About the Department

The Department of Electronics and Communication Engineering has experienced considerable growth since its inception in 1976. The vision of the department is to focus on the incubation of innovations in the areas of electronic design/ fabrication, and communication technologies, which are needed to address the growing challenges of tomorrow. The overall aim is to harbor a sustainable, and continuously evolving scientific, technological and educational environment which is both internationally adapted and industry relevant.

About the Institute

Delhi Technological University (DTU), formerly known as the Delhi College of Engineering (DCE), is a public engineering university located in New Delhi, India. It was established in 1941 as Delhi Polytechnic and was under the control of the Government of India. The college has been under the government of the National Capital Territory of Delhi since 1963 and was affiliated with the University of Delhi

from 1952 to 2009. In 2009, the college was given the state university status, thus changing its name to Delhi Technological University. It offers courses for Bachelor of Technology (B.Tech), Master of Technology (M.Tech), Doctor of Philosophy (Ph.D.), and Master of Business Administration (M.B.A.) and contains fourteen academic departments with a strong emphasis on scientific and technological education and research.

About the Programme

The objective of this FDP is to introduce participants to emergent computing paradigms, technologies, services and business models associated with the next generation wireless networks. It also provides an overview of future trends and ongoing research in this new and fast growing areas: research problems and applications of Labview, Simulink, GNU Radio for Software defined Radio and reconfigurable intelligent surfaces; to study the principles, research problems and applications of device, softaware and user mobility, IoT and deep learning techniques.

One Week Faculty Development Program Titled

"5G/6G Technologies for Wireless Systems"

16 Dec - 20 Dec 2024

Organized by

Department of Electronics and Communication Engineering, Delhi Technological University, Delhi-42

Contents

- Spectrum Sharing
- Machine Learning and Artificial Intelligence for Wireless Networks
- Li-fi & Underwater Networks
- IoT and Wireless Sensor Networks
- Dielectric Resonator Antenna
- Terahertz Communication
- 5G Use Cases and Applications
- Software Defined Radio
- Reconfigurable Intelligent Surfaces
- Hands-on training sessions on Simulink, 5G Private Networks, Universal Software Defined Radio

Important Dates

Last Date of Registration - 31.10.2024
Notification to the Participants- 10.11.2024
Date of FDP- 16.12.2024 - 20.12.2024

Venue

ECE Department,
Delhi Technological University, Delhi-42

Organizing Committee

Chief Patron

Prof. Prateek Sharma
Vice Chancellor, DTU, Delhi

Convener

Prof. O.P. Verma
HOD, ECE Department, DTU, Delhi

Coordinator

Dr. Rohit Kumar
Assistant Prof., ECE Department, DTU

Resource Persons

Prof. Shankar Prakriya, IIT Delhi
Dr. Sumit Darak, IIIT, Delhi
Dr. Pinku Ranjan, IIIT, Gwalior
Dr. Suman Kumar, IIT, Ropar
Dr. Rohit Kumar, DTU
Dr. Niharika Aggarwal, Mathworks
Mr. Deepak Solanki, Velmenni Research
Mr. Pandidurai, Tenet Technetronics

Organising Members

Dr. Anukul Pandey
Dr. Pankaj Dahiya
Mr. M. Ganesh
Dr. Sachin Taran

Mr. Rahul Thakur
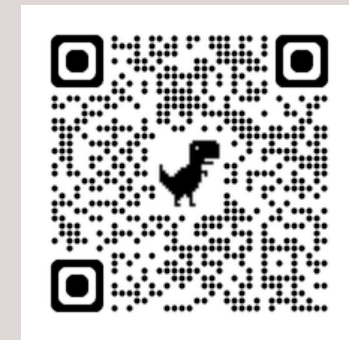Dr. Manjit Kumar
Dr. Harikesh
Mr. Varun Sangwan

Targeted Participants

The program is open to Assistant Professors/Associate Professor/Ph.D. Scholars/PG students of various disciplines from various institutes of the country

Registration

- Total number of seats is limited to 40.
- Registration by first come first serve basis.
- No Registration fees is required for attending this FDP.
- Registration Link/QR Code:

https://forms.gle/9gh63K31EQ1GcftP9

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