ABOUT NIT TRICHY

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli (NITT), was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering the needs of man-power in technology for the country. The institution offers undergraduate courses in ten branches and post graduate courses in twenty-eight disciplines of Science, Engineering & Technology besides M.S.(by Research) and Ph.D. in all the departments. According to the Ministry of Human Resources Development, NIRF 2020, NIT Trichy has been ranked as the 1st NIT among all the NITs and 9th among all the Engineering institutes in India. The Institute has signed MoUs with various Educational Institutions and Industries both in India and abroad as well with an aim to promote collaborative research and consultancy.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) was established in the year 1968. The vision of the department is to provide valuable resources for industry and society through excellence in technical education and research. The Department offers Under Gr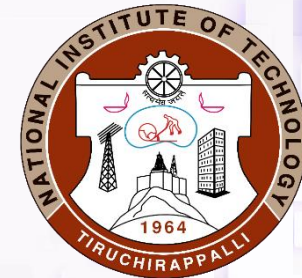aduate, Post Graduate, M.S. (By Research) and Ph.D. degree programs. Research in the department focuses on various disciplines such as Communication Systems, Wireless Networks, Signal and Image Processing, RF MEMS, Microwave Antennas, MIC, Optical Communication, Photonics and VLSI systems.

CONTENTS OF THE WORKSHOP

➢ Orthogonal Frequency Division Multiplexing (OFDM)

➢ New Waveforms for 5G

➢ Millimetre Wave Communications

➢ Stochastic geometry analysis for 5G Wireless

➢ Spatial Modulation

➢ Co-operative Communications

➢ Non-Orthogonal Multiple Access (NOMA)

➢ Reconfigurable Intelligent Surfaces (RIS) for Beyond 5G

➢ Metamaterial Antennas for Wireless Communication Applications

➢ Internet of Things (IoT)

➢ System Modelling using SystemVue

One Week Online Workshop On
Enabling Technologies for 5G and Beyond 5G Wireless Communication Systems
19th – 23rd April, 2021

Organized by

Department of Electronics and Communication Engineering, National Institute of Technology Tiruchirappalli, Tamil Nadu-620015, India.

WORKSHOP CO-ORDINATORS
Dr. V. Sudha
Dr. R. Pandeeswari
Dr. D. Sriramkumar

OBJECTIVE OF THE WORKSHOP

Objective of this workshop is to disseminate the knowledge on advancements in wireless communication systems and their research aspects toward 5G and Beyond 5G Technologies for faculty members, Industrial delegates, research scholars and UG / PG students

RESOURCE PERSONS

The resource persons are from various core industries and faculties of NIT, Tiruchirappalli.

WORKSHOP TIMING

Workshop will be conducted from 10.00 AM to 04.00 PM on all the five days.

PRE-REQUISITES

The participants expected to have basic knowledge of wireless communications, should have installed Cisco WebEx in their PC/laptops with internet connectivity.

MODE OF WORKSHOP

Workshop will take place through online platform (Cisco WebEx). The schedule of the programme and the online meeting link will be shared to the participants through their registered email id.

PAYMENT PROCEDURE

1. Go to the SBI-collect using the link **https://www.onlinesbi.com/sbicollect/icollecthome.htm**

2. Select the state as '**Tamil Nadu**', and category as '**Educational Institutions**'.

3. Select "**conference and workshop NIT Trichy**".

4. Select Payment Category as '**ENAB5G_2021_ECE**'

5. Make payment through UPI/Net Banking/ Credit card/ NEFT.

6. Once the fee is paid, fill in the necessary details and upload the payment receipt in the link below:

https://forms.gle/3E6A4ZnKeJtcpYKh7

REGISTRATION FEE

Category	Amount (INR)
UG/PG students	600/-
Research scholars	750/-
Faculty member	850/-
Industry personnel	1000/-

IMPORTANT INSTRUCTIONS

1. Only limited participants are allowed for the workshop.

2. The last date for registration: **16-04-2021.**

3. Acceptance for the shortlisted participants will be intimated through email.

4. Registration fee to be paid by using SBI - collect only.

5. The payment for the registration includes GST and other taxes.

6. Upon successful completion of one-week online workshop, the e-certificate will be given to the participants.

CONTACT INFORMATION

For any further queries and clarifications,

Email: **5g.ece.nitt@gmail.com**

Contact:

Mr. I. Parthiban,   (9791469733)
Mr. Md. Rafi,   (8978327735)