

### Chief Patrons

- **Hon. Prof. M. N. Navale**,  
Founder President, STES, Pune
- **Dr. (Mrs.) Sunanda M. Navale**,  
Founder Secretary, STES, Pune
- **Mr. Rohit M. Navale**  
Vice President (HR), STES, Pune.
- **Ms. Rachana M. Navale**  
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### Patrons

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Director-STES Vadgaon and Principal, SKNCOE, Pune.  
**Prof. M. G. Bhat**  
Director- (Engineering), STES, Pune.

### Academic advisory committee

Dr. G. K. Kharate ( Dean- University of Pune)  
Dr. S. A. Joshi (Chairman, BOS (Computer), UoP)  
Prof. G. V. Garje (Chairman, BOS (IT), UoP)  
Prof. A. W. Rohankar (HOD (IT), SCOE)

### Advisory committee

Dr. S. D. Lokhande, Principal, SCOE  
Dr. A. G. Kharat, Principal, SAE, Kondhwa, Pune  
Dr. S. D. Markande, Director-NBN STIC, Ambegaon, Pune  
Dr. P. M. Patil, Director-RMD STIC, Warje, Pune  
Dr. S. N. Mali, Principal-SITS, Narhe, Pune  
Dr. M. S. Gaikwad, Principal-SIT, Lonavala  
Dr. Mrs. J. S. Inamdar, Principal-SKN SITS, Lonavala  
Mr. Akhilesh Kumar, Director, Campus Component, Pune.

### Organizing committee

Prof. Swapneel C. Mhatre	Prof. H. A. Bhute
Prof. D. M. Khatri	Prof. S. C. Suryawanshi
Prof. D. P. Salapurkar	Prof. S. S. Pawar
Prof. N. G. Bhojane	Prof. N. S. Pharande
Prof. T. P. Vaidya	Mr. Y. V. Gajul

### Program Chair

Prof. P. R. Futane  
HOD (Computer), SCOE

### Conveners

Prof. S. R. Hiray  
Department of Computer Engg., SCOE  
Prof. G. T. Chavan  
Department of Computer Engg., SCO

### Coordinators

Prof. M. R. Dhage  
mrdhage.scoe@sinhgad.edu (Mobile: 9423020204)

Prof. D. D. Gatade  
ddgatade.scoe@sinhgad.edu (Mobile: 9422471991)

### Registration Fees

Academy Delegates: 5000/-  
Industry Delegates: 7000/-

### Important dates

Last Date for Receiving Application : 1<sup>st</sup> June 2013

Intimation to Selected Candidate : 5<sup>th</sup> June 2013

### Accommodation

Hostel accommodation will be provided on campus based on request from the participants with minimum charges.

### Address for Corrospodance

Prof. M. R. Dhage  
Coordinator, FDP on RTPUC  
Dept. of Computer Engineering  
Sinhgad College of Engineering, S.No:44/1,  
Vadgaon (Bk.), Off Sinhgad Road,  
Pune-411 041, Maharashtra.  
Mail:ubicomcon@gmail.com  
Mobile: 9423020204

**Sinhgad Institutes**

**One week  
Faculty Development Program  
on**

# “A Confluence of Concepts and Research Opportunities in Pervasive and Ubiquitous Computing” 10<sup>th</sup> –15<sup>th</sup> June 2013

**Organized by**  
**Department of Computer Engineering**  
**Sinhgad Technical Education Society's ®**  
**SINHGAD COLLEGE OF ENGINEERING**  
Survey No.44/1, Off Sinhgad Road,  
Vadgaon (Bk.), Pune-411 041, Maharashtra.  
Ph. No: 020-2435 4705 , Fax: 020-2435 7243  
[www.sinhgad.edu](http://www.sinhgad.edu)

## ABOUT THE INSTITUTE

Prof. M. N. Navale has established Sinhgad Technical Education Society (STES) in the year 1993 with the aim of imparting quality education in the field of Engineering, Management, Computer, Pharmacy, Medical Education, Physiotherapy, Nursing, Architecture, Hotel Management and basic school education. At present, Sinhgad Technical Education Society spreads over 13 Campuses, having 97 Institutes. Nearly 60,000 students are taking quality education under the guidance of well qualified academic staff.

STES's Sinhgad College of Engineering has become synonymous with quality engineering education. Sinhgad College of Engineering (SCOE) was established in the year 1996 offering degree courses in Computer, E & TC, IT, Mechanical, Chemical, Civil and Production Engineering. All the above courses are approved by All India Council of Technical Education (AICTE), accredited by National Board of Accreditation (NBA), New Delhi and affiliated to University of Pune. The Directorate of Technical Education (DTE), Maharashtra State, Mumbai has awarded "A" grade to the college. Department of Biotechnology and MBA are recent additions to SCOE's ever increasing graph. SCOE has Research Center to pursue Ph.D. in various engineering disciplines.

## ABOUT THE DEPARTMENT

The Department of Computer Engineering was established in 1996. The department has started postgraduate course of M. E. Computer Engineering, Specialization in Computer Networks in 2008 and is the first to start this specialization in University of Pune. The department is accredited by National Board of Accreditation (NBA) and is headed by Prof. Pravin R. Futane.

## WHO CAN ATTEND?

The academicians, and researchers with Computer Engineering, Information Technology, Electronics / Telecommunication, background, who are working or intending to work in the areas of cloud computing, ubiquitous computing, pervasive computing, Context aware systems will be most benefited by this course.



## OBJECTIVES OF THE FDP

1. To learn basic concepts in Ubiquitous computing.
2. To get research ideation on following topics:
  - i. Virtualization
  - ii. Big tables and data handling
  - iii. Security
  - iv. Knowledge engineering and ontology

## CONTENTS OF THE FDP

### 1: Virtualization:

Session 1: Requirements and Need

Session 2: Design

Session 3: Case Study of Xen Architecture

### 2: Mobility:

Session 1: Opportunities of Mobile Sensor Virtualization

Session 2: Security Issues

Session 3: Research Opportunities

### 3: Ubiquitous

Session 1: Ubiquitous Computing

Session 2: Sensor Network Opportunities

Session 3: Research Opportunities

### 4: Big Data

Session 1: Big Data and Real-Time Analysis

Session 2: Business Intelligence Case Studies

Session 3: Research Opportunities

### 5: HDFS

Session 1: High Performance Computing and Hadoop

Session 2: Hadoop Hands On

### 6: Knowledge Engg.

Session 1: Knowledge Engineering and Ontology

Session 2: Adaptive Middleware

Session 3: Valedictory Function

## Resource Personnel

1. Dr. P. J. Kulkarni,  
Deputy Director, Walchand College of Engineering, Sangli.
2. Dr. Sarang A. Joshi,  
Chairman, BOS (Computer), UoP and Professor, Pune  
Institute of Computer Technology, Pune.
3. Dr. D. B. Kulkarni,  
Professor, Walchand College of Engineering, Sangli.
4. Dr. Rajesh Ingle,  
Professor, Pune Institute of Computer Technology, Pune.

## Industry Partner

Skylabs, Pune

## Faculty Development Program on A Confluence of Concepts and Research Opportunities in Pervasive and Ubiquitous Computing

10<sup>th</sup> – 15<sup>th</sup> June 2013

## REGISTRATION FORM

(Use photocopy of this form, if needed)

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ FAX: \_\_\_\_\_

Mobile \_\_\_\_\_

Email: \_\_\_\_\_

Amount : Rs: \_\_\_\_\_

Please find enclosed Demand Draft:

No.: \_\_\_\_\_ Dated: \_\_\_\_\_ Drawn in  
the favor of

**"SCOE Computer Engg research programme"**

**payable at "Pune"** drawn at Bank \_\_\_\_\_  
\_\_\_\_\_

[Cash will also be accepted]

Accommodation Required: YES / NO

Date: \_\_\_\_\_ Signature \_\_\_\_\_

Seal & Signature of Sponsorer