



Dr B R Ambedkar National Institute of Technology

Jalandhar, Punjab (India)

Department of Information Technology

Online Short Term Course on Recent Trends in Blockchain Enabled Internet of Things 04th – 08th December 2023

CHIEF PATRON

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Director,
Dr B R Ambedkar NIT Jalandhar

CONVENER

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OBJECTIVE OF THE COURSE

The objective of this FDP/workshop is to present a clear understanding of today's technologies based on Internet of Things and Blockchain Technologies. Dynamic interactive sessions with prominent experts will be conducted in different domains of research such as smart cities, smart health, automated industry, AI/ML and many more. The technical program will include state-of-the-art seminars, discussion/presentation sessions, signifying the Research challenges, insights and practical learning through Hands-on sessions on aforementioned research areas.

TOPICS TO BE COVERED

Expert lectures and extensive hands-on sessions cover following topics:

- *Introduction to Internet of Things*
- *Introduction to Blockchain Technology*
- *Tools, Techniques, and Platforms for IoT and Blockchain Technology*
- *Cryptographic Preliminaries for Blockchain*
- *Blockchain Applications in IoT and related Industry*
- *Consensus protocols and their suitability with IoT*
- *Hands on Solidity programming using Remix IDE and Smart contract deployment on test network*
- *Hands on Blockchain enabled IoT using Arduino*
- *Hands on Blockchain enabled IoT using Raspberry-pi*
- *Use Cases*

Registration fees:

Outside NITJ	Rs. 500 + 18% GST
NITJ Personnel	Rs. 300

Expected Expects:

Eminent academicians affiliated to IITs, IIITs, NITs, other renowned institutes (from India and other countries) and Industry experts will deliver the sessions with practical demonstrations.

Timings: Session1: 10:30 AM – 12:30 PM
Session2: 02:30 PM – 04:30 PM

Registration (till 25 November 2023)

https://www.nitj.ac.in/events_registration/fdp_rtbett/login