

About the Institute

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as a National Institute of Technology with the status of 'Deemed to be University' in 2002. SVNIT at present is one of the most prestigious Engineering institutions of the country, and has contributed in producing many outstanding engineers in India and abroad. It is running seven undergraduate and seventeen postgraduate programmes and Ph.D. Programme in all disciplines of Engineering and applied sciences.

Special attention is given to interdisciplinary research. Institute receives large no. of research project grants from MHRD, AICTE, DRDO, DST, DIT and other funding agencies.

About the Department

The Electronics Engineering Department was Established in 1982. Department is progressing at a rapid pace with the development in terms of infrastructure facilities, upgraded syllabi and learned faculty. Besides offering B. Tech. (Electronics & communication) the department also offers M.Tech. (Communication System) and M.Tech. (VLSI & Embedded Systems) and offers Ph. D. program. The department has strong research impact in the diverse areas of Electronics & Communication.

The focus areas of research are Advanced wireless technologies, RF Antenna Design, Optical Sensors, Free Space Optics, Image processing, Signal processing based on AI, VLSI, Embedded Systems, Nanoelectronics and many more. Department laboratories are equipped with latest software. Department has organized International Conferences and a number of Short Term Training programmes / workshops in many areas of expertise.

About the Program

This program is designed to endow theoretical antenna concepts with respect to the recent trends in 5G and IoT RF technology. The program provides an overview of current trends, advances and research outcomes to equip the attendees with the cutting edge technologies such as design aspects of IoT & smart antennas, enabling technologies of IoT & RF energy harvesting. The course also helps to improve the knowledge in advance RF antenna design for 5G MIMO technologies.

Objective of the Program

- ✓ Provide insight of the recent trends in RF Antenna Technology
- ✓ Overview of Internet of things
- ✓ Enrich the concepts regarding 5G antenna technology.
- ✓ Convey the design concepts of IoT & Smart Antennas
- ✓ Develop design fundamental underlying the MIMO antennas.

Course Contents

- ✓ Recent Trends of RF
- ✓ Powering IoT from RF Energy
- ✓ Enabling Technologies for IoT
- ✓ Antennas for IoT
- ✓ Antennas for Wireless energy harvesting
- ✓ MIMO Antenna Technology
- ✓ MIMO and Cognitive Radio for Sub-6GHz 5G Applications
- ✓ Smart Sensors for IoT
- ✓ Directional antennas for IoT
- ✓ Hands-on Antenna simulation using advanced Softwares

TEQIP III

Sponsored

One Week Online Short Term
Training Program

On

**RECENT TRENDS in RF
TECHNOLOGY for 5G and
IoT**

October 12 - 16, 2020

Coordinators

**Dr. (Mrs.) Shilpi Gupta
Dr. (Mrs.) Kirti Inamdar**

Organized By



Electronics Engineering Department
Sardar Vallabhbhai National Institute of Technology
Surat – 395007,
Gujarat, India

Resource Persons

The resource persons for the program shall include faculty from prestigious institutes. Academicians in the respective field concerned from IISTs/IITs/NITs are invited to deliver lectures. Speakers from industries are also expected as part of the course. Furthermore, demonstration of latest software's from reputed firms also is listed.

Eligibility for Participation

- ✓Academicians in any discipline from the engineering institutions
- ✓Industry Personal
- ✓Research Scholars
- ✓UG/ PG Students

Program includes

Five Days Training will be taken by a group of experts from various reputed institutes like IIT, IIIT, NIT and industry for delivering sessions. Mode of training is Instructor-led live online.

- ✓ Instructor-led live online learning & Interactive Query Session.
- ✓Training PPTs
- ✓Participants will get recorded sessions after completion of training
- ✓e-Certificates will be provided to the active participants

Important dates

Last date of registration: **08/10/2020**
Confirmation of selection through e-mail :
10/10/2020
Schedule of the course: **12/10/20 -16/10/20**

Application Form

TEQIP (III) SPONSORED

**ONE WEEK STTP (Online Mode)
ON**

**RECENT TRENDS of RF Technology
for 5G and IoT**

October 12-16, 2020

Name and Address of the applicant:

Gender: M/F ___ DOB: _____ Age: ___

Qualification: _____

Experience: _____

Designation: _____

Mobile No.: _____

Email: _____

Address of Sponsoring Authority:

PAYMENT DETAIL:

Transaction details (NEFT/IMPS/RTGS
receipt number) _____ Date _____

Rs. _____ Bank Name: _____

Signature of the Applicant

The applicant will be permitted to participate in the above program if selected.

Kindly attach institute ID card copy along with.

Course Registration Fees

Participants	Proposed Fees (Rs.)
Academicians / Scientist / Researchers	600
Students: Degree/PG/Ph.D.	300
Industry Person/Engineers	5000

Registration and General Information

Prospective applicants for the participation in the course should register through following link
<https://forms.gle/h9W3zaPflVcXnCZD8>

or send the duly filled scanned copy of the application form to the following email id
rtrft2020@gmail.com

The non-refundable registration fee should be paid online through net banking to “Director SVNIT TEQIP IRG” A/C No: 0277101028663, Canara Bank, Nanpura Branch Surat, IFSC: CNRB0000277. While paying through the net-banking, in remarks the purpose is to be written as “RTRT 2020 Registration Form”. (kindly save the receipt or take screenshot of the payment).

UG/PG/Research scholars have to attach bonafide certificate or photocopy of their valid identity card along with registration form.

Address for Communication

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