Sinhgad Technical Education Society's

Sinhgad College of Engineering

Savitribai Phule Pune University
Approved
State Level Workshop

On

Research in Wireless Network using NS - 3
16-18 March, 2015

1. Name: _____

2. Registration Category: Student / Staff / Industry

3. Name of College/Industry: _____

_____

4. Designation: _____

5. Qualification: _____

6. Address: _____

_____ Pin: _____

7. Mobile No.: _____

8. Email: _____

9. Details of Registration:

Cash / DD: _____   Amount: _____

(In case of DD) Bank: _____

DD No.: _____ Dated: _____

Date:

Signature of Applicant

Signature of the Head of the Institute & Seal

The Highlights of Workshop

Hands-on Sessions on:

- ✓ Installation of NS-3
- ✓ Running C++ and python scripts
- ✓ Wired Network
  - Simulation of Point-to-Point Network
  - Simulation of CSMA/CD Network
  - Analyzing results using TCPDUMP
- ✓ Wireless Network
  - Adhoc Routing in NS-3
  - Simulating Mobility Models in NS-3
  - Performance comparison of ADHOC Routing Protocol (AODV, DSDV, OLSR)
  - Configuring Energy Model in NS-3
  - Graph Analysis using Gnuplot
- ✓ Add New Module in NS-3
- ✓ Add New Application Protocol in NS-3
- ✓ Research in WSN

Resource Persons

- R. Thirukkumaran
  (SAT Infosys, Chennai)
- T. Anjali
  (SAT Infosys, Chennai)

Who can Attend?

PG Students, Research Scholars, Faculty from Engineering Colleges and Industry Professionals will be benefitted.

Registration Fees : ₹ 1000/-
(Includes Workshop kit, Study Material, Tea, Breakfast & Lunch)

Participants must visit **http://goo.gl/fHNDJy** & fill online "Registration Form". Applicants can pay registration fees through **online RTGS/NEFT** transfer or **Demand Draft**.

Details for Online RTGS/NEFT Transfer:
Account Name   :   SCOE IT Engg. Research Programme
Account No.   :   3055483572
Account Type   :   Savings
IFSC Code   :   CBIN0284444
Details for Demand Draft:
Favor of   :   SCOE IT Engg. Research Programme
Payable at   :   Pune
(Participants must write registration details on the backside of DD and send the same **on or before 10th March, 2015**)

As limited seats are available (maximum 30), selection of candidates will be on first come first serve basis.

Savitribai Phule Pune University
Approved

State Level Workshop

On

Research in Wireless Network using NS - 3
16-18 March, 2015

Conveners
Dr. N. J. Uke
(Professor & Head, IT Dept.)
Mr. G. R. Pathak
(Associate Professor, IT Dept.)

Coordinator
Mrs. A. A. Agarkar
(Assistant Professor, IT Dept.)

Organized by
Department of Information Technology
S. No. 44/1, Vadgaon (Bk.), Off. Sinhgad Road, Pune-411041, Maharashtra, INDIA
Phone: +91(20)24100210/211/204
Website: www.sinhgad.edu

Email: ganeshpathak@sinhgad.edu
aaagarkar.scoe@sinhgad.edu

About the Institution

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 education, engineering, physiotherapy, nursing, architecture and basic school education. At present, Sinhgad Technical Education Society spread over 12 campuses, having 117 institutes. Nearly 60,000 students are taking quality education under the guidance of well qualified academic staff. Sinhgad College of Engineering is the first engineering college under STES established in 1996 and it has become synonymous with quality engineering education. The college is offering undergraduate and postgraduate degree courses in E & TC, Computer, IT, Civil, Mechanical, Production, Chemical and Biotechnology. All above courses are approved by AICTE New Delhi & affiliated to Savitribai Phule Pune University.

Scope & Outcomes of Workshop

Simulation is often resorted to study, analyze and carry out performance evaluation of wired and wireless networks. NS-3 is the standard simulator tool for research over a wide variety of networking areas. It is widely used across both academia and industry as a tool for designing, testing and evaluating new as well as existing protocols, architectures, etc. This workshop is targeted towards participants from academia & industry interested in simulation of networks using NS-3.

The workshop will cover a wide range of topics which include overview of network simulation concepts, Discrete Event Simulation Mechanisms, Essential Tools for Simulation & Design Choices, Simulation and Emulation Architectures, Usage Examples, and Configurations for Wired & Wireless Network Simulation Systems

Network Simulator-3 is the latest freeware and discrete event network simulator, targeted primarily for research. The workshop on Network Simulator-3 deals with aspects like creating nodes in networks, interactions between nodes and use of various protocols.

Venue

Vivekananda Hall, C3 Building,
Department of Information Technology,
Sinhgad College of Engineering, Pune.

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 Navale – Ashtekar
Vice President (Admin), STES, Pune

Academic Advisory Committee

Dr. V. B. Gaikwad
Director, BCUD, SPPU, Pune
Dr. G. K. Kharate
Dean, Faculty of Engineering, SPPU, Pune
Prof. G. V. Garje
BOS, Information Technology, SPPU, Pune
Dr. A. V. Deshpande
Principal, SKNCOE, Pune

Program Chair

Dr. S. D. Lokhande
Principal, SCOE, Pune

Conveners

Dr. N. J. Uke
Head of Dept., IT, SCOE, Pune
Mr. G. R. Pathak
Associate Professor, IT Dept., SCOE, Pune

Coordinator

Mrs. A. A. Agarkar
Assistant Professor, IT Dept., SCOE, Pune

Organizing Committee

Mrs. K. S. Korabu	Mrs. H. M. Jadhav
Mr. M. V. Nimbalkar	Ms. S. P. Potdar
Mr. K. B. Sadafale	Mrs. R. S. Sonar
Mrs. U. R. Godse	Mr. N. R. Gavai
Mr. A. A. Utikar	Mr. D. V. Medhane