research organizations like DRDL, RCI, DEAL, BrahMos Aerospace and ISRO and consultancy works for companies like Motorola, Honeywell, Texas Instruments, TVSICS, Amphenol Antel, in Wireless Communication system. The department has also established National Instruments Electronics system Design lab using Educational Laboratory Virtual Instrumentation suite. The laboratory

facilities in this department include vector network analyzer, vector signal analyzer, NI IF RIO boards, NI RF and Communications platform, Speedy 33 DSP kits, ASIC prototyping boards and OMAP 1510 kit code compose studio.

COURSE GOAL

Wireless Communication is one of the fastest growing fields in the modern-day technology world. Wireless technology has many challenges. Scarcity of radio spectrum, propagation path-loss due to diversity of propagation media and bit-error are dominant issues. However, the greatest achievement of wireless communication system is the support for personal mobility. This has evolved as the base of mobile communication. The growth of wireless technology continued with the successive introduction of 1G, 2G, 3G and 3G beyond cellular systems, to enable a person to communicate any time any where and in any form. The ultimate target is the compatibility of various communication platforms. In the near future the use of WiMAX with the Internet, Software Defined Radio, Cognitive Radio, Ad Hoc and Sensor Networks are the promising technologies geared to bring the wireless and internet revolution to portable devices across the globe.

REGISTRATION FORM

**Two Days Workshop
On
Wireless Communication
Technologies and Research Issues
(October 28- 29, 2011)**

Department of ECE

THIAGARAJAR COLLEGE OF ENGINEERING

Name: -----

Qualification: -----

Designation: -----

Address for Correspondence: -----

E-mail ID: -----

Mobile Number: -----

Experience (if any): -----

Details of Demand Draft:

DD. No& Date: -----

Amount: -----

Place:

Date: Signature