

## RESOURCE PERSONS

The course contents will be delivered by Scientists from Premier R & D Labs across India Experts from Industries, Academics and Consultants.

## INFORMATION FOR PARTICIPANTS

This workshop is for the faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government and Industry. The workshop will be conducted in online mode. Participants willing to participate in this online workshop should have the provision of laptop/desktop/smart phone with good quality internet connections and other audio-visual facilities, as required for online training. Course Registration is free for all participants. Seats are limited and the participants are selected by organizers on first come first serve basis. Shortlisted candidates will be informed through their email. E-Certificates will be issued only to the participants having 80% of attendance.

## TARGET AUDIENCE

UG & PG Students (Engineering)  
Faculty/ Research Scholars (Engineering)  
Engineers from Industries

## IMPORTANT DATES:

- Last date for submission : 01/11/2022
- Intimation of selection : 02/11/2022

## ORGANIZING COMMITTEE

### Chairman / Convenor

**Dr. A. RAJESWARI**

Principal & Head, Department of ECE  
Coimbatore Institute of Technology

### Member Secretaries

**Dr. N. DEEPA**

**Mrs. S.BALA DHANALAKSHMI**

**Mrs. R.SOWNDHARYA RANI**

Assistant Professors, Dept. of ECE  
Coimbatore Institute of Technology

## 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.



**DRDO SPONSORED**

**Two Days**

**ONLINE WORKSHOP**

**On**

***Machine Learning Algorithms  
for  
Wireless Communication Networks***

***during***

**04.11.2022 and 05.11.2022**

***Organized by***

***Department of Electronics and  
Communication Engineering***

***Coimbatore Institute of  
Technology, Coimbatore –14,  
TamilNadu, India  
[www.cit.edu.in](http://www.cit.edu.in)***

### **ABOUT THE INSTITUTION**

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. The Institute features strong Academic-Industrial Interaction and a high quality of research and consultancy. CIT, managed by a pedigreed lineage for the past 60 years, enjoys international repute. The Institute has the services of competent qualified faculty, and visionary management to enhance the quality of education at all levels and maintain its position in emerging global scenario.

### **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 Under Graduate programme in ECE and Post Graduate programme in Communication Engineering. The

Department has also successfully completed many projects with grants received from various funding agencies.

### **ABOUT THE COURSE**

Wireless Communication technology is the fastest growing technology today. There has been unprecedented growth in wireless systems, services and applications. The developments in signal processing, Techniques for Radio frequency circuit design fabrication and many other developments have made it feasible to realize wireless communication system design. Wireless Communication networks support extremely high data rates and radically new applications. Machine learning algorithms are promising tools to attack the big challenge in wireless communications and networks imposed by the explosively increasing demands in terms of capacity, latency, efficiency, flexibility, compatibility and quality of experience. Machine learning for wireless communications has been growing explosively and is becoming one of the biggest trends in academic, research and industrial communities.

The objective of the course is to give an overview of Machine learning Algorithms for wireless Communication networks.

### **REGISTRATION FORM**

## **DRDO SPONSORED**

Two Days  
ONLINE WORKSHOP  
On

*“Machine Learning Algorithms for  
Wireless Communication Networks”  
during*

**04.11.2022 and 05.11.2022**

Interested Participants can register through the link given below before 01/11/2022 :

Link for Registration:

<https://forms.gle/Zzp86s7u2MwAAJTr8>



### **Contact Details:**

**Dr. N. DEEPA,**

**Mobile No:** 9629678263

**Email:** [deepa.n@cit.edu.in](mailto:deepa.n@cit.edu.in)

**Mrs. S.BALA DHANALAKSHMI**

**Mobile No:** 9787396297

**Email:** [baladhnlakshmi.s@cit.edu.in](mailto:baladhnlakshmi.s@cit.edu.in)