



VIT
University

Vellore-632 014, Tamil Nadu, India.
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Evening Program on
Network Simulator (NS2) for Wired and
Wireless Protocol Standards
26th -31st October 2009



Organised by
VIT - TIFAC CORE
AUTOMOTIVE INFOTRONICS
(Sponsored by TIFAC, Department of Science &
Technology, Govt. of India.)

Co-ordinators

Dr. K. Ganesan, Director, TIFAC CORE & Senior Professor, SCS
Mr. N.S. Manikandan, Senior Development Engineer, TIFAC CORE



TIFAC CORE IN AUTOMOTIVE INFOTRONICS @VIT

- ✓ State of the art advanced engineering centre for research, consultancy and manpower training in Automotive Infotronics is established at VIT University, promoted by TIFAC (Technology Information Forecast and Assessment Council), under the Mission REACH program.
- ✓ Offers a full time PG program in Automotive Electronics to provide industry ready engineers in association with SENSE.

Background

Networking allows Computers / Embedded devices and hence their users connected together by sharing information and performance enhancement by distributed computing. Analyzing the performance of a network by building a model, running various protocols enable complete understanding of network implementation scenario and to carry out Networking research. Network Simulator provides substantial support for simulation of Routing protocols over wired and wireless networks.

Topics Covered:

- ✓ **Installation and configuration of NS2 in Windows platform**
- ✓ **Introduction to**
 - **Network Simulator (NS2)**
 - **Network Animator (NAM)**
 - **Xgraph**
- ✓ **Tool Command Language (Tcl)**
- ✓ **Network topology**
- ✓ **Radio Propagation characteristics**
- ✓ **Network protocol standards and Routing algorithms**
 - **Unicasting and multicasting**
- ✓ **Wired and Wireless network simulations:**
 - **LAN – using TCP, UDP for FTP and Telnet applications**
 - **Ad -Hoc networks**
 - **Wi-Fi using DSDV Vs AODV**
 - **Mobile Ad-Hoc network**
 - **Vehicular Ad-Hoc Network**
 - **Wireless Sensor Network: ZigBee**
 - **Emerging wireless standards: Wi - Max**
- ✓ **Hands on sessions**

Target Participants:

- Faculty / Students

REGISTRATION FEES:

Rs. 600/- per delegate from Institute (faculty/ Student)

Registration charges include course material & snacks. The number of participants is limited to forty based on first come first serve. If needed, NS2 installation in the participant's laptop would be done.

Payment through DD drawn in favor of "TIFAC CORE – VIT University", Payable at Vellore.

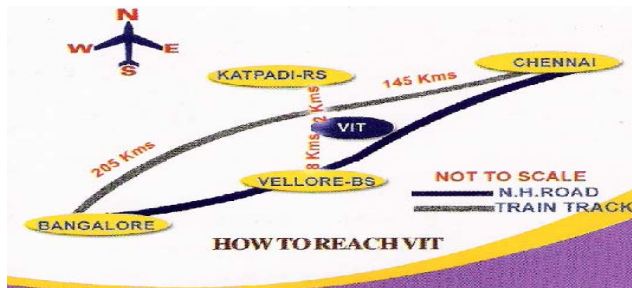
Venue:

Room No.: 707
Technology Tower
7th Floor,
VIT University

Time:

Session Timing: 26th October - 31st October 2009: 6.15 pm to 8.15 pm

HOW TO REACH VIT



Format for Registration confirmation
Short Term Training Program on
Network Simulator (NS2) for Wired and
Wireless Protocol standards
26th -31st October 2009

Name: -----

Designation: -----

Organization: -----

Address: -----

Phone: -----Mobile-----

Fax: -----e-mail: -----

DD Details: -----

Please complete and mail us above form on or before 23rd October 2009.

For details about our centre and to download the registration form, visit our web site www.vit.ac.in/tifacore/

For Further Details Please Contact:

Mrs R. Devaki

Secretary

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