

## 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), research scholars, PG Scholars, participants from Government institutions, Industries (Bureaucrats /Technicians /Participants from Industry etc.) and staff of host institutions.

## RESOURCE PERSONS

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

## PARTICIPATION CERTIFICATE

E-Certificate will be issued based on the attendance percentage, assignment score and active participation in the programme.

## 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 this programme is to impart knowledge in implementation perspective of Blockchain technology which is generating significant interest for wide range of applications in India. As the applications for blockchain technology grows, customizing and tailoring the technology to fit multiple use cases. The main applications of blockchain technology are categorizing functionalities and formation of secured framework for any field of applications. Organizations in finance, health-care, professional, and personal services in India, adopt applications of blockchain technology.

## COURSE OUTLINE

- ❖ Basics of Blockchain
- ❖ Use cases of Blockchain
- ❖ Consensus Algorithms
- ❖ Encryption Techniques
- ❖ Blockchain Platforms
- ❖ Crypto Analytics
- ❖ Crypto wallets & Ethereum
- ❖ Solidity Programming & Smart Contracts
- ❖ Decentralized applications(dApps)
- ❖ Blockchain Implementations
- ❖ Blockchain Security
- ❖ Crypto currency and NFT
- ❖ Introduction to Hyperledger & Case study



**Tamil Nadu State Government  
Sponsored  
Five Day Online Faculty Development  
Programme On**

**Blockchain Technology and its  
Applications – An Implementation  
Perspective**

**06-02-2023 to 10-02-2023**



**Organized by**

**Faculty Development Training Centre**

**Government College of Technology**

Coimbatore - 641 013, Tamilnadu, India.

&

**Department of Information Technology  
Government College of Engineering, Erode**

Erode – 638 316, 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 programmes with recognized research supervisors to pursue M.S. (by Research) and Ph.D. programmes. 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 programme. The programmes are organized to enhance the teaching skills of faculty members.

## ABOUT THE INSTITUTION

Government College of Engineering, Erode formerly known as Institute of Road and Transport Technology (IRTT) was established in the year 1984 with the notion of serving the students from marginalized family and rural areas across the state. It is one among the state owned AICTE approved institution providing quality Engineering education. The Institute is in a sprawling lush green campus. This Institute offers 7 UG and 2 PG degree courses in Engineering & Technology. The Institute has excellent infrastructure, well-equipped laboratories, library, and highly qualified faculty members and well known for its technical excellence, modern facilities, good performance track record and resourcefulness.

## ORGANIZING COMMITTEE

### Patron

**Dr. P. Thamarai**

Principal, GCT, Coimbatore

### HOD / FDTC

**Dr. T. Purusothaman**

Professor / FDTC, GCT, Coimbatore

### Convenor

**Dr. R. Murugesan**

Principal i/c, GCE, Erode

**Dr. P.Kalyani**

Professor & HOD / IT, GCE, Erode

### Coordinators

**Dr. I. BHUVANESHWARRI**

Assistant Professor (Senior) /IT, GCE, Erode

**Dr. K. MURUGAN**

Assistant Professor / IT, GCE, Erode

### IMPORTANT DATES:

Last date for registration	:	<b>01-02-2023</b>
Intimation of selection	:	<b>02-02-2023</b>
Confirmation by Participants:		<b>03-02-2023</b>



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### Registration Link:

<https://forms.gle/G16qXfzzETPdr7qC8>

### QR Code:



### REGISTRATION

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