

SANDIP FOUNDATION'S

SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, NASHIK.

Department of Electronics and Telecommunication

ASET

(Association for Students of Electronics & Telecom.)

Established in March 2010.



Date: 20/10/2015

NOTICE

All M.E. Students of E & TC Department are hereby informed that we have arranged Two Days Workshop On Network Simulator NS-2 & NS-3..


Resource Person for this Mr. Rajendra D. Bhosale Advisor, Geetadeep Enterprises, Kolhapur.

So, all are requested to attend the same.

Venue : Digital Electronics and Microprocessor Lab (DEML)

Date : 31st October 2015 to 01st November 2015

Time : 8.00a.m. to 5.00p.m.


Prof. Mrs. S.Y. Kanawade
Assistant Professor
E&TC Dept.

Two Days Workshop On Network Simulator

31st October to 1st November 2015

REGISTRATION FORM

Full Name : _____

Designation: _____

Qualification: _____

Organization/Institute: _____

Address: _____

Pin: _____

Mobile No. : _____

E-mail: _____

Demand Draft No.: _____

Date: _____ Rs: _____

Bank: _____ Branch: _____

Accommodation Required: _____ (Yes/No)

Date: _____

Signature of Participants: _____

Signature of forwarding Authority: _____

Chief Patron

Hon' Dr. Sandip Kumar Jha
Chairman, Sandip Foundation

Patron

Hon' Mrs. Mohini Patil
GM, Sandip Foundation

Hon' Prof. P. I. Patil
Mentor, Sandip Foundation

Hon' Prof. Dr. S. T. Gandhe
Principal, SITRC, Nashik

Event Convener

Prof. Mrs. G. M. Phade
HOD E&TC SITRC, Nashik.

Event Coordinator

Prof. Mrs. S. Y. Kanawade
+91 9860096662
kanawade.shailaja@sitrc.org

Prof. Mangesh Nikose
+91 9545453368
mangesh.nikose@sitrc.org

Student Coordinator

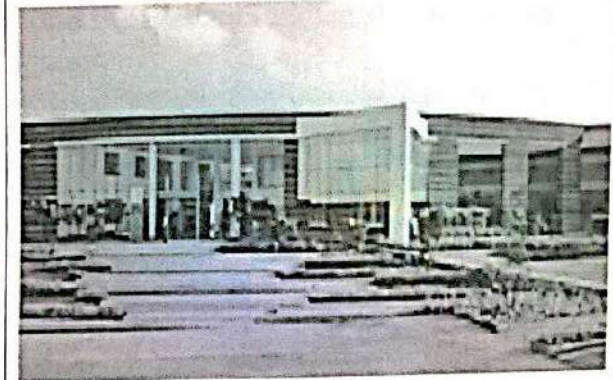
Komal Pardeshi
+91 9158555594
komalpardeshi30@gmail.com



Two Days Workshop On Network Simulator

31st October to 1st November 2015

NS-2 & NS-3



Organized by:
DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATIONS ENGINEERING

ISO 9001:2008 Certified Institute
Sandip Foundation's
Sandip Institute of Technology & Research Centre,
Mahiravani, Trimbak Road, Nashik, (M.S.) India
Ph.: (2594) 222551-554 Fax - (2594) 222555
Toll Free No: 18002332714
Email: principal@sitrc.org
Website : www.sandipfoundation.org

About Institution

Sandip Foundation's 'Sandip Institute of Technology & Research Centre' was established in the year 2008-2009 and is ISO 9001:2008 certified Institute which provides world class infrastructure along with well qualified faculty.

Institute offers different UG and PG programs and is approved by All India Council for Technical Education, New Delhi and recognized by the State Government while being affiliated to University of Pune.

The modern infrastructure standard are complimented with lush green lawns and trees around the campus which make the atmosphere in and around the institution a pleasant place to learn, gain and apply the knowledge.

About Department of E&TC

Department of Electronics and Telecommunication Engineering has been established in the year 2008, with an intake of 60 students and grown up to 120 & second shift with an intake of 60 students from the academic year 2012-13. Department offers PG program in VLSI & Embedded. The department has blend of senior, young and dynamic faculty. The department have 10 well equipped laboratories with advanced instruments and latest computing tools. Special research lab is allocated to students for their research activities. Department also offers Ph.. D Program from 2012.

Course Objectives

The objective of the workshop is to provide hands on-training in NS2 and introduction to NS-3 . It is a discrete event simulator which is widely used in the research field of Wired, Wireless Networks 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. NS-2 is an open source network simulator which is freely available for academic research purpose. NS-2 is useful for those who are working in wired & wireless network, wireless sensor network etc. It is useful for UG & PG students, PhD scholar, Academia for their project work..

Course Content

Day 1 (31st Oct 2015)

- 1.1 NS-2 Introduction
- 1.2 Installation Procedures
- 1.3 Understanding Architecture and writing scripts to perform network tasks in NS2
- 1.4 Study of AODV routing protocol and its code architecture in relation with NS2
- 1.5 Understanding Code execution sequences as per protocol working
- 1.6 Relatively studying MAC and transport layer code architectures
- 1.7 Implementing new protocol in NS2
- 1.8 Understanding version compatibilities and solving related issues
- 1.9 Protocol Modification strategies
- 1.10 Analyzing methods, writing scripts for analysis
- 1.11 Analyzing methods, writing scripts for analysis
- 1.12 Discussion regarding various aspects to choose NS2 as research tool in networking

Day 2 (1st Nov 2015)

- 2.1 Mini project on Network layer
- 2.2 Mini project on MAC layer
- 2.3 Mini project on transport layer
- 2.4 Introduction to NS-3
- 2.5 Installation step by step
- 2.6 Running beginner scripts
- 2.7 Understanding trace file generation in ns3
- 2.8 Understanding differences in NS2 and NS3.
- 2.9 Modifications implementation in NS3.

Resource Person

Mr. Rajendra D. Bhosale

Advisor, Geetadeep Enterprises, Kolhapur

Registration Fees

PG Student / Research Scholar : Rs. 750/- per participant

Faculty Members : Rs. 1000/- per participant
Industry Person : Rs 1500 /- per participant

Mode of Payment

DD/Cash

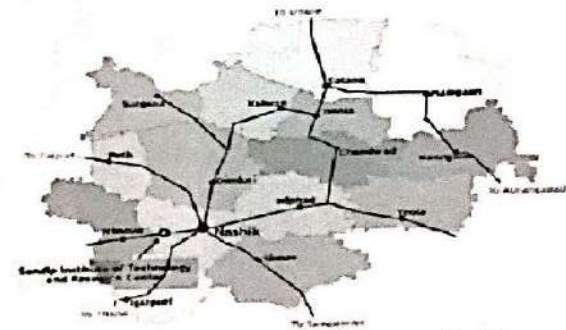
DD should be drawn in the favor of "Sandip Institute of Technology and Research Centre" Payable at Nashik, (M.S.) India. DD should be sent along with the registration form.

Important Dates and Guidelines

- ✓ **Last Date of Receiving Registration Form & D.D./Cash – 30th October 2015**
- ✓ **On the spot registration can be done by Cash**
- ✓ **Your Registration will confirm only after receiving registration fee.**

How to Reach

Nashik is 168 Km to the North-East of Mumbai. Nashik Road Railway station is the nearest station approximately 8 km from the main city and from the main city "Sandip Institute of Technology & Research Centre, Nashik" is located about 15 km on Trimbak Road, Mahiravani Village.





Two Days Workshop On Network Simulator

NS-2 & NS-3

31st October to 1st November 2015 Event Schedule

| Date | Time | Topic |
|----------------------|---------------------|--|
| 31/10/2015 | 10 to 10.30am | Registration & Breakfast |
| | 10.30am to 10.45 a | Inauguration of Function |
| | 10.45 am to 1.00 pm | NS-2 Introduction and Installation |
| | 1.00 pm to 1:45 pm | Lunch |
| | 2:00 pm to 2:30 pm | Understanding Architecture and writing scripts to perform network tasks in NS2 |
| | 2:30 pm to 3.00 pm | Study of AODV routing protocol and its code architecture in relation with NS2 |
| | 3.00 pm to 3.30 pm | Understanding Code execution sequences as per protocol working |
| | 3.30 pm to 4.00pm | Relatively studying MAC and transport layer code architectures |
| | 4.00 pm to 4.15 pm | Tea break |
| | 4.15 pm to 5.00pm | Implementing new protocol in NS2 |
| | 1/11/2015 | 9.00 am to 10.00 am |
| 10.00 am to 10.30 am | | Breakfast |
| 10.30 am to 11.30 pm | | Mini project on MAC layer |
| 11.30 am to 12.30 pm | | Mini project on transport layer |
| 12.30 am to 1.15 pm | | Lunch |
| 1.15 pm to 2.30 pm | | Installation step by step |
| 2.30 pm to 3.00 pm | | Understanding trace file generation in ns3 |
| 3.00 pm to 3.15 pm | | Tea break |
| 3.15 pm to 5.00pm | | Understanding differences in NS2 and NS3.Modifications implementation in NS3. |



Sandip Foundation's
Sandip Institute of Technology & Research Centre, Nashik
Department of Electronics & Telecommunication

Industry-Academia Innovative Practices

Date: 04 /11 / 2015

Name of Event: Two Days Workshop On Network Simulator.- 2
31 Oct & 1 Nov -2015

Name of resource person: Mr. Rajendra D. Bhosale Advisor, Geetadeep Enterprises,
Kolhapur.

Name and Address of Company: Geetadeep Enterprises, Kolhapur

Objectives: 1) To know NS-2 and NS-3 introduction and installation.
2) To know the project on NS-2 and NS-3.

Outcome: 1) Participants learn the the installation of NS-2 & NS-3.
2) Participants learn implementing different protocol in NS2.
3) To Understand the trace file generation in NS-2 & NS-3.
4) Participants learn Mini project on MAC Layer, Network layer & Transport Layer using NS-2.

Photos:





Sandip Foundation's
SANDIP INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE, NASHIK
 Three days' Workshop
 On
 Network Simulator NS2 & NS3
 31st October to 1st November 2015

Venue:

Time: 10.00 a.m. TO 05.00 p.m.

| Sr. No. | Name of Participant | Institute Name | Email ID | Mobile No. | Sign | Payment mode | Payment slip & Certificate Issued Sign |
|---------|---------------------|--------------------|---------------------------|------------|------|--------------|--|
| 1 | Anni U. Gupta | MEI'S IOE, Nashik | annigupta@gmail.com | 9545453367 | | Cash | 1000/- |
| 2 | Madhav N. Aarotate | GES RHS COE NASHIK | madhavaarotate@gmail.com | 9623409728 | | Cash | 1000/- |
| 3 | Borse Shehar Deepak | GES RHS COE Nashik | 8borse11111@gmail.com | 8600624579 | | Cash | 750/- |
| 4 | Thakare Sushil | SMTI'S KES COE Ch | Sushil2thakare@yahoo.com | 9225740800 | | Cash | 1000/- |
| 5 | Yogitha Gujkar | CCOEW Pune | yogithagujkar10@gmail.com | 7792749800 | | Cash | 750/- |
| 6 | Ganesh Attarde | SITRC, Nashik | ganesh.attarde@sitrc.org | 9588615326 | | Cash | 1000/- paid |

1000/-

1000/-

750/-
250/-
pending

1000/-

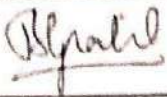


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pending
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| Sr. No. | Name of student & faculty | Institute Name | Email ID | Mobile No. | Sign | Payment mode | Payment slip & Certificate Issued Sign |
|---------|---------------------------|---------------------------|----------------------------|------------|------|--------------|--|
| 7 | Lalit R. Patil | SITRC | lalit.patil@gmail.org | 9922444574 | | Cash | 1000/- paid |
| K 8 | Rasika Nerkar | SITRE/ SSC Polytechnic | rasikarnerkar@gmail.com | 8689924960 | | Cash | 750/- Paid |
| K 9 | Janhavi Soni | SITRC | Janhavi.deore14@gmail.com | 9130008011 | | Cash | 750/- paid |
| K 10 | Meghana Pagare | SITRC | meghana.pagare90@gmail.com | 9921146988 | | Cash | 750/- paid |
| K 11 | Pooja Nikam S. | SITRC | poojanikam75@gmail.com | 9697182122 | | Cash | 750/- Paid |
| K 12 | Sneha M. Deore | SITRC | snehadeore502@gmail.com | 9276242816 | | Cash | 750/- paid |
| 13 | Madhuri G. Gadkari | SITRC | gadkarimg93@gmail.com | 8379986173 | | Cash | 750/- |
| 14 | Kavita S. Patil | SITRC | kavita.patil@sitrc.org | 8177935196 | | Cash | 1000/- |
| 15 | Swati Pawar | SITRE | swati.pawar@sitrc.org | 9545200936 | | Cash | 1000/- |

| Sr. No. | Name of student & faculty | Institute Name | Email ID | Mobile No. | Sign | Payment mode | Payment slip & Certificate Issued Sign |
|---------|---------------------------|----------------|--------------------------------|------------|---|--------------|--|
| 16 | Bhagawati C. Titil | SITRC | bhagawati, patil@ sitrc.org | 9960405002 |  | Cash | 1000/- |
| 17 | Bhandari R.R. | SNTB | rrbhandari@ gmail.com | 7588556688 |  | Cash | 750/- |
| 18 | Chuge N.R. | SITRC | chuge.nitesh@ gmail.com | 9730115616 |  | Cash | 750/- |
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SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE

Mahiravani, Trimbak Road, Nashik, (M.S), India


Department of Electronics & Telecommunication Engineering


Two Day's workshop on
"Network Simulator"
on 31st October to 1st November 2015

Certificate

This is to Certify that Mr. / Ms. _____
of _____ has attended
two days workshop on "Network Simulator" organized by "Department of Electronics and Telecommunication
Engineering, SITRC, Nashik.


Prof. Mrs. S. Y. Kanawade
Prof. Mangesh Nikose
Co-ordinator
SITRC, Nashik


Prof. Mrs. G. M. Phade
HOD (E&TC)
SITRC, Nashik


Mr. Rajendra D. Bhosale
Advisor
Geetapradeep Enterprises, Kolhapur