

One Week Short Term Course
on
Recent Advances in Communication
Networks and Systems



Jan. 27-31, 2018

Venue:

Department of Electronics Engineering,
S. V. National Institute of Technology,
Surat – 395007. Gujarat. India
Ph:0261-2201552
Website: www.svnit.ac.in

Coordinators:

Dr. Z. M. Patel, Dr. A. S. Mandloi,
Dr. S. N. Shah,

REGISTRATION FORM

One Week Short term course on
Recent Advances in Communication Networks and
Systems (RACNS)
27-31 Jan. 2018

Name: _____

Designation: _____

Qualification: _____

Organization: _____

Postal Address: _____

Experience: _____ Yrs

Email: _____

Telephone: _____

PAYMENT DETAILS:

DD No. _____ Date: _____

Rs. _____ Bank: _____

Signature and Seal of Head of Institution (below)

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Scanned copies of completed form and DD are to be sent

(by E-mail only) to:

racns2018@gmail.com on or before **20th Jan., 2018**

DD can be drawn in favour of “Director, SVNIT-CCE,
Surat” payable at Surat. The final selected candidates will
be informed through E-mail only by **23rd Jan. 2018**.

Who can attend

- > Engineering students (PG/PhD)
- > Academicians from engineering colleges
- > Persons from related industries

Course Fee

PG/PhD Students	Rs. 250
Faculties from Engg. Inst.	Rs. 500
Persons from Industry	Rs. 1000

Accommodation and food

Furnished accommodation will be provided to
outstation candidates upon prior request in the
hostel's guest house of the SVNIT on **payment basis**.
The room tariff is Approx. **Rs. 400 (for AC)** and **Rs.
300 (for non AC)** per person per day on twin
sharing basis. Only **breakfast** will be provided to the
participants every day. **The participants will not
be paid TA and DA.**

Contact Persons

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Mob. 7016786449
- (2) Dr. Z. M. Patel
Mob. 9898698793

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Ichchhanath, Surat- 395007. Ph: 0261-2201552

One Week Short Term Course on
**Recent Advances in Communication
Networks and Systems**

About the Program

The short term course is aimed to unveil the latest developments in communication networks as well as systems. Novel communication architecture, systems and networking protocols are changing the landscape of telecommunication infrastructure to cater the need of future generation networks and systems. This require understanding from the physical layer all the way to the application layer in realizing communication networks with a focus on bridging the gaps between theory, algorithms and practical system implementations. With new advancement in technologies, awareness among practicing engineers, scientist, academician and students becomes necessary. Therefore, we planned a short course that focuses on recent advances and developments on communication, networking and system. It is also hope that this course will bring together academic and industrial researchers to identify and discuss technical challenges and recent results. Some major highlights of Course contents are

- Cognitive Radio
- Scalable OFDM
- MIMO Technology
- Wireless Networks
- Adhoc Networking and Routing

- QoS Mechanisms
- Packet Scheduling algorithms
- Optical Networks
- Fiber optic communication

After completing this workshop, you will be able to

- Get intuitive understanding of communication networks, its challenges and future research prospects.
- Understand the role of OFDM and MIMO in enhancing wireless technologies.
- Realize importance of Packet Queuing and Scheduling algorithms for QoS guarantee
- Get hands on practice to feel the theory to practical transformation

About the Institute

Sardar vallabhbhai National Institute of Technology (SVNIT), Surat spread over an area of 250 acres in one of the 30 NITs. The Institute was established in 1961 as one of the RECs. University Grants Commission, has declared the Sardar Vallabhbhai Regional College of Engineering & Technology (SVREC), Surat to Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat with status of “Deemed University” with effect from 4th December 2002. The Institute has been granted the status of ‘Institute of National Importance’ w.e.f. Aug. 15, 2007. At present, the Institute is offering Six UG Programmes, Eighteen PG Programmes and Three M.Sc. Five Years Integrated Programme. PhD

programmes offered by institute covers various streams of engineering and applied sciences. Gujarat Government has given responsibility as **an Anchor cell** of the Institute to train manpower in the area of Engineering and Auto-sector for the need of small and big industry of Gujarat. SVNIT has an excellent placement record with a number of top ranking companies visiting the campus every year.

About the Department

In the year 1983-84, the UG program in Electronics Engineering was introduced. Electronics Engineering Department is conducting two M. Tech. programs with specialization in “Communication Systems” and “VLSI & Embedded Systems”. The department also offers PhD programme to enhance our research endeavor. Department receives large no. of **research project grants from ISRO, MHRD, AICTE, DRDO, DST, DIT** and other funding agencies. Department have developed in collaboration with Agilent Technologies for wireless communication. Department is flourished with state of the art laboratories for wireless communication, Embedded systems, VLSI Lab, Signal Processing Lab, RF & Microwave Lab, etc..

NOTE:

Only 30 participants will be selected on first come first serve basis. Intimation of selection will be only through email. Limited accommodation would be provided on payment and first-cum-first-serve basis.