

5G INNOVATION CENTRE IN CIT

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

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

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

- i) 40 GHz Signal generator and Analyser.
- ii) System VUE - Communication system design and simulation software
- iii) ADS - and HFSS antenna and RF circuit design software.

OUR VISION FOR FUTURE


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

REGISTRATION GUIDELINES

There is no REGISTRATION FEE.

The participants can register for the online workshop using the following Google Form link on or before 16th March 2021.

<https://forms.gle/5YmFENDHndVvidcX6>



Gmeet link to join the online workshop will be communicated through email once the participation of the participants is confirmed on 17th March 2021.

For Registration and details please contact:

Dr. I.S.AKILA
Assistant Professor,
ECE Department, CIT
Emails: akila@cit.edu.in
Mobile: 9442450945

**TEQIP- III Sponsored Two days Online
Workshop On
5G Communication: Key Enabling Technologies
19th March 2021
&
20th March 2021**



**TEQIP Sponsored
5G Innovation Centre
Department of Electronics and Communication
Engineering**

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

ABOUT THE INSTITUTE

The V. Rangasamy Naidu Educational Trust devoted to the cause of promoting Technical and Scientific Literacy established the 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. The Institute features strong Academic-Industrial Interaction and high quality of research and consultancy. The Institute has the services of competent and qualified faculty, and the guidance of visionary management to enhance the quality of education at all levels and maintains its pre-eminent position in emerging globalization.

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 offers an Under Graduate program in ECE and Post Graduate program in Communication Engineering. The Department has also successfully completed many projects with grants received from various funding agencies. The department has established the 5G Innovation Centre in March 2019 to foray research and innovation into the 5G domain.

ABOUT THE WORKSHOP

5G is the next-generation standard for wireless communication with vastly increased capacity, lesser latency, and faster speeds. 5G is needed to enable high definition content streaming for communication and advanced IoT Applications. 5G will be capable of supporting millions of devices making it perfectly suited to connect IoT, medical devices, wireless sensors, industrial equipment, and agricultural machinery to a single network. The first phase of 5G standards has been finalized and the second set of standards will be finalized shortly. 5G Trials are in advanced stages in various parts of the world. Networks and services will be deployed in stages over the next several years. 5G is expected to generate a wide variety of new applications, uses, and business cases in the near future.

TARGET PARTICIPANTS

This workshop is aimed at:

- Faculty from CIT & from other Institutions
- PG & Research scholar and Practicing Engineers
- Industries and R&D establishments

ORGANIZING COMMITTEE

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Dr. S. R. K. PRASAD,
Correspondent

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

Coordinators:

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

Dr. I. S. AKILA,
Assistant Professor, ECE Department

RESOURCE PERSONS

The course content will be delivered by



Dr. Srikanth, CKO,
Nanocell Networks Pvt
Ltd, Bangalore



Mr. Nithin Ravi,
Application Engineer,
Tetcos, Bangalore



Dr. P. Sudharsan,
Assistant Professor,
ECE Department, National
Institute of Technology,
Tiruchirappalli



Dr. A. Rajeswari,
Professor & Head,
ECE Department, CIT



Dr. I. S. Akila,
Assistant Professor,
ECE Department, CIT