

Two-Week Graded ISTE-STTP Course on
“Computer Communication Networks with Lab
Exercises”

Convener: Dr. Prachi Gharpure, Principal
Dr. Y.S. Rao, Vice-Principal

Coordinator: Prof. Dayanand Ambawade
Co-coordinator: Prof. Manish Parmar

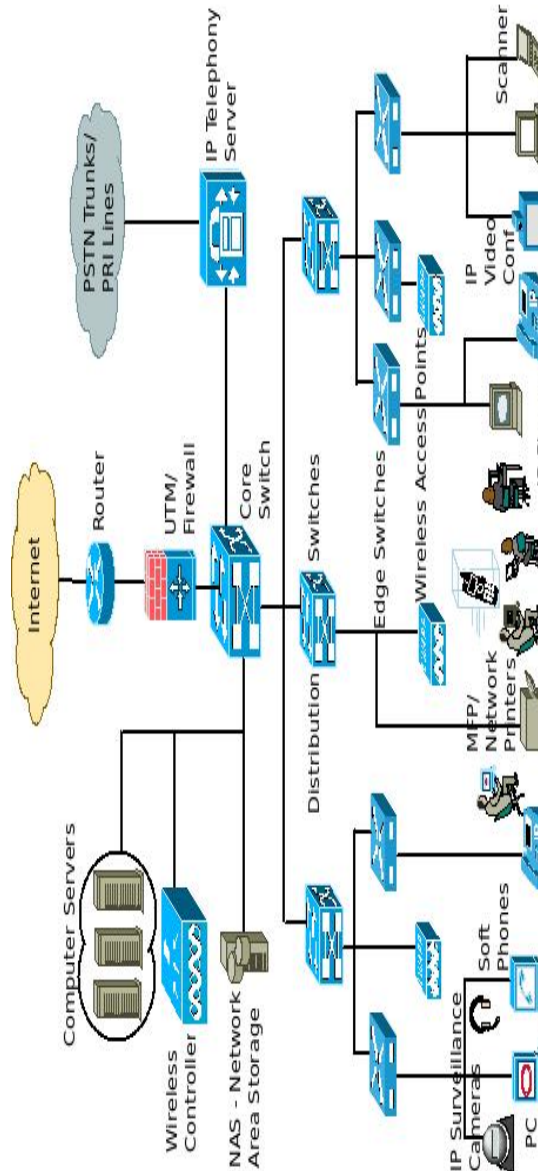
Organising Committee:

1. Prof. Radha Shankarmani
2. Prof. Anand Godbole
3. Prof. Reena Sonkusare
4. Prof. Kailas Devadkar
5. Prof. Narendra Bhagat
6. Prof. Sukanya Kulkarni
7. Prof. H. B. Vasaikar
8. Prof. Surekha Dholay
9. Prof. Anand Mane
10. Prof. C.R. Gajbhiye

Contact for registration:

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Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

&

ISTE

Announces

Two-Week Graded ISTE-STTP Course on
“Computer Communication Networks with Lab
Exercises”

21st November to 2nd December 2011

About us

SPIT is under the umbrella of Bharatiya Vidya Bhavan & is academically affiliated to the University of Mumbai. It has been imparting technical education since 1996. We are organizing Two-Week Graded ISTE approved course on “Computer Communication Networks with Lab Exercises” from 21st November to 2nd December 2011.

About the Course

Course Objectives:

1. **Hands-on Networking:** The learn-by-doing approach is absolutely essential in data communications and networking. “Do Networking” at the hardware, software, simulation, configuration levels.
2. **Experimental Method:** Interconnecting hardware, configuring network systems, measuring performance, observing protocols in action, and creating client-server programs that communicate over a network all help sharpen one’s understanding and appreciation.
3. **Tools:** How to correctly use a variety of abstract tools (measurement, simulation, animation, experiment) for design and analysis of computer/network systems. The specific tools/platforms useful for networking research and advanced development.

Hands-On Lab: Exercises throughout this course provide practical experience with TCP/IP internet-working issues and services, including:

- Deploying protocol analysis techniques for Internet protocols: IP, ARP, TCP, UDP and HTTP
- Troubleshooting TCP/IP networks with ICMP and ping
- Dissecting packet structure with Wireshark
- Utilizing, monitoring and securing Ethernet and Wi-Fi LANs
- Configuring TCP/IP on hosts and routers
- Testing cables and connections

Course Benefits:

Extensive hands-on exercises provide the practical experience you need to configure a host, employ TCP/IP tools, use application services and access TCP/IP-based internetworks.

Course Description:

1. Lectures
2. Quizzes
3. Homework
4. Lab Exercises
5. Exam Paper

Evaluation Methods:

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|-----------------------|--------|
| 1. Quizzes (4) | 20 pts |
| 2. Lab Exam (3) | 30 pts |
| 3. Question Paper (1) | 30 pts |
| 4. Project (1) | 10 pts |
| 5. Homework (2) | 10 pts |

Resource Persons:

1. Prof. Dayanand Ambawade
2. Dr. Deven Shah (Terna COE, Nerul)
3. Prof. Radha Shankarmani
4. Prof. Manish Parmar

Venue:

1. Lectures: Conference Hall (Ground floor New bldg.), (008) SPIT
2. Lab: IT Lab (4th Floor) SPIT

Course Fees:

Participants from Academic Institutes: Rs. 6000 /- only
Participants from Industry: Rs. 6500/- only

Registration:

Cheque or DD drawn in the name of “PRINCIPAL, Sardar Patel Institute of Technology” payable at Mumbai should reach on or before 18th Nov, 2011 along with application form.

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21st November to 2nd December 2011

Name: _____

Designation: _____

Qualification: _____

Experience: _____

Institution: _____

Address: _____

Email: _____

Tel: (O) _____ (Extn.) _____

(M) _____ (R) _____

Payment by Cash / Cheque / DD:

Chq./DD No: _____ Dated : _____

Bank _____

Amount Rs: _____

(Cheque / DD, should be in the name of
“PRINCIPAL, Sardar Patel Institute of Technology”, payable at Mumbai)

Signature of the participant