TARGET AUDIENCE

This five day short term course is deliberately designed for the faculty members of the AICTE approved institutions (Polytechnic Colleges and Engineering Colleges) and staff of the host institutions.

RESOURCE PERSONS

Faculty experts from premier academic universities/institutions and invited experts from leading industries, research and development organizations.

PARTICIPATION CERTIFICATE

E-Certificate will be issued based on the **70 % attendance, 5 0 % test score and submission of feedback for the program.**

ADDRESS FOR CORRESPONDENCE

Mrs. T. Suganya ,

Lecturer/Instrumentation and Control Engineering
Faculty Development Training Centre
Government College of Technology
Coimbatore - 641 013
Email: ftc@gct.ac.in

OBJECTIVE

The objective of the FDP program is to impart strong theoretical background along with practical experience in the field of Wireless Communication and Networks. This modular approach will cover the front-end signal processing algorithms, Emerging Wireless technologies such as Massive MIMO, NOMA, Energy Harvesting techniques with in depth investigation of system performance through Capacity and Bit-Error Rate (BER) analysis. It also covers the application of optical medium in wireless communication with special emphasis on Free Space Optics. The eminent faculty members from the leading technical universities/institutions will deliver the lectures.

COURSE OUTLINE

- ❖ Wireless Channel Modeling
- ❖ Multiple Input Multiple Output (MIMO) Wireless system.
- ❖ Non orthogonal Multiple Access (NOMA)
- ❖ Antenna Design for 5G and Beyond Networks
- ❖ Microwave Filters
- ❖ Cognitive/Software Defined Radio Networks
- ❖ Optical Wireless Communication
- ❖ Deep/Machine Learning Methods for WC

Tamil Nadu State Government Sponsored Five Day Online FacultyDevelopment Program

On

Next Generation Wireless Communication System Design and Simulation

19-09-2023 to 23-09-2023

Organized by

Faculty Development Training Centre
Government College of Technology
Coimbatore - 641 013, Tamilnadu, India.

&

Department of Electronics and Communication Engineering
Government Polytechnic College
Srirangam, Tiruchirappalli-620 012
Tamilnadu, India

ABOUT GCT, COIMBATORE

Government College of Technology, Coimbatore formerly known as the Arthur Hope College of Technology, was started in July 1945 to give high priority to Technical Education. The institute was renamed as Government College of Technology and affiliated to University of Madras in 1951. The institute offers nine UG and eleven PG programs with recognized research supervisors to pursue M.S. (by Research) and Ph.D. programs. The institute was granted full autonomy for all the UG and PG courses from the academic year 1987-88. Each department has well qualified faculty members and excellent infrastructural facilities. The institute received TEQIP funds in Phase I, II and III of MHRD project. The institute is accredited by NAAC with 'A' grade.

ABOUT THE FACULTY
DEVELOPMENT TRAINING CENTRE

The Faculty Development Training Centre was established in the year of 2019 to provide technical trainings to Engineering and Polytechnic college faculty members by Tamil Nadu State Government. It is equipped with sophisticated smart class rooms and tutorial rooms. It provides boarding and lodging facilities to resource persons and participants during the training program. The programs are organized to enhance the teaching skills of faculty members.

ABOUT THE INSTITUTION

Government Polytechnic College, Srirangam, Tiruchirappalli-12, was started in the year 2013 with the notion of serving the students from marginalized family and rural areas across the state. The Institution offers 6 Diploma programs in the core fields of engineering stream. The Institution has well-qualified and highly motivated faculty members and well-equipped laboratories to cater to the student needs.

ORGANIZING COMMITTEE

Patron

Dr. K. Manonmani,
Principal, GCT, Coimbatore.

HOD / FDTC

Dr. T. Purusothaman
Professor / FDTC, GCT, Coimbatore

Convenor

Mrs. O. Vijayavenkateswari
Principal (FAC), GPTC Srirangam,
Tiruchirappalli

Dr. N. Mohandas
HoD (i/c)/ ECE, GPTC Srirangam,
Tiruchirappalli

Coordinator

Dr. N. Deepan
Lecturer / ECE, GPTC Srirangam,
Tiruchirappalli

IMPORTANT DATES:

Last date for registration:	**14-09-2023**
Intimation of selection:	**15-09-2023**

Tamil Nadu State Government
Sponsored Five Day Online
Faculty Development Program
On

Next Generation Wireless Communication
System Design and Simulation

19-09-2023 to 23-09-2023

Registration Link:

https://forms.gle/jYkVXMHzhHBNmkhH8

QR Code:

REGISTRATION

➢ No Registration fee.
➢ Faculty members from AICTE approved institutions (Polytechnic Colleges and Engineering Colleges) are invited to participate in this Program.
➢ Participants will be selected on first-come first-served basis.
➢ Selected candidates will be intimated by E-mail.