





Gujarat Technological University

(Accredited with A+ grade by NAAC)

Centre of Excellence in Blockchain Technology

(A Government of Gujarat Funded Project)

LECTURE SERIES IN THE DOMAIN OF BLOCKCHAIN TECHNOLOGY

A Report on Lecture 5

Foundations of Blockchain

(Date: 30th September, 2023)

The session was organized by GTU-Graduate School of Engineering and Technology under CoE in Blockchain Technology.

The resource person for this session was **Dr. Chirag N. Modi** who is Associate Professor & Dean (Research & Consultancy) at NIT-Goa.

Learning Objectives

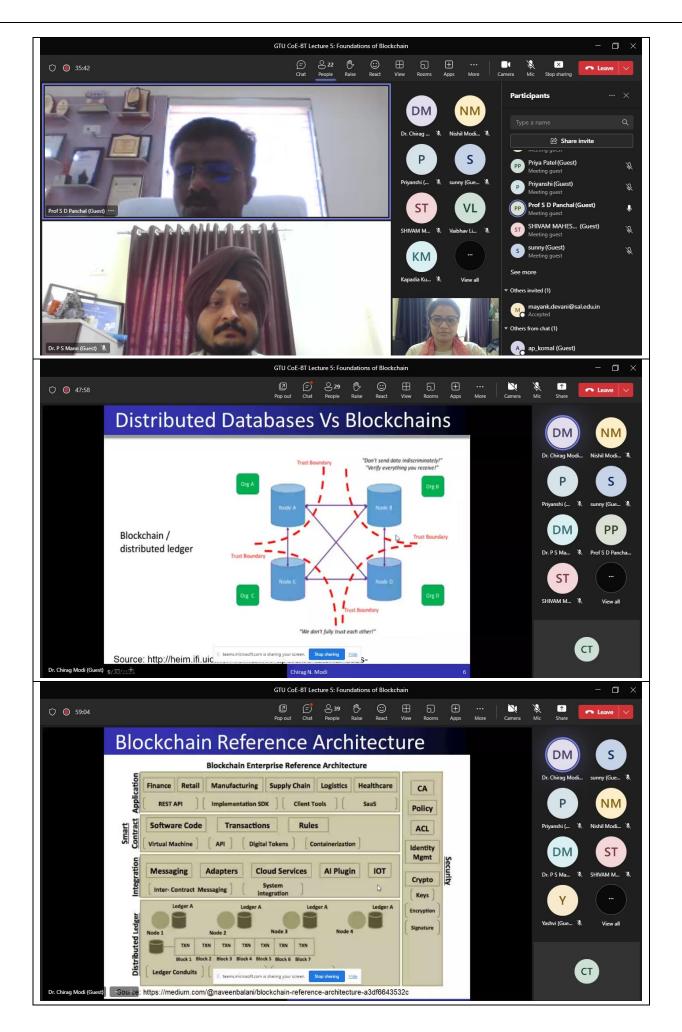
- To provide understanding of blockchain and its workflow.
- To provide the insights of blockchain architecture.
- To get the practical exposure of smart contracts and its applications.

Participants

Around 40 participants including PG students, research scholars, faculty members from different institutes across the state had participated and took advantage of this session.

Content covered

| 1. | Blockchain understanding |
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| 2. | Distributed database vs blockchain |
| 3. | Workflow of blockchain |
| 4. | Blockchain structure |
| 5. | Blockchain reference architecture |
| 6. | Blockchain Key features |
| 7. | Distributed consensus |
| 8. | Blockchain Taxonomy |
| 9. | Smart contracts |
| 10. | Scope, application areas and use cases |





Coordinated and Planned by Executive Committee Members

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