One week Faculty Development Program on
“A Confluence of Concepts and Research Opportunities in Pervasive and Ubiquitous Computing”
10th – 15th 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.
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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

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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 Sponsor