

SPONSORSHIP/DEPUTATION CERTIFICATE

Mr. /Ms/Mrs _____
Working in this institute as _____
is hereby sponsored/Deputed for the Workshop on NS-2
from 25th to 26th February 2011 and will be relieved, as
per requirement.

Date: _____
Place: _____

Seal

Mailing Address:

A. N. Kamthane
Associate Professor
Coordinator
NS-2 Workshop
Department of Electronics &
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S.G.G.S. Institute of Engineering &
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Workshop

On

Network Simulator - 2

February 25 -26, 2011

Course Coordinator

Prof.A.N.Kamthane



Organised by

**Department of Electronics and
Telecommunication Engineering,**

**SGGS Institute of Engineering and
Technology, Vishnupuri,**

Nanded, 431606 (MS)

Scope

As communication area is demanding more and more expertise, importance of wireless/wired networks has tremendously increased. This programme is aimed at providing excellent manpower to industry, research, academics etc.

Course Contents:

1. Brief Introduction to Distributed Event Simulation
 - a. Various simulators and simulation options
2. Brief Introduction to Split-Programming
 - a. Model C++ & OTCL
3. Introduction to NS-2
 - a. -Structure of simulator
4. Programming in NS-2 (including OTCL) (example/case study)
5. Extending the capacity of NS-2 (example/case study)
6. Using the results of simulation (include few hands-on work).
 - a. Brief introduction to GNUPLLOT and AWK Programming.
7. Wired Networks
 - a. Node Model
 - b. Simulating Wired Networks (hands on)
 - c. Transport (TCP) & Network (routing)layer performance study
8. Wireless Networks
 - a. Node Model
9. Simulating wireless networks (hands on)
10. Network (routing) layer performance study.

About Resource Person:

The renowned personality Dr. Sridhar K.N. Rao, received his Ph.D degree in computer science from National University of Singapore, in 2007, his M.Tech. degree in computer science from KREC, Suratkal, India, in 2000, and his B.E. degree in instrumentation and electronics from Bangalore University, India, in August 1997. He worked as post- doctoral fellow at Microsoft Innovation Center, Politecnico Di Torino, Turin, Italy, and as a research fellow at Institute for Infocomm Research (I2R) Singapore. He has worked on various development and deployment projects involving

ZigBee, WiFi and WiMax. He is currently working as Research lead at SRM Research Institute, Bangalore. His research interests include multihop wireless ad hoc networks, QoS in routing and MAC and Formal Verification of communication protocols. Sridhar is currently focusing on development of embedded systems for wireless/wired networks on various platforms.

All Communication for this workshop should be directed to:

1. **A. N. Kamthane**, Associate Professor, **Coordinator**

Associated Faculty:

1. **Miss Birgale Lenina V**, Faculty EXTC
2. **Mr. G.K.Pakle**, Faculty IT
3. **Mr. H.P. Ambulgekar**, Faculty CSE

About SGGS:

Named after the tenth Sikh Guru, Shri Guru Gobind Singhji (SGGS) Institute of Engineering and Technology, Vishnupuri, Nanded was established by Govt. of Maharashtra in the year 1981 as a 100% grant-in-aid institution. The institute has been declared the status of Autonomous Institute since June 2004.

This institution runs eight Undergraduate courses leading to B. Tech. degree and five postgraduate courses leading to M. Tech. degree. It is also recognized as a research centre of Swami Ramanand Teerth Marathwada University, Nanded leading to award of Ph. D. degree in various branches of Engineering. The six under graduate and two postgraduate programme of the institute has been accredited by the National Board of Accreditation (NBA). In addition to this, institute has Center of Excellence in Information Technology, Entrepreneurship Development Cell (EDC), and Biomedical Instrumentation Center (BMIC).The college campus is spread over 46 acres of land at Vishnupuri, adjacent to the Swami Ramanand Teerth Marathwada University campus and is at a distance of about 7 Km from Nanded Railway station. Nanded is a district head quarter and is famous for Sachkhand Huzur Saheb Gurudwara. It is located on the banks of holy river Godavari and is an important railway station on Aurangabad-Secunderabad line. It is connected by direct

trains to Mumbai, Nasik, and Aurangabad and to Amritsar via Manmad-Bhopal-Delhi.

Weather: The climate during February is very pleasant. The average temperature is between 18 to 25 degree centigrade.

Target Participants

Faculty and students of engineering colleges can join this workshop.

Participants are required to register in advance using the enclosed format along with registration fees.

As seats are limited first come first served enrollment is followed.

Registration Fee

Category	Candidates from	Reg. Fees
A.	Faculty from SGGS Institute	Rs. 500=00
B.	Final Year UG (Electronics and Telecommunication, Instrumentation, Computer and information technology) and PG students in Engineering	Rs. 500=00
C.	Other Faculty	Rs. 500=00

Payable by Demand draft on SBI Nanded, drawn in favor of “**Director, SGGSIE&T, Nanded**”. Indicate the workshop name “NS-2” on backside of DD. **Mention the course name behind the Demand Draft. Last date for application is 23rd February 2011. Intimation of selection will be done on 24th February 2011 through email. Fees (Cash payment) also accepted.**

Contact: Miss Birgale Lenina V, Faculty EXTC.

Allowances, Lodging and Boarding: No Accommodation will be provided. **The registration fee includes breakfast and high tea** during the course. Other expenditures are to be borne by the participants. No TA/DA is admissible.

Registration Form for NS-2 Workshop,

February 25- 26, 2011.

1. Name:
2. a. Designation:
b. Institute:
3. Mailing Address:
4. E-mail:
5. Fax: Phone:
6. Is your college Networked with SGGSIE&T, Nanded: Yes/No
7. Educational Qualifications:
8. Experience:
9. Category: A/B/C
11. Details of reg. Fees: DD no.
Drawn on:
- Place: Signature of the Applicant