

A digital illustration featuring a dark blue background with a faint, repeating pattern of binary code (0s and 1s). In the center, a cluster of seven 3D cubes is arranged in a staggered, interconnected fashion. Each cube is rendered with a blue-to-white gradient and is covered in a grid of small white dots. Two glowing blue spheres, resembling nodes or data points, are positioned on the left and right sides of the cube cluster, connected to the cubes by thin, light blue lines. The overall aesthetic is high-tech and futuristic.

Blockchain

Under The Guidance Of
V.G. Khetade Sir
Group Members

NAME	PRN
Shreyash Tembhumne	19UCS130
Dhairiyashil Shinde	19UCS122
Gourav Shinde	19UCS124
Pritesh Shetty	19UCS122



Index

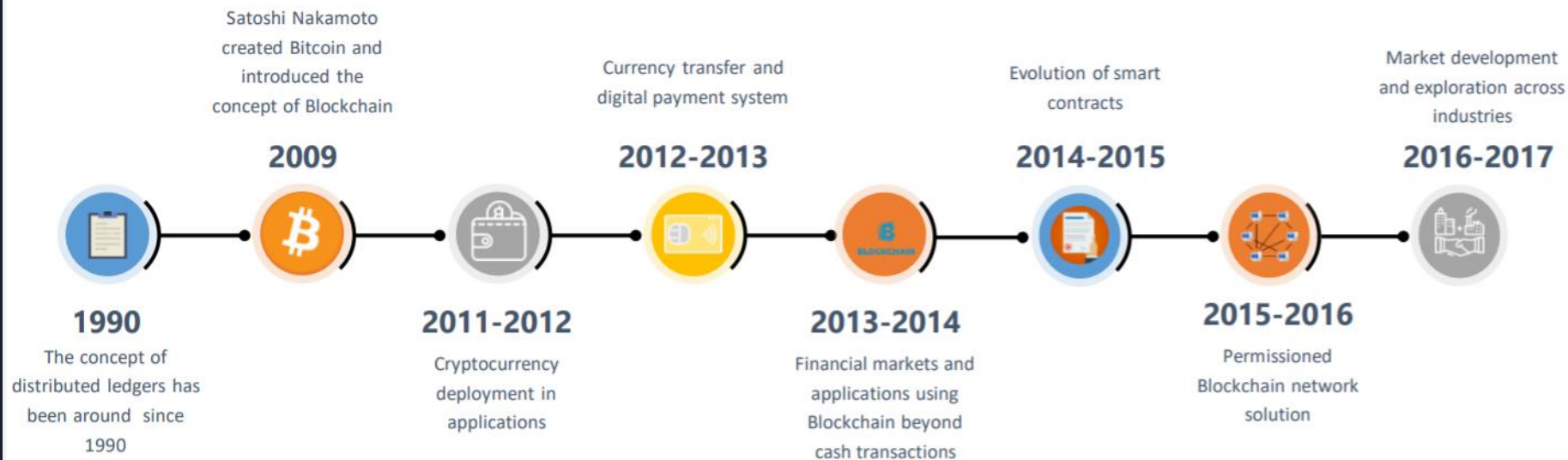
- 1. Introduction**
- 2. History of Blockchain**
- 3. Types of Systems**
- 4. Current Banking Systems**
- 5. Issues with Banking Systems**
- 6. How Blockchain Works?**
- 7. Blockchain Applications**
- 8. Conclusion of Blockchain Technology**
- 9. Use Cases**
- 10. Reference**



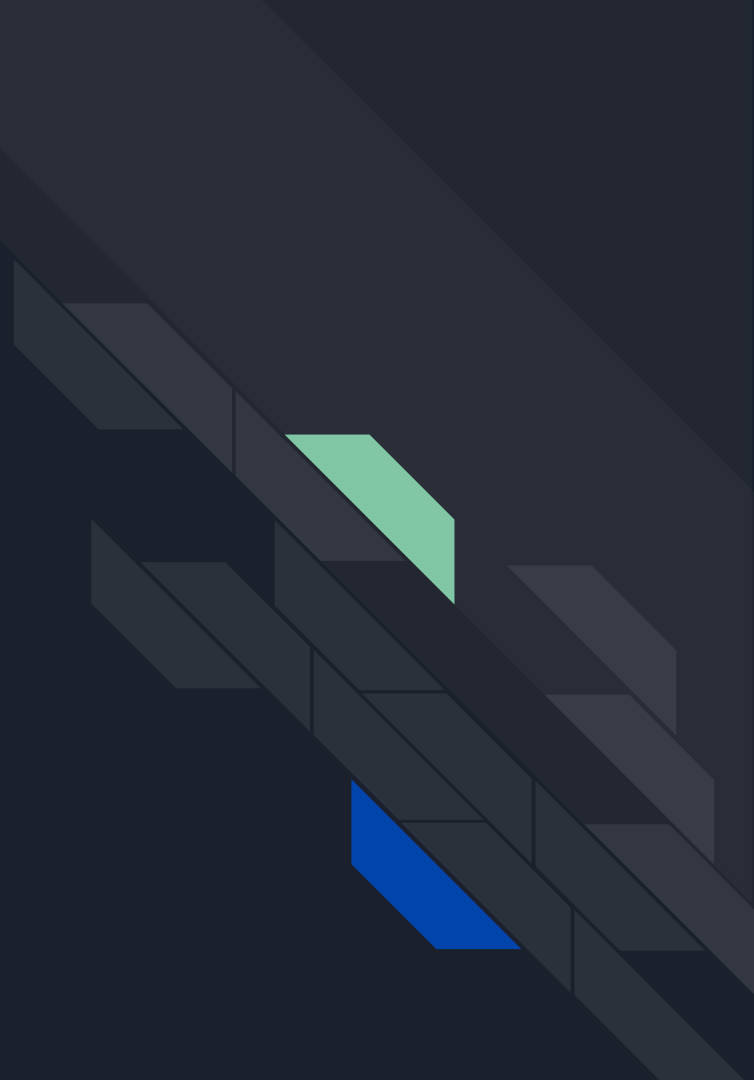
BLOCKCHAIN

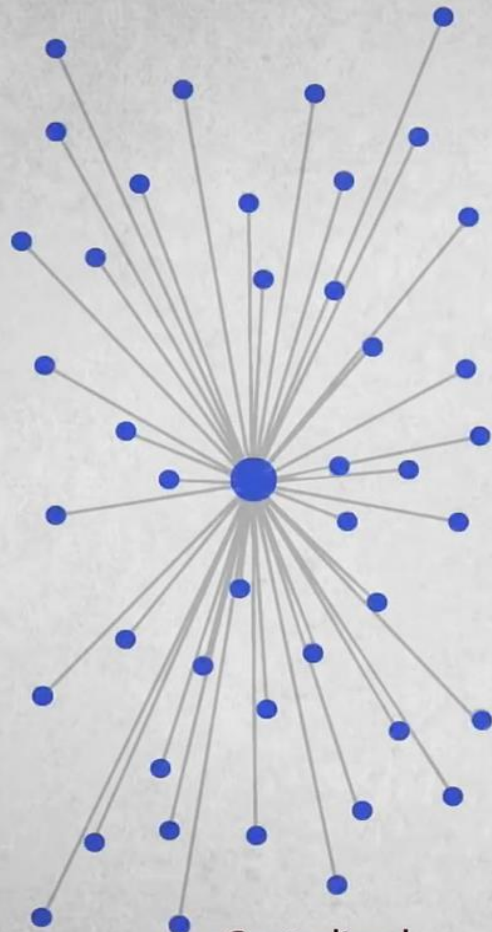
- Blockchain is a decentralized ledger of all transactions across peer-to-peer network.
- It is a technology that enables Bitcoin and is also applied to many business processes.
- It not only performs transactions but also ensures anonymity and security of the users.

History of Blockchain

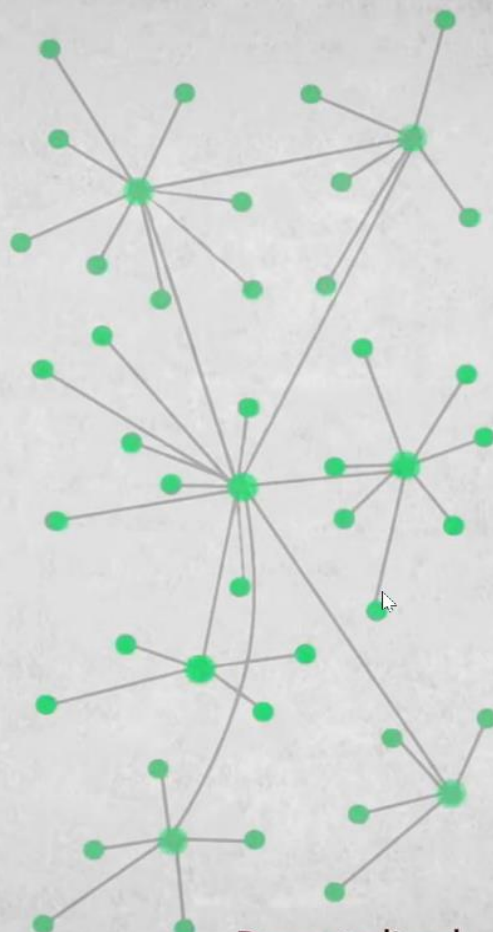


Types of Systems..

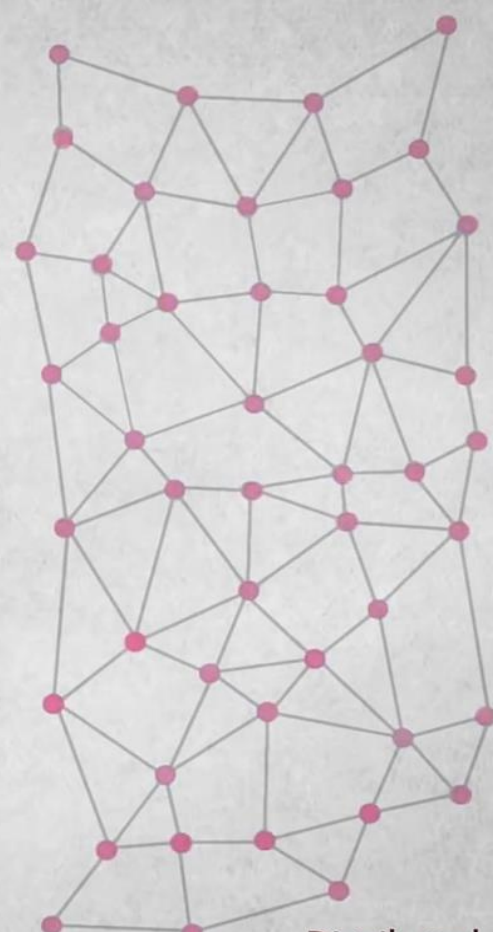




Centralized



Decentralized



Distributed

Current Banking System

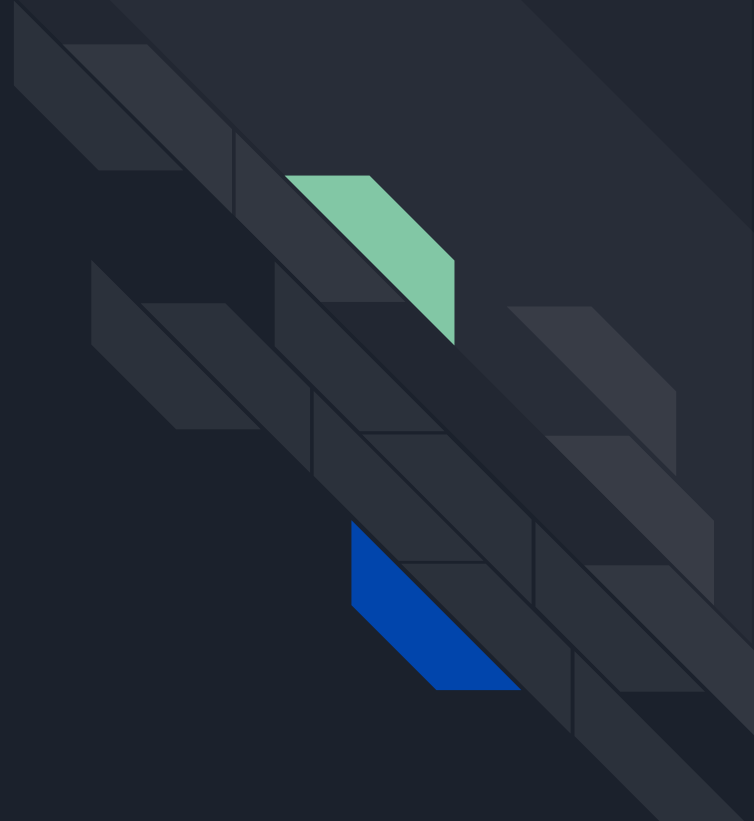


Issues in Banking System

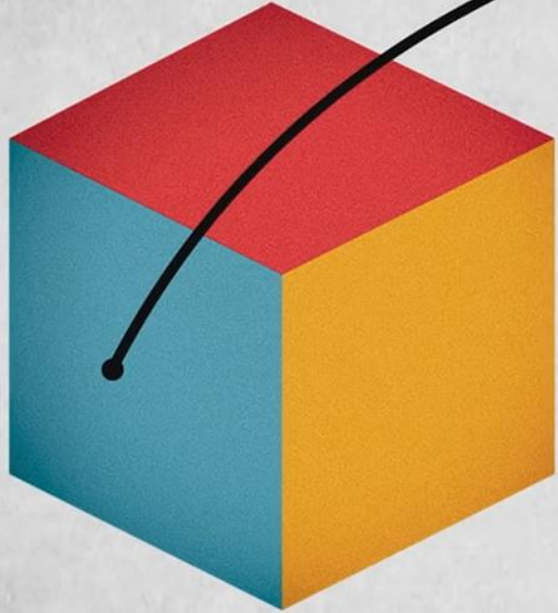
There were few issues in the previous banking system that lead to the rise of Blockchain technology.



How Blockchain Works ?



**HASH OF THE
PREVIOUS BLOCK**



LINKS ALL THE BLOCKS





HASH

e2f9f0948jf8h2085hfk83hcdmh923



DATA



TO:

FROM:

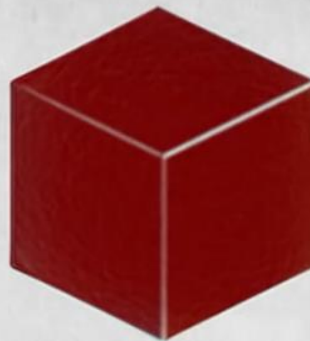
AMOUNT:



BITCOIN BLOCK EXAMPLE



DATA TAMPERED



Hash

U8G3

2K8F

V9Ho

78D8

Previous Hash

0000

U8G3

2y y 7

I G3u



FROM : **A**
[f93jd0h2vb6lz]

TO : **B**
[2hv4kj6sh1bc7]

AMOUNT : **Rs. 50**





FROM : **A**
[f93jd0h2vb6lz]



TO : **C**
[dsa0ir20x921sk]

AMOUNT : **Rs. 50**



Blockchain Applications

- Secure sharing of medical data
- NFT marketplaces
- Music royalties tracking
- Cross-border payments
- Real-time IoT operating systems
- Personal identity security
- Anti-money laundering tracking system
- Supply chain and logistics monitoring
- Voting mechanism
- Advertising insights
- Original content creation
- Cryptocurrency exchange
- Real estate processing platform

Conclusion of Blockchain Technology

- The Bitcoin is the first successful implementation of blockchain.
- Today, the world has found applications of blockchain technology in several industries, where the trust without the involvement of a centralized authority is desired.

The Future

While cryptocurrencies are the most well-known use of blockchain technology, their potential extends far beyond digital currencies. For example, blockchains could be used to secure every aspect of the supply chain, store property records, create a reliable digital identity system, and even store and count votes in an election. As investors continue to pour money into this technology it's only a matter of time before it fundamentally reshapes our world.

Use Cases

The background features a series of dark gray, three-dimensional rectangular blocks arranged in a perspective view, receding towards the top right. A prominent diagonal element, composed of a light green upper section and a blue lower section, cuts across the scene from the middle right towards the bottom right corner.

NEWS

Menu

Aadhaar: 'Leak' in world's biggest database worries Indians

5 January 2018



GETTY IMAGES

Indian officials in charge of a controversial biometric identity scheme have filed a police complaint after a report that citizens' personal details were being sold for as little as 500 rupees (\$7.8;£5.8) online.

TRANSPARENT

The world's first blockchain-supported elections just happened in Sierra Leone



REUTERS/OLIVIA AGLAND

Powered by blockchain.

FROM OUR OBSESSION

Africa Innovators

This is an exploration of African solutions to global problems.



By Yomi Kazeem

Africa reporter

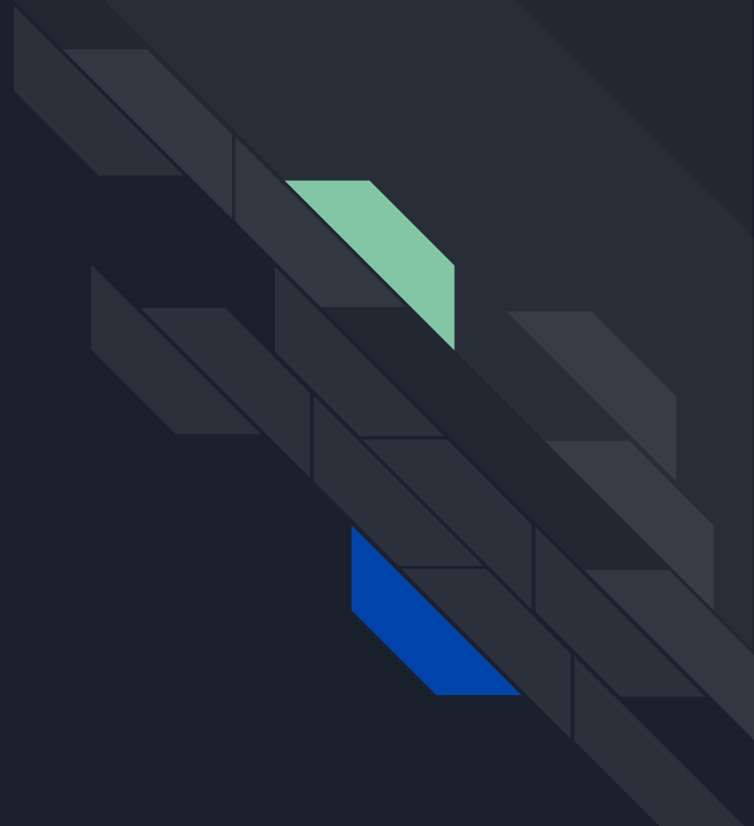
March 13, 2018 • This article is more than 2 years old.

Corrected: This story was updated to clarify the extent to which blockchain was used in the election.

References

- <https://youtu.be/ENrjn-lD1e8>
- <https://youtu.be/YJyXfjbBmc8>
- <https://101blockchains.com/blockchain-fundamentals-presentation/>

Any Question ?



A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. The background is a dark navy blue with subtle diagonal lines.

Thank You!