
NETWORK SIMULATOR (NS-2)
&
SUMO
HANDS-ON WORKSHOP

COURSE RESOURCE PERSON:-

MRS. VAISHALI KHAIRNAR
H.O.D
INFORMATION TECHNOLOGY
TERNA ENGINEERING COLLEGE.

MR. DEVEN SHAH
PROF. TERNA ENGINEERING COLLEGE.

Registration Details:-

Registration Fees:-3500/-

Contact Person:-

Mr. Saurabh Patil

Co-ordinator

09773445201

saurabh.terna@gmail.com

www.terna.org

Last Date of Registration **25th Jan 2012**

Venue: Terna Engineering College
Opp. Nerul Railway Station, Nerul(w),
Navi Mumbai.

Dates:- (Only Saturdays)
04, 11, 18, 25 Feb 2012
(9:00 AM – 5:00 PM)

Course fee includes: Course Material,
CD as per the syllabus, Certificate
and snacks as per the schedule.



Terna Public Charitable Trust's
Terna Engineering College
An ISO 9001 Institution

Registration Form:-

Name:- _____

Organization:- _____

Department:- _____

Address of _____

Correspondence:- _____

E-mail:- _____

Phone/ Mobile No:- _____

Amount:- _____ DD no.:- _____

Bank:- _____

Date:- _____ Signature of
Applicant _____

Course Co-ordinator:- Mr. Saurabh Patil
09773445201

Complete the Registration form and send it by mail or in hand
to course co-ordinator at Terna Engineering College.

DD should be in favour of "THE PRINCIPAL,TERNA
ENGINEERING COLLEGE" payable at nerul, Navi Mumbai

**NETWORK
SIMULATION 2 [NS-2]**



Terna Public Charitable Trust's
Terna Engineering College
An ISO 9001 Institution

**Workshop
on
Network Simulator [NS-2]
And
SUMO**

Organized By

**Department of
Information Technology**

TERNA ENGINEERING COLLEGE

Plot No. 12, Sector-22,
Opp. Nerul Railway Station, Phase-II, Nerul (W),
Navi Mumbai 400706
Phone: 91 22 61115444 (30 lines), Fax: 91 22 61115400
www.terna.org

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About

TERNA

Terna Public Charitable Trust's Terna Engineering College is one of the well known and finest technical institution, with 'A' Grade from Maharashtra Government and having ISO 9001 quality management system and is among the top Colleges in Mumbai. It is located at Nerul Navi Mumbai on a beautiful 5 hector campus. Terna offers education of the highest quality with its curriculum present a broad array of exceptional offerings in engineering & technology studies. A diverse, talented community united by a passion for learning and quest for more. Terna challenges students to make a difference on our campus, in the state, and around the world.

About Workshop

NS-2

Ns is a discrete event simulator targeted at networking research. Ns provides substantial support for simulation of TCP, routing, and multicast protocols over wired and wireless (local and satellite) networks. NS-2 also have modules for design, development and analysis of different WSN applications. NS version 2 is widely used across both academia and industry as a way of designing, testing and evaluating new and existing protocols and architectures, and has also proven a very useful tool for teaching purposes.

NETWORK SIMULATION 2 [NS-2]



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Workshop Contents

1. NS-2 Installation on Linux and windows XP
2. Architecture of NS-2 Simulator
3. GUI based TCL scripts generation Wired and wireless Network Simulations
4. MANET and VANET Simulations .
5. Traffic Generation (using SUMO)
6. Transport Agents (TCP/UDP)
7. Routing Protocols and Queuing Models (ADOV, DSRC, DSR)
8. Trace file analysis using C++
9. Plotting Xgraph

Workshop Conducted By:-

Mrs. Vaishali Khairnar
 H.O.D Information Technology
 Terna Engg College.

Dr. Deven Shah
 Prof. Terna Engg College.

Workshop Schedule:-

04,11,18,25 Feb 2012 (Saturdays)

Workshop Fees :-

Rs. 3500/- (per Head) (includes course kit)

Who can attend & Prerequisite:-

Knowledge of C, C++ and basic concepts of Computer network.

NETWORK SIMULATION 2 [NS-2]