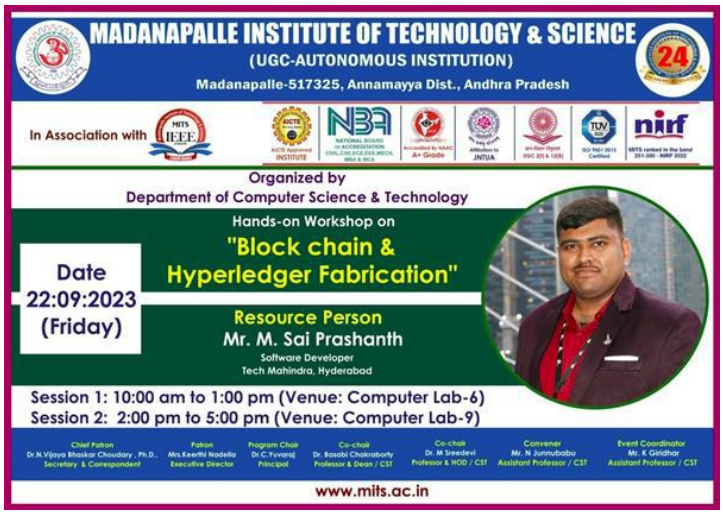
A Report on
Workshop
on
Block Chain & Hyper-Ledger Fabrication
Organized by
Department of Computer Science & Technology
22.09.2023



Submitted by Mr. K Giridhar, Assistant Professor, Department of CST, MITS.

Resource Person: Mr M Sai Prashanth, Software Developer, Tech Mahindra, Hyderabad.

Convened by: Mr N Junnubabu, Assistant Professor, Department of CST, MITS

coordinated by: Mr. K Giridhar, Assistant Professor, Department of CST, MITS

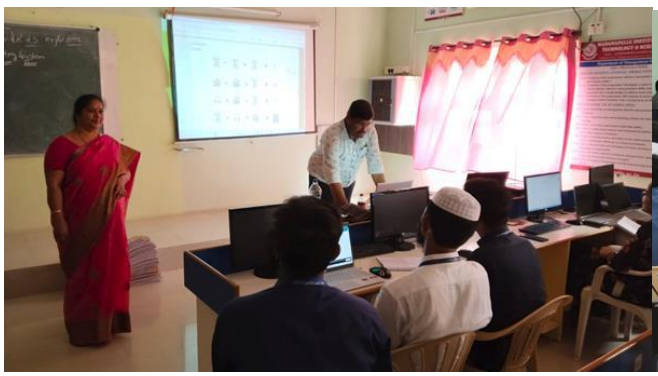
Attendance: **108** participants

Objective

The objective of a workshop on Blockchain and Hyperledger Fabrication is to provide participants with a deep understanding of blockchain technology, with a specific focus on Hyperledger Fabric, and equip them with the knowledge and skills necessary to design, develop, and deploy blockchain applications.

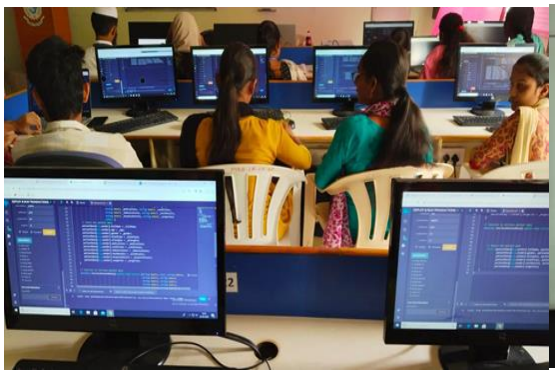
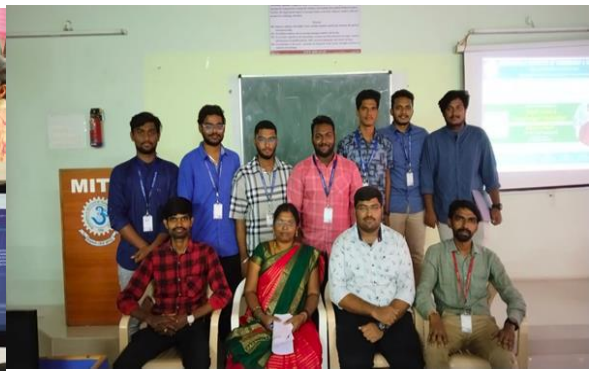
The Programme started at 10:00 am by Dr. K Sreedivya, Assistant Professor, Dept. of CST with a grand welcome to the Resource Person, HOD, Faculty members and participants.

Dr. M Sreedevi, HOD/CST, heartily invited Resource person to the Workshop. She discussed few things about **Block chain & Hyperledger Fabrication** and its importance to the engineers, society, how to utilize various resources and asked students to utilize the opportunity to get various Industrial applications of Block Chain Technology.




Mr. K Giridhar, Assistant Professor, Dept. of CST, read the profile of Resource person **Mr. M. Sai Prashanth**, Software Developer, Tech Mahindra, Hyderabad**.** He handed over the session to the Resource person.

The **Resource person** (Mr. M. Sai Prashanth) started the session by extending his heartily thanks to the participants organizing members, HOD, Principal and Management of MITS, Madanapalle for giving her opportunity to share her knowledge and experience in **"Block chain & Hyperledger Fabrication"**.

The resource Person delivered Workshop the following topics:

Blockchain and Hyperledger Fabrication encompass a wide range of topics that are crucial for understanding and working with Block Chain Technology. Key topics within these areas:

Block Chain Fundamentals

1. Block Chain Basics
2. Cryptographic Principles
3. Consensus Mechanisms

Hyperledger Fabric Overview

1. Introduction to Hyperledger Fabric
2. Components of Hyperledger Fabric
3. Ledger State and History

Development and Deployment

1. Smart Contracts (Chaincode)
2. Private Data Collections
3. Network Setup and Configuration

Security and Access Control

1. Identity and Membership Services
2. Access Control Policies

Queries and Feedback session:

- Students asked queries on Block Chain Technology and its applications in industry, Resource person answered for all those queries.

- Students given feedback on the Workshop and said they felt happy for involving in this type of session as they got a clear picture about Industrial applications of Block Chain Technology & Hyperledger Fabrication.

Take away from session:

- Students understood the Importance of **Block Chain Technology.**
- Students know the Importance of **Industrial Applications** of **Block chain & Hyperledger Fabrication** for Engineers and Society.

The session ended by **Dr. K Sreedivya**, Assistant Professor, Dept. of CST**,** MITS, thanking the resource person, faculty members and students and expressed their gratitude to the Management and Principal for giving permission and financial support to organize this programme.

Vote of Thanks: The session was concluded at 05:00 pm followed by a vote of thanks, given by CST Department IEEE Student Branch faculty Coordinator, **Mr. K. Giridhar**, Assistant Professor, Department of CST, MITS, Madanapalle, conveyed his sincere thanks to the IEEE Student Branch-MITS, Resource person, Management, Principal, Vice Principals, Deans, all the HODs, Faculty members for giving this opportunity for conducting Workshop.