

# **Three Day Workshop** **on** **“Training on Network Simulator-2”**

**November 3-5, 2012**

**In Association with**



**Institution of Engineers India**

**Organized by:**



**POORNIMA**  
**COLLEGE OF ENGINEERING**

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**&**



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## **RATIONALE**

In this era of fast technological advancements and their implementations, knowledge and skills of various software tools for design and Development has become a need of the day and has to be considered as one of the important component of any educational Institute.

The aim of the workshop is to provide an exposure to the students of Master's degree in Computer Science and Information Technology with a Computer Network Simulation Tool named as Network Simulator Version 2 which would fetch them an ease in design and implementation of Network Protocols and Algorithms.

## **COURSE CONTENT**

NS2 provides substantial support for simulation of protocols of wireless (local and satellite) communication. Participants will be given hands on training on NS2 simulator. The course contents include Introduction to Wireless Ad hoc Networks, Fedora Installation, NS-2 installation on Fedora (Linux Platform), NS-2 installation on window XP (Window Platform) NS-2 basics, NS-2 components, C++/OTcl Language basics, Wired Simulation in NS-2, TCP, UDP Agents, Trace File Analysis, Introduction to Ad hoc Routing Protocol, Simulation of Ad hoc Routing Protocol in NS-2 (AODV, DSR and DSDV), Comparison of Ad hoc Routing Protocol in NS-2, Graph in NS-2

## **ELIGIBILITY**

PG Students of Electronics, Computer Science, Information Technology background and the faculty. Interested UG students are also eligible to attend the workshop.

## **REGISTRATION FEE**

The registration fee of 1000/- Rupees for faculty, 500/- Rupees for Students. The registration fee is to be paid in the form of cash or Demand Draft drawn in favour of "Shanti education Society, Jaipur".





## **TRAVEL, BOARDING & LODGING**

Working lunch and tea will be provided during the course to all the participants. Participants from industries and other institutions will have to bear the expenses towards travel, accommodation and boarding. Limited accommodation will be available on payment basis.

## **HOW TO APPLY**

Filled-in application in the prescribed format by post / fax / e-mail should reach the Institute on or before 31.10.2012. The registration of the participants would be confirmed on "First-come first serve" basis as the number of seats is limited.

## **INTIMATION OF SELECTION**

Candidates will be intimated about their selection by E-mail.

## **COURSE METHODOLOGY**

The course will be conducted by the resource persons from higher academic Institutions through a blend of lectures wherein separate sessions for theory and practical taking them to the level of expertise needed for implementing their own ideas.

Venue: **Poornima University**



## Registration form

## Workshop

on

## “Training on Network Simulator-2”

**November 3-5, 2012**

- 1. Name (in BLOCK letters) :** .....
- 2. Designation, Department and Address of the College :**  
.....  
.....
- 3. Academic Qualification:** .....
- 4. Experience (in years) :**    **a. in teaching :** .....    **yrs**  
                                       **b. in industry :** .....    **yrs**
- 5. Residential Address:** .....
- 6. Communication Details:**  
**Phone (O):**..... **(R)**..... **Mobile:**.....  
**Fax:** ..... **E-mail :** .....
- 7. Gender: Male / Female** .....
- 8. Do you need Accommodation : Yes/ No**  
**Date:** .....

**Signature of the Applicant**

Mr./Mrs/Dr. .... is working as  
..... in the department of  
..... at our Institute. I hereby sponsor  
him/her to attend the course on duty for the entire duration.

**Signature of the Sponsoring  
Authority with Seal**

**Note:** Reporting time 8.30 am on 03.11.2012  
Workshop Schedule: 9 am to 5.00 pm



## PATRON

**Dr. S. M. Seth**  
Chairman, PGC and Chancellor  
Poomima University, Jaipur

**Dr. Kanta Ahuja**  
President  
Poomima University, Jaipur

## CHAIRMAN

**Mr. Shashikant Singhi**  
Director General, Poomima Group of Colleges, Jaipur

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**Mr. Amol Saxena**  
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**Dr. Ajay Khunteta**  
Professor, CE, PCE

**Mr. Manish Kumar Sharma**  
PCE

## ABOUT JAIPUR

Jaipur, well known as the pink city of India is a heritage city and is the capital of state of Rajasthan. The Jaipur city was designed and founded in 1727 AD by Sawai Jai Singh II. The entire city is encircled by a fortified wall and guarded by seven gates. There are several places of historical architectural and scenic interest in and around the walled city of Jaipur. Also we have the world class heritage "Jantar Mantar" located in the heart of City. The weather in Jaipur during February-March is transition from cold to summer climate with temperature ranging 150-250 C.





## **INSTITUTION OF ENGINEERS INDIA**

The Institution of Engineers (India) is the largest body, recognizing professional engineers in the country as fellows, members and associates. It provides opportunity to the Engineering Diploma holders and Science students engaged in engineering profession to enhance their qualification. The Institution publishes research journals and newsletters to keep the members abreast with the latest technological advancements and activities of interest; Rajasthan State Centre is 52 years old with head quarter at Jaipur and four local centres at Kota, Udaipur, Jodhpur and Alwar. All are conducting various technical activities.

## **POORNIMA COLLEGE OF ENGINEERING**

Poornima College of Engineering (PCE) established in the year 2000 at Jaipur is one of the pioneer colleges in Rajasthan under Poornima Group of Colleges (PGC). PGC comprises of eight institutions in engineering and management education. In a span of twelve years PCE has added many feathers in its cap and has emerged as the top notch destination for technical education in Rajasthan.

## **POORNIMA UNIVERSITY**

Poornima University has begun with an intake of more than 1000 at Bachelor's, Master's and Doctoral programs in Engineering, Management, Architecture and Management studies. The main focus of the university is to enhance Research & Development skills of the students seeking admissions at various levels.

## **IMPORTANT DATE**

Last date for the receipt of registration: 31.10.2012