

Dr.SNS RAJALAKSHMI COLLEGE OF ARTS AND SCIENCE
(Autonomous)

Accredited by NAAC - UGC with 'A+ Grade (Cycle IV)
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Coimbatore- 49

DEPARTMENT OF COMMERCE WITH INFORMATION
TECHNOLOGY

21UCI505 – BLOCKCHAIN AND DISTRIBUTIVE
LEDGER

Unit-1: History of Blockchain

Ms. S.Meenakshi, Assistant Professor
Department of Commerce with Information Technology

1991 – Origin of Blockchain Idea

- Stuart Haber & W. Scott Stornetta
- Introduced digital time-stamping
- Goal: Prevent tampering of documents

1992 – Merkle Tree Enhancement

- Added Merkle Trees
- Enabled multiple documents per block
- Improved efficiency

2008 – Satoshi Nakamoto’s Whitepaper

- Bitcoin whitepaper published
- Introduced the first true blockchain model
- “Peer-to-Peer Electronic Cash System”

2009 – Bitcoin Network Launch

- Genesis Block (Block 0) mined
- First functioning blockchain
- Start of decentralized digital currency

2010 – First Bitcoin Real-World Use

- Bitcoin Pizza Day
- 10,000 BTC exchanged for two pizzas
- Proved real-world utility

2013 – Ethereum Concept

- Vitalik Buterin proposes Ethereum
- Introduced **smart contracts**
- Expanded blockchain beyond currency

2015 – Ethereum Launched

- Smart contract platform goes live
- Enabled dApps, DeFi, NFTs, DAOs
- Revolution in programmable blockchain

2017 – ICO Boom

- Thousands of blockchain projects emerge
- ICOs become popular fundraising method
- Massive global attention

2020 – Enterprise & Public Sector Adoption

- Used in supply chain, banks, healthcare
- Rise of regulatory interest
- Governments studying blockchain uses

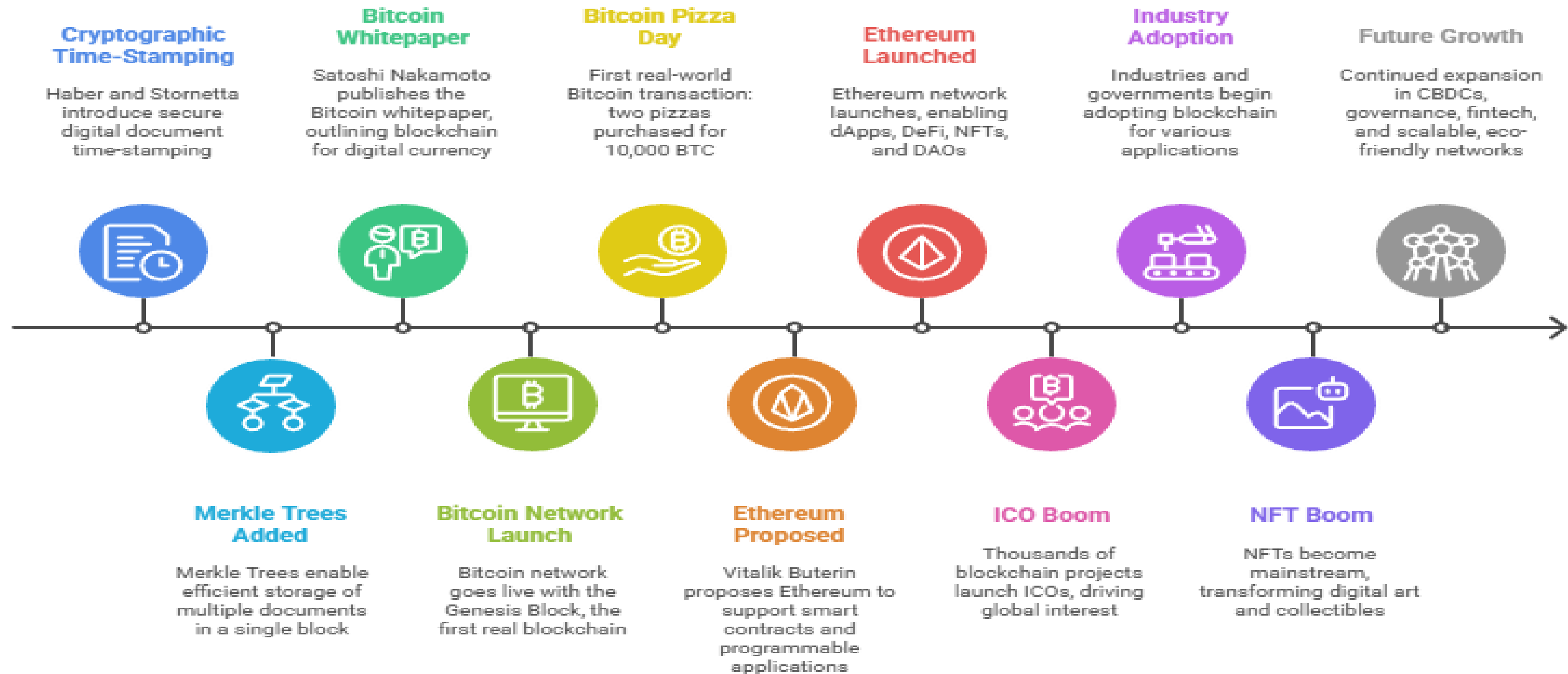
2021 – NFT Boom

- NFTs become mainstream
- Digital art & collectibles surge
- Major brands and creators join the space

2023 Onwards – Widespread Use

- CBDCs (Central Bank Digital Currencies)
- Blockchain for governance, ID, fintech
- Scalable, energy-efficient blockchains grow

Key Milestones in Blockchain History



Made with Napkin

1. Blockchain is a type of _____.

2. Which feature of blockchain ensures that data cannot be changed once recorded?

3. In blockchain, blocks are linked using _____.

✓ Digital ledger

✓ Immutability

✓ Hashes

1. Who introduced the first concept of a secure, time-stamped digital document system in 1991?
2. What major improvement was added to early blockchain concepts in 1992?
3. In which year was the Bitcoin whitepaper published by Satoshi Nakamoto?
4. What key innovation did Ethereum introduce when it launched in 2015?
5. What major trend in 2021 made blockchain widely popular for digital art and collectibles?

- ✓ Stuart Haber and W. Scott Stornetta
- ✓ Merkle Trees
- ✓ 2008
- ✓ Smart contracts
- ✓ NFT boom

THANK YOU