



## ONE WEEK ONLINE WORKSHOP ON

# Blockchain Technology and Its Applications

21<sup>st</sup> – 25<sup>th</sup> August 2023

Time: 3:00 PM to 5:00 PM

Department of Computer Applications

National Institute of Technology Tiruchirappalli, Tamil Nadu

(As part of Diamond Jubilee Celebrations of NIT Trichy)

### About NIT Tiruchirappalli:

National Institute of Technology Tiruchirappalli is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 undergraduate & 23 postgraduate programs in disciplines spanning engineering, science, architecture, and management. It has been declared as an Institute of National Importance by the Government of India under NIT Act. NIT Tiruchirappalli retained its No. 1 position among all NITs and 9<sup>th</sup> Rank in Engineering category in the "India Rankings 2023" released by NIRF. The Institute has signed MoUs with various Industries and Institutions both in India as well as in abroad to promote collaborative research and consultancy.

### Objectives of the Workshop:

- To make the participants familiar with the concepts of blockchain technology.
- To disseminate knowledge of Blockchain technology and its potential use cases among students, researchers and faculty.
- To keep participants up to date on current developments and research directions in blockchain technology.

### Major Course Contents:

- Introduction to Blockchain
- Public Vs. Private Blockchain
- Security Aspects of Blockchain
- Cryptographic primitives behind Blockchain
- Cryptocurrencies and Blockchain
- Public Ledgers, Bitcoin, Smart Contracts
- Blockchain Platforms
- Permissioned and Permissionless Blockchains
- Ethereum
- PoS, PoW, NFT
- Research Trends in Blockchain
- Case Studies on Blockchain Technology

### About Computer Applications Department:

The Department of Computer Applications is one of the pioneering departments of the institution that offers PG courses such as MCA and one among the top five offering MCA courses in the country. This department currently offers three full-time PG programmes -MCA, MSc (Computer Science) and M. Tech in Data Analytics. This department comprises of eighteen faculty members and is actively involved in research and in carrying out projects besides teaching. The persistence of the dedicated faculty in maintaining the standards is manifest in the successful placement and in the production of Ph.Ds.

### Resource Persons:

Eminent speakers from IITs, NITs, IIITs, & Industry.

### Target Audience:

UG/PG Students, Scholars, Faculty / Industry Persons.

### Registration Fee Particulars:

Students and Research Scholars	Rs.500/-
Faculty	Rs. 750/-
Industry Participants	Rs.1000/-

Participants need to pay the Fee Online using SBI Collect.

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

Path: sbicollect--> Educational Institutions --> Tamilnadu -> Conference and Workshop NIT Trichy --> CASS BTA 2023

Registration Link: <https://forms.gle/NU6r9yYtCiCDfx4x6>

Last date of registration: 19th August, 2023.

e-Certificate will be provided after completion of the workshop.

**Patron: Prof. G. Aghila,**  
Director, NIT Tiruchirappalli

**Secretary: Prof. Michael Arock,**  
HoD, Computer Applications

### Coordinators

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