



Centurion
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Shaping Lives...
Empowering Communities...

School: Campus:

Academic Year: Subject Name: Subject Code:

Semester: Program: Branch: Specialization:

Date:

Applied and Action Learning

(Learning by Doing and Discovery)

Name of the Experiment : Crypto Timeline – Evolution of Digital Currencies

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

Aim :

The aim of this lab is to create a timeline showing the main events in the history of digital currencies. It will start from the early ideas of electronic money and go up to today's cryptocurrencies. This timeline will include important milestones, new technologies, and major changes that have helped digital currencies grow. By doing this, we can understand how cryptocurrencies started, how they developed over time, and how they are used in the world today.

* Softwares used

1.Brave Web browser

* Implementation Phase: Final Output (no error)

Crypto Timeline: Events Explained :

1. 1983 – David Chaum's eCash Concept

Explanation: Chaum introduced the idea of digital cash—private, encrypted, and untraceable transactions using blind signatures. This laid the foundation for anonymous electronic payments

2. 1998 – b-money & Bit Gold Proposals

b-money (Wei Dai): Proposed a decentralized, anonymous digital cash system using collective bookkeeping and proof-of-work. [Investopediaen.bitcoin.it](https://investopediaen.bitcoin.it)

Bit Gold (Nick Szabo): Suggested a chain of proof-of-work puzzles linked by timestamps and a public registry, essentially a precursor to blockchain.

The screenshot shows the Investopedia website with the article "Bit Gold: Meaning, Overview, and Differences From Bitcoin" by Rakesh Sharma, updated in April 2024. The article is reviewed by Erika Rasure and fact-checked by Katrina Munichello. The "Table of Contents" on the left lists: What Was Bit Gold?, Understanding Bit Gold, Bit Gold vs. Bitcoin, Goals of Bit Gold, Special Considerations, FAQs, and The Bottom Line. The main text under "What Was Bit Gold?" explains that Bit Gold was one of the earliest attempts at creating a decentralized virtual currency, proposed by Nick Szabo in 1998. It notes that although the project was never implemented, it is widely considered a precursor to Satoshi Nakamoto's Bitcoin protocol. The text also mentions that people have speculated Szabo is the anonymous Bitcoin creator, but Szabo has denied this claim.

3. 2008 – Bitcoin Whitepaper Published

Explanation: Satoshi Nakamoto published “Bitcoin: A Peer-to-Peer Electronic Cash System,” introducing the first working decentralized cryptocurrency.

4. 2009 – Bitcoin Genesis Block Mined

Explanation: The first Bitcoin block (block 0), marking the launch of the Bitcoin blockchain and the birth of cryptocurrency.

5. 2010 – Bitcoin Pizza Day

Explanation: One of the first real-world purchases with Bitcoin when 10,000 BTC were used to buy two pizzas—highlighting its use as actual currency.

6. 2011 – Litecoin Launches (Scrypt, Faster Blocks)

Explanation: Introduced by Charlie Lee, Litecoin uses Scrypt algorithm and shorter block times for faster transactions.

7. 2013 – First Major Bitcoin Price Surge / Mt. Gox Era

Explanation: Bitcoin experienced its first major price spike, bringing mainstream media attention; Mt. Gox was the primary exchange but later became infamous for its collapse.

8. 2015 – Ethereum Mainnet Launch (Smart Contracts)

Explanation: Ethereum introduced programmable contracts, enabling DeFi, DAOs, and NFT creation on its blockchain.

9. 2017 – ICO Boom & Scaling Debates (SegWit)

Explanation: Hundreds of projects raised funds through ICOs; debates about Bitcoin’s scalability led to the implementation of SegWit for faster, cheaper transactions.

10. 2020 – DeFi Summer (AMMs, Yield Farming)

Explanation: A period of huge growth in decentralized finance. Users provided liquidity to platforms like Uniswap and Compound, earning yields and governance tokens. TVL soared from ~\$700M to \$15B.

11.2021 – NFT Boom (Mainstream Awareness)

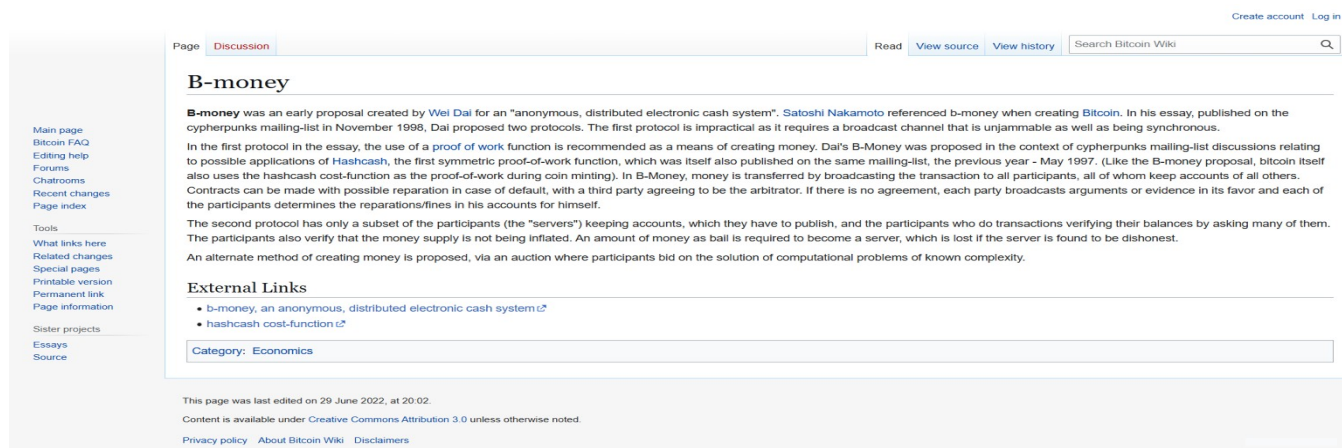
Explanation: NFTs exploded into mainstream culture; sales jumped to billions, and high-profile art sales like Beeple's "Everydays" sparked global interest

12. 2022 – Terra/LUNA Crash & FTX Collapse (Risk/Regulation Focus)

Explanation: Major failures shook the crypto world—Terra's algorithmic stablecoin collapsed, FTX went bankrupt—raising serious concerns about stability and regulation.

13. 2024 – Bitcoin Halving & Spot BTC ETFs (Institutional Adoption)

Explanation: Expected Bitcoin halving event reduced new supply; spot Bitcoin ETFs launched in major markets, reflecting growing institutional interest.



* Observations

1. Digital currencies have evolved from early concepts like eCash and Bit Gold to advanced blockchains like Ethereum with smart contracts.
2. Key events—Bitcoin Pizza Day, ICO boom, NFT craze—show the growing use, innovation, and public interest in crypto.
3. The timeline also reveals risks through crashes (e.g., Terra/LUNA, FTX) and the increasing role of regulation and institutional adoption.

ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	50		

Signature of the Student:

Name :

Regn. No. :

Signature of the Faculty:

Page No.....

*** As applicable according to the experiment.
Two sheets per experiment (10-20) to be used.**