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A Guest Lecture Report

On

☯ “Block Chain Technology” ☯

A guest lecture on “**Blockchain Technology**” was organized to provide students with knowledge about blockchain, its working process, applications, and future scope. The session helped students understand how blockchain technology is used in cryptocurrency, banking, cybersecurity, and various industries.

Objective of the Lecture

The main objectives of the guest lecture were:

- To introduce blockchain technology.
- To explain how blockchain works.
- To understand real-world applications of blockchain.
- To explain career opportunities in blockchain technology.

What is Blockchain?

Blockchain is a **distributed and decentralized digital ledger** that records transactions across multiple computers securely. Each record in blockchain is called a **block**, and these blocks are linked together in a **chain**, hence the name blockchain.

Working of Blockchain Technology

The guest speaker explained the working of blockchain technology in the following steps:

1. A transaction is requested.
2. The transaction is broadcast to a network of computers (nodes).
3. The network validates the transaction.
4. A new block is created.
5. The block is added to the blockchain.
6. The transaction is completed and recorded permanently.

Features of Blockchain

- Decentralization
- Transparency
- Security
- Immutability
- Faster Transactions
- No Third Party Required

Applications of Blockchain

- Cryptocurrency (Bitcoin, Ethereum)
- Banking and Finance
- Supply Chain Management
- Digital Voting System
- Cyber Security
- Healthcare Records
- Smart Contracts

The guest lecture on **Blockchain Technology** was very informative and useful for students. Students learned about blockchain concepts, working process, applications, advantages, and career opportunities. The lecture helped students understand the importance of blockchain technology in the modern digital world.

We express our sincere thanks to the **Guest Speaker** for delivering an informative lecture on Blockchain Technology. We are also thankful to our **Principal, Head of Department, and Faculty Members** for organizing this guest lecture successfully.

