

5G INNOVATION CENTRE IN CIT

The 5G Innovation center sponsored by TEQIP is established in March 2019, to foray research and innovation into the 5G domain.

The Innovation centre with its faculty expertise, equipment and facilities is open for research and consultancy works by research scholars and industry. It can be used for design of modern communication system and antenna / RF System design and for evaluation of existing equipment upto frequency of 40 Ghz.

The 5G Innovation Centre is equipped with following latest state-of-the-art equipment:

- 40 Ghz Signal generator and Analyser
- SystemVUE - Communication system design and simulation software
- ADS – and HFSS antenna and RF circuit design software.

OUR VISION FOR FUTURE

- To design fabricate and test Beam forming and smart antennas for 5G and IoT applications for multiple communication standards operating upto 40GHz.
- To propose physical and network layer solutions for new generation wireless networks targeting telecom equipment manufacturers.



5G Innovation Centre Department of ECE

Coimbatore Institute of Technology
Coimbatore -14.
(Government Aided Autonomous Institution)



IETE SPONSORED
ONLINE WEBINAR ON

EVOLUTION OF 5G NEW RADIO

DEC - 8th, 2020

FN: 10 am - 1 pm

AN: 2 pm - 3 pm

Registration

An online payment of Rs.200 is to be made to the following bank account for proceeding with the registration.

Note the reference number of the payment to be included in the registration form.

Name: CIT IETE STUDENTS FORUM
Account No.: 899114957
IFSC Code: IDIB000S107

Registration link

<https://forms.gle/z3MYVwo6Pzmo2Le5A>

Note:

- The registration is free for UG students
- Google meet link for the webinar will be shared through e-mail for the registered participants
- E-certificate will be provided for the attended participants

About the College

The V.Rangasamy Naidu Educational Trust devoted to the cause of promoting Technical and Scientific Literacy, established Coimbatore Institute of Technology (CIT) in 1956. CIT is one of the most reputed and prestigious educational institutions in South India. The Institute endorsed by world class research and development attained autonomous status in 1987 and is affiliated to Anna University, Chennai.

About the Department

The Department of Electronics & Communication Engineering was established in the year 1968. It has been very well equipped with highly commendable facilities and is effectively guided by a set of devoted and diligent staff members. The Department has also successfully completed many projects with grants received from various funding agencies.

About the Webinar

5G is evolving - from an adjunct technology to a solid communications standard that will change how we communicate with each other and the things around us. With exciting new capabilities and features, 5G will open up countless new use cases. Watch this webinar to explore to where 5G is headed, what new technologies will be introduced, and how these new capabilities will affect the overall 5G evolution.

Target Participants

This workshop is aimed at:

- Faculty from Govt./Govt. aided Institutions
- Research Scholars and Practicing Engineers
- Industries and R&D establishments
- UG & PG Students

Organizing Committee

Chief Patron

Dr.S.R.K.PRASAD, Correspondent, CIT.

Patrons

Mr.S.RAJIV RANGASAMI Director, CIT.

Dr.R.PRABHAKAR, Prof. Emeritus and Secretary, CIT.

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Chairman

Dr.A.RAJESWARI, Professor & Head,
Department of ECE, CIT.

Coordinators:

Dr.A.Rajeswari, Professor and Head,
Department of ECE, CIT

Ms.D.Diana Josephine, and Mr.P.Satheesh Kumar,
Assistant Professors, Department of ECE, CIT.

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Mobile No: 9789130028

Speakers



Dr. Koushik Guha

Senior Member of IEEE,
Asst. Professor (Grade-I), Dept. of ECE,
Assoc. Dean of Students Welfare & Nodal Officer
of Scholarships,
National Institute of Technology Silchar, Assam.

Title: RF MEMS Technology for 5G applications

Time Slot: 10am - 11am



D. Sriram Kumar, Ph.D

Senior member of IEEE, Professor, Dept of ECE,
Head-Siemens Center of Excellence (CoE),
National Institute of Technology,
Tiruchirappalli.

Title: Antennas for future wireless applications

Time Slot: 11am-12pm



Ms. Annapurna Pradhan

Ph.D. Research Scholar, Department of (EE),
National Institute of Technology Rourkela |
NITR, Odisha.

Title: Machine Learning for 5G and beyond

Time Slot: 12pm-1pm



Dr. A. Rajeswari,

Professor & Head, Dept. of ECE,
Coimbatore Institute of Technology.

Title: Channel models for mm-wave Communication

Time Slot: 2pm-2.30pm



Ms. D. Diana Josephine,

Assistant Professor, Dept. of ECE,
Coimbatore Institute of Technology.

Title: 5G NR coexistence

Time Slot: 2.30pm-3.30pm