

RESOURCE PERSONS

The course contents will be delivered by

- Prof. Tapan K. Gandhi, SMIEEE, FIETE, Associate Professor, Department of Electrical Engineering, Indian Institute of Technology, Delhi.
- Dr. U. Srinivasulu Reddy, Assistant Professor, Department of Computer Applications, National Institute of Technology, Tiruchirappalli.
- Amit Chatterjee, IoT Leader, Intel Corporation, Bengaluru working on scaling partner ecosystem and solutions, Bengaluru.
- AkshayNambi, Senior Researcher, Microsoft, Bengaluru, working on the design of end-to-end AI and IoT solutions for societal problems at scale.

INFORMATION FOR PARTICIPANTS

This workshop is only for 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 a laptop/desktop/smartphone with good quality internet connections and other audiovisual facilities, as required for online training. Course Registration is free for all participants. Seats are limited (only 50) and the participants are selected by organizers on a first come first serve basis. Shortlisted candidates will be informed through their email. E-Certificates will be issued only to the participants who attend all the sessions of the programme.

IMPORTANT DATES

- Last date for submission: 19th March 2021
- Intimation of selection: 22nd March 2021

ORGANIZING COMMITTEE

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Assistant Professor, Dept. of ECE

CONTACT DETAILS

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IoT CENTRE @ ECE, CIT

IoT Centre was established in January 2018 in our department to explore the potential of crowdsourcing and the Internet of Things for multidisciplinary research with more end-user interactions.

The centre with its faculty expertise, equipment, and facilities is open for research and consultancy works by research scholars and industry. The lab provides a venue to investigate the variety of emerging technologies such as smart sensing, pervasive connectivity, virtual interfaces & ubiquitous computing and their potential applications in consumer, retail, healthcare and industrial contexts. For more details visit: www.citeceiot.in.



TEQIP III Sponsored
Two Days
ONLINE WORKSHOP
On

IoT and Machine Learning algorithms:
Towards Smart Ecosystems
during
25.03.2021 to 26.03.2021



Organized by
IoT CENTRE ECE CIT
&

Department of Electronics and
Communication Engineering

Coimbatore Institute of Technology

Coimbatore -14,
TamilNadu, India
www.cit.edu.in
www.citeceiot.in

ABOUT THE COLLEGE

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. CIT, managed by a pedigreed lineage for the past 60 years, enjoys international repute. 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 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

The Internet of Things (IoT) has evolved from the convergence of wireless technologies, microsystems, and the Internet. All things are connected together and all information is communicated over standard and different protocol domains & applications. According to NASSCOM, the IoT market in India is expected to reach \$30 billion by 2025. The forecast of such significant growth shows that IoT will become the fabric of modern societies to realize the vision of smart environments. The integration of IoT with a smart environment extends the capabilities of smart objects by enabling the user to monitor the environment from remote sites. This workshop provides an overview of recent state-of-the-art IoT technologies and machine learning algorithms for smart eco systems.

COURSE OBJECTIVE

To give an overview of IoT technologies and machine learning algorithms for smart ecosystems.

COURSE CONTENTS

- IoT protocols, sensing and actuation
- Smart city IoT solutions and green technology
- Application of Machine Learning on IoT
- Machine Learning for IoT security and privacy support
- Bio-inspired techniques for IoT
- IoT- use cases: Environmental monitoring, Smart home, Smart metering
- India IoT solutions.

REGISTRATION FORM

Online workshop
On

IoT and Machine Learning algorithms:
Towards Smart Eco systems

During
25.03.2021 to 26.03.2021

NAME :

QUALIFICATION: _____

DESIGNATION : _____

DEPARTMENT : _____

ORGANISATION : _____

SEX: MALE :

FEMALE:

EMAIL :

PHONE(S):

LINK FOR REGISTRATION:

<https://forms.gle/7mNcbmlbD2xpMHZz5>

DECLARATION BY THE APPLICANT

The above-mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. I shall attend all the sessions of the course for the entire duration.

Place:

Date:

Signature of Applicant