

## DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Faculty Development Program. If selected, I shall attend the program for the entire duration. I also undertake the responsibility to inform the coordinator in advance incase I am unable to attend the course.

Date :  
Place:

Signature of the Applicant

## SPONSORSHIP

Mr./Ms./Dr. \_\_\_\_\_  
is an employee of our Institute / Organization and is hereby sponsored for the above Faculty Development Program. He / She will be permitted to attend the program, if selected.

Date :  
Place:

Signature & Seal of the  
Sponsoring Authority

## Mailing Address

The Co-ordinator(s),  
FDP on Mobile Computing,  
Department of Information Technology,  
MIT Campus, Anna University, Chromepet,  
Chennai - 600044.  
Tamil Nadu, INDIA.

Phone : 044 - 22516307/22516020

Mobile : 98405 98722 / 9444060074

Fax : 044 - 22232403

E-mail : dhananjay.annauniversity@yahoo.co.in  
dhananjay@annauniv.edu

## Institute

The Department of Information Technology of Anna University family at MIT campus has good expertise in area like mobile and grid computing, and is offering B.E.(CSE), B.Tech.(IT), Dual Degree(IT), M.Tech.(IT), Distance Learning Programs: M.C.A. and M.B.A., M.S. (By Research) & Ph.D. Programs.

## Location

The department is located at the campus of Madras Institute of Technology, Anna University, Chromepet, about 27 KM from Chennai Central beside NH-47, on the way to Tambaram. The weather will not be very rough at Chennai during May. The green campus of MIT is very much enjoyable. It is accessible by buses and local trains between Chennai Central and Tambaram.

## Program Certificates

Participation certificates will be issued to the candidates who attend the program in full, by the Center for Faculty Development, Anna University, Chennai-25.

## Important Dates

Receipt of Application : 09<sup>th</sup> May 2008  
(by post / e-mail)

Confirmation of selection : 10<sup>th</sup> May 2008  
(by e-mail only)

## Faculty Development Program

on

## MOBILE COMPUTING

19<sup>th</sup> - 25<sup>th</sup> May, 2008

sponsored by

**Center for Faculty Development**  
Anna University, Chennai-25.

co-ordinators

**Mr. Dhananjay Kumar**  
&  
**Mr. R Gunasekharan**



organized by

**DEPARTMENT OF**  
**INFORMATION TECHNOLOGY**  
Anna University, MIT Campus,  
Chromepet, Chennai, Tamil Nadu,  
INDIA 600044.

## Description

Mobile Computing is an umbrella term used to describe technologies that enable people to access network services anyplace, anytime, and anywhere. Ubiquitous computing and nomadic computing are synonymous with mobile computing. Information access via a mobile device is plagued by low available bandwidth, poor connection maintenance, poor security, and addressing problems. Unlike their wired counterparts, design of software for mobile devices must consider resource limitation, battery power and display size. Consequently, new hardware and software techniques must be developed.

## Objectives

This faculty development program is intended to provide opportunity for teachers employed in AICTE approved Institutions for teaching and upgrading their knowledge in the areas of Mobile Computing. This program will be very useful for those who are involve in teaching mobile communication/computing at U.G/P.G level. This will also provide a basic platform for a faculty who is willing to carry out research in mobile computing. The fundamental concepts of wireless data communication will be introduced. However, our main focus will be on mobile computing based on the B.E/B.Tech (CSE/IT) syllabus of Anna University; that includes Wireless Communication Principles, Cellular Mobile System, Wireless LAN, and Mobile IP & TCP.

## Speakers

Senior faculties of MIT, CEG, AU-KBC, and from industries.

## Eligibility

Faculties of IT, CSE, and ECE departments, who has some basic knowledge of computer networks & communication engineering. Young faculty from colleges affiliated to Anna University, Chennai may be preferred.

## Contents

- ✍ Wireless Communication Fundamentals  
Basic Principles, Multiple Access Techniques.
- ✍ Cellular Mobile Networks  
GSM, GPRS, DECT, UMTS / IMT-2000  
Satellite Networks, DAB, DVB.
- ✍ Wireless LAN  
IEEE 802.11, HIPERLAN, Blue-Tooth
- ✍ Mobile IP & TCP  
WAP, Demo. on WiFi
- ✍ Lab. Practice  
on NS-2 simulator, UML/WML

## Registration

- ✍ Total number of participants is limited. Organizer's decision is final in the selection of the candidates.

## Registration Fee:

- ✍ One participant per college affiliated to Anna University, Chennai will be admitted free of cost. Based on availability, registration fee may be waived for second candidate too from same college. However additional candidate from same college may be admitted with a registration fee of Rs.500/- per candidate.
- ✍ Selected candidates will be intimated by e-mail. Confirmation of participation is to made by email. Under payment category, a registration fee of Rs.500/- in the form of a Demand Draft drawn in favor of "H.O.D., Information Technology", payable at Chennai need to be sent.
- ✍ Registration fee under payment categories will not be refunded if the candidate fails to attend the program.
- ✍ No TA/DA will be paid.
- ✍ Accommodation may be provided at MIT hostel for outstation candidates free of cost subjected to the availability.

## APPLICATION FORM

Faculty Development Program on

## MOBILE COMPUTING

19<sup>th</sup> - 25<sup>th</sup> May, 2008

1. Name :
2. Date of Birth :
3. Designation :
4. Institution :

5. Institution affiliated to Anna University :  
: Yes / No

6. Address for Communication :

E-mail address :

Phone no. (with STD code)

Office :

Residential :

Mobile phone :

7. Educational Qualifications :

8. Subjects taught in last one year :

Are you going to teach Mobile Computing:  
Yes/No

9. Professional Experience (in years)  
Teaching :  
Industrial :

10. Accommodation required: Yes / No