



Hope Foundation's International Institute of Information Technology, Pune

Department of Computer Engineering

6th March 2021

Name of the Event: Add-On course on "BLOCKCHAIN TECHNOLOGY"

Name of Event Coordinator: Prof. Kimi Ramteke

Date of the Event: 1/3/2021, 3/3/2021 to 5/3/2021

Resource Person: Mr. Atul M. Marathe

Number of Participant - 60

Topic - BLOCKCHAIN TECHNOLOGY

Objectives:

1. To learn the concept of basic building blocks of Blockchain technology.
2. To Understand Business needs and benefits of Blockchain
3. Apply concept of Blockchain technology for building Business applications.

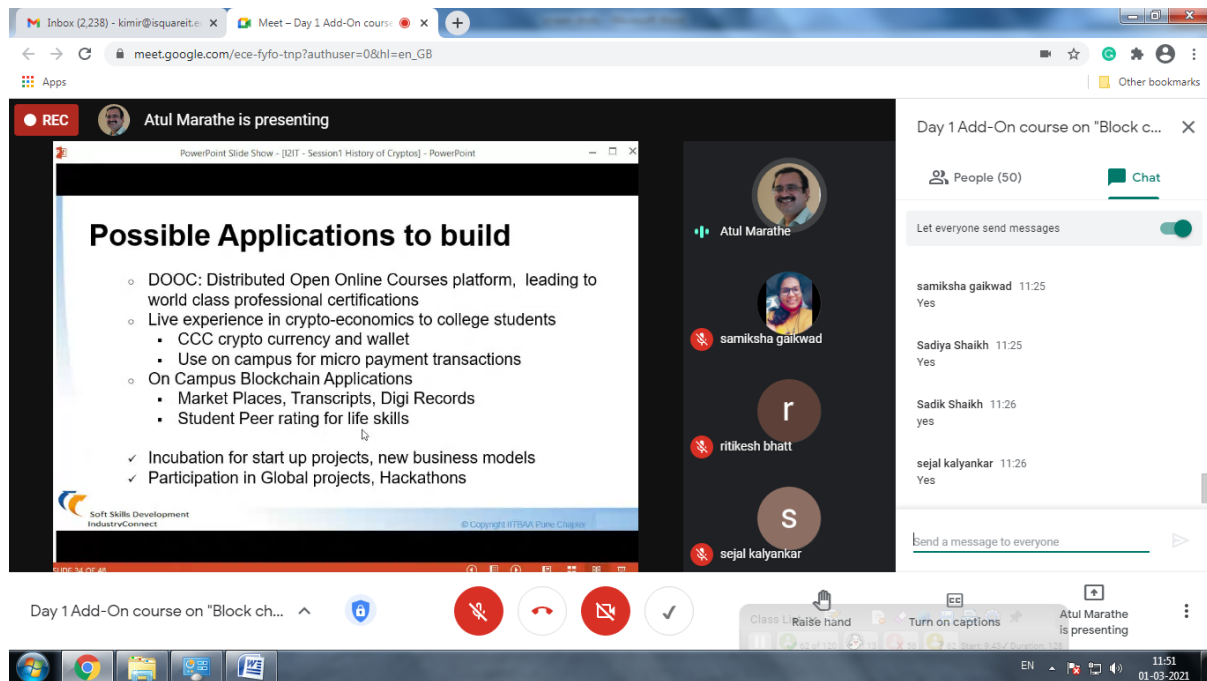
Outcomes: Student will be able to:

1. Apply the concept of basic building blocks in Blockchain technology.
2. Apply the concept Blockchain technology dealing with encryption and digital key pairs.
3. Analyze various Business applications using Ethereum platform.

4. Develop a project using Blockchain technology for different key requirements.

Summary of the Event: Add-on course was organized by the Department of Computer Engineering for Third year students from 1/3/2021, 3/3/2021 to 5/3/2021. This 4 days course included the complete hand-on experience for our students to develop web applications using Blockchain Technology with Ethereum platform. Theory sessions taken by Mr. Atul M Marathe (IIT, Bombay Alumni) and hands on sessions were handled by Mr. Vivek Deshpande (Vice President (Engineering R & D) for a product development company in Bangalore). It helped to clear the concept of basic building blocks in Blockchain technology. It helped to explain the business needs, benefits and future hopes of blockchain.

Photo graphs



HOW BLOCKCHAIN WORKS

- 1 A transaction is requested
- 2 A block that represents the transaction is created
- 3 The block is sent to every node in the network
- 4 Nodes validate the transaction
- 5 Nodes receive a reward for the Proof of Work
- 6 The block is added to the existing Blockchain. The transaction is complete

Soft Skills Development IndustryConnect 3/3/20

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Abul Marathe

Future hopes on Blockchain ...

BLOCKCHAIN EXPLAINED... AFTER

- Business Network
- Digital Assets
- Ledger
- BLOCKCHAIN

Party D's records, Party A's records, Bank records, Auditor records, Party B's records, Party C's records

... Consensus, provenance, immutability, finality
Single Views of "Truth"

2:04:28

34:19 / 3:02:29

Abul Marathe