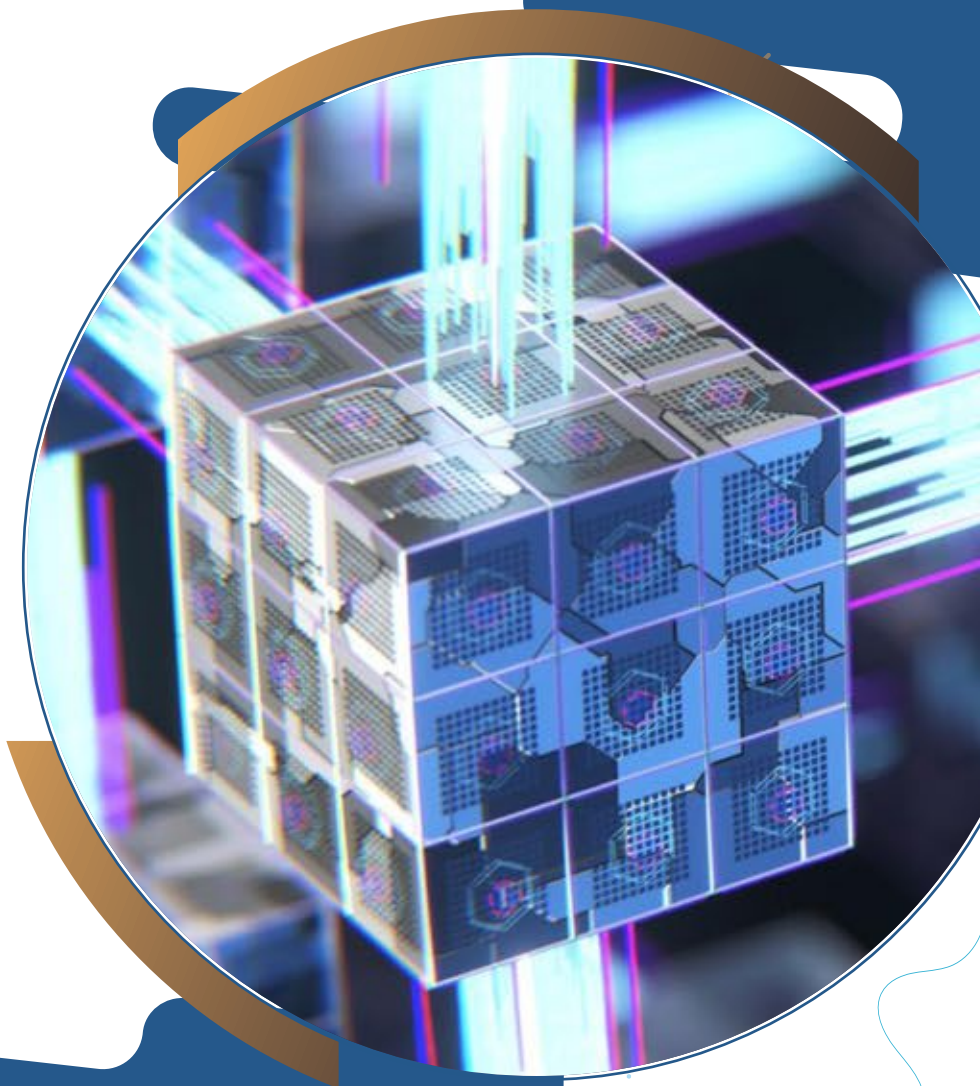ENGLISH CODE BLOCKCHAIN

EXPLORER - Module 1
Unit 2

CONTEXTUALIZATION OF MY LEARNING

This course provides a comprehensive introduction to essential blockchain concepts, terminologies, and the historical context of cryptocurrencies, aligning seamlessly with the exploration of cryptography in blockchain. With a specific focus on Satoshi Nakamoto's influence, the course delves into cryptographic principles that form the backbone of secure transactions within blockchain networks. The module emphasizes not only the demystification of smart contracts but also their cryptographic underpinnings, highlighting their crucial role in task automation. Furthermore, the course extends its coverage to Ethereum's ecosystem, including its cryptocurrency Ether, and explores the execution of smart contracts on the Ethereum Virtual Machine, incorporating practical insights into the cryptographic tools, development environment, and SDKs essential for blockchain application development. This integrated approach ensures that participants gain both theoretical knowledge and practical skills, laying a solid foundation for understanding blockchain, cryptography, and their interconnected applications.

General objective

UNIT 1

- Provide participants with a comprehensive understanding of blockchain, cryptocurrencies, and the foundational role of cryptography in ensuring secure and transparent transactions within blockchain networks.

- Equip learners with a solid foundation to comprehend and apply blockchain technology and cryptographic principles in real-world scenarios.

SKILLS TO DEVELOP

- Linguistic competence.

- Pragmatic competence.

- Sociolinguistic competence.

Linguistic competence: Students will develop linguistic competence by acquiring a comprehensive understanding of essential blockchain concepts and terminologies. They will be able to recognize and use key vocabulary related to cryptocurrencies, smart contracts, and blockchain technology, enabling effective communication within the field of blockchain and cryptocurrency.

Pragmatic competence: Through the exploration of smart contracts, task automation, and practical insights into blockchain application development, students will enhance their pragmatic competence. They will be able to comprehend and interpret written descriptions of blockchain concepts, gaining practical communication skills necessary for real-world scenarios in the blockchain industry.

Sociolinguistic competence: Students will contextualize AI vocabulary within real-world scenarios specific to blockchain technology. By exploring the historical context of cryptocurrencies and understanding the societal impact of blockchain, they will enhance their sociolinguistic competence. This will enable them to relate linguistic forms to practical uses in the field of blockchain and navigate the sociocultural aspects of blockchain technology.

UNIT 2: Exploring the concept of cryptocurrencies

Execution time: 4 hours.

APPROACH OF THE SESSION	MATERIALS

APPROACH OF THE SESSION

1) Socialize the technology idiom of the day.

2) Before reading, explain what the skimming strategy is.

3) Hangman game: vocabulary about cryptography.

4) Socialize key vocabulary about crytography.

5) Reading: "History of criptography".

6) Make a timeline about the previous reading.

7) Socialize some keywords which appear in the reading "What is cryptography? How algorithms keep information secret and safe"

8) Reading: "What is cryptography? How algorithms keep information secret and safe"

9) True/false questions about the previous text.

10) Multiple-choice game about the previous reading.

11) Socialize some keywords about cryptocurrencies.

12) Watch the video "History of Cryptocurrency".

13) Multiple- choice activity about the previous video.
14) Socialize some keywords of the text below "Who Is Satoshi Nakamoto?"
15) True/False activity about the previous text.

14) Socialize some keywords of the text below "Who Is Satoshi Nakamoto?"

15) True/False activity about the previous text.

MATERIALS

- Hangman: https://wordwall.net/es/re-source/67431021

- Reading: History of criptography https://www.redhat.com/en/blog/-brief-history-cryptography#:~:-text=The%20first%20known%20eviden ce%20of,place%20of%20more%20ordi nary%20ones.

- Reading: What is cryptography? How algorithms keep information secret and safe https://www.csoonline.com/arti-cle/569921/what-is-cryptogra-phy-how-algorithms-keep-information-s ecret-and-safe.html#:~:text=Cryptogra phy%20definition&text=In%20cryptogr aphy%2C%20an%20original%20huma n,this%20gibberish%20is%20called%2 0ciphertext.

- Video: https://youtu.be/EKrH-GE-ZvPE?si=vzl-tEElx-xkfFNU

- Reading Who Is Satoshi Nakamo-to? https://www.forbes.com/advisor/in-vesting/cryptocurren-cy/who-is-satoshi-nakamoto/