

**TWO WEEK FDTP  
ON  
IT6601 - Mobile Computing**

**28-11-2018 to 11-12-2018**

**REGISTRATION FORM**

**CO-ORDINATORS**

**Dr.S.SENTHILKUMAR**

**Mrs.K.PREETHI**



Sponsored By

**Anna University  
Chennai**

Organized by  
**Department of CSE  
University College of Engg. Pattukkottai  
(A Constituent College of Anna University,  
Chennai)  
Rajamadam-614701**

**ORGANIZING COMMITTEE**

**CHIEF PATRON : Dr.M.K.Surappa**  
Vice chancellor,  
Anna University  
Chennai

**PATRON : Dr.J.Kumar**  
Registrar,  
Anna University,  
Chennai

**CHAIR : Dr.D.Sridharan**  
Director,CFD  
**Dr.I.Arul Aram**  
Addl. Director, CFD

**CO-CHAIRS : Dr.G.Elangovan**  
Dean,  
UCE-Pattukkottai

**CO-ORDINATORS: Dr.S.Senthilkumar**  
**Mrs.K.Preethi**

**VENUE : Conference Hall**  
Dept. of CSE

**IMPORTANT DATES:**  
Last date for Submission : 24.11.2018  
Intimation of selection : 26.11.2018  
Confirmation by Participants: 26.11.2018

**REGISTRATION FORM**

Name :  
Designation :  
Qualification :  
E-mail :  
Mobile no. :  
DOB and Age :  
Institution address :

Communication address:

I declare that the details furnished above are true to the best of my knowledge and belief and agreed to abide by the rules and regulations governing the conduct of faculty development training program sponsored by Centre for Faculty Development Anna University, Chennai.

**Signature of Applicant**

**SPONSORSHIP CERTIFICATE**

Certified that Dr. /Prof. /Mr. /Mrs. \_\_\_\_\_  
\_\_\_\_\_ is a bonafide faculty member of our  
Engineering College. He /She is identified to teach  
the subject "**Mobile Computing**". He/She is  
Sponsored to attend this FDTP programme from  
28<sup>th</sup> Nov- 11<sup>th</sup>, Dec 2018.

Date:  
Place: **Signature & Seal of the principal**

## Anna University

Anna University was established on 4th September 1978. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained therefrom, it fosters cooperation between the academic and industrial communities.

### About the Institution

University College of Engineering Pattukkottai was formerly known as Anna University of Technology Tiruchirappalli Pattukkottai (AUTT-PKT) Campus established in the year 2009 at Rajamadam, Pattukkottai Taluk, Thanjavur district, TamilNadu, India. Now it is functioning as a part of Anna University Chennai. University College of Engineering Pattukkottai offers 5 Bachelor of Engineering courses in Mechanical Engineering (English Medium and Tamil Medium), Civil Engineering (English Medium and Tamil Medium), Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science & Engineering.

### About the Department

Department of Computer Science and Engineering, was established in the year of 2015. Its development is growing exponentially in contributing professional and technically efficient students to the corporate world. The department has a doctorate, young, dynamic staff members with various specialized areas.

### About the Course

Mobile Computing is a technology that allows transmission of voice, video and data through a computer system or wireless device without physical link. The outcome of Mobile Computing are Understand the basic concepts of mobile computing, Be familiar with the network protocol stack, Learn the basics of mobile telecommunication system, Be exposed to Ad-Hoc networks, Gain knowledge about different mobile platforms and application development. This faculty development training programme (FDTP) is devoted to basic theory, recent developments and research outcomes addressing the related theoretical and practical aspects on mobile Computing.

## Course Contents

- ✓ Basics of Mobile Computing
- ✓ Mobile Computing Vs wireless Networking
- ✓ Mobile Computing Applications
- ✓ Structure of Mobile Computing Application
- ✓ MAC Protocols
- ✓ Overview of Mobile IP
- ✓ Features of Mobile IP
- ✓ Overview of TCP/IP
- ✓ Architecture of TCP/IP
- ✓ Improvement in TCP Performance.
- ✓ Global System for Mobile Communication (GSM)
- ✓ General Packet Radio Service (GPRS)
- ✓ Universal Mobile Telecommunication System (UMTS)
- ✓ Ad-Hoc Basic Concepts
- ✓ Vehicular Ad Hoc networks (VANET)
- ✓ MANET Vs VANET
- ✓ Security
- ✓ Mobile Device Operating Systems
- ✓ Commercial Mobile Operating Systems
- ✓ Software Development Kit: iOS, Android, BlackBerry, Windows Phone
- ✓ MCommerce – Structure – Pros & Cons
- ✓ Mobile Payment System – Security Issues

## Resource Persons

The sessions will be handled by experts from Academia, Research organizations and industry in the Subject area.

## Eligibility

Faculty of Engineering Colleges affiliated to Anna University Chennai..

## Guidelines

- ✓ No participant fees will be collected
- ✓ Faculty from Affiliated engineering colleges of Anna University are only eligible.
- ✓ Session time will be from 09 AM to 4:45 PM
- ✓ Total number of participants is strictly 25
- ✓ Eligible participants will be selected based on first come first serve basis.
- ✓ Lunch will be provided during the course.

## For Details Contact

**The Co-ordinator,  
FDTP on Mobile Computing,  
Department of Computer Science and  
Engineering,  
UCE-Pattukkottai  
Rajamadam 614701**

**E-mail:** fdtp18mc@gmail.com

**Phone : 9976156272  
9790263717**