

ENGLISH CODE BLOCKCHAIN

EXPLORER - Module 1



CONTEXTUALIZATION OF MY LEARNING

This course provides a thorough introduction to essential blockchain concepts, terminologies, and the historical context of cryptocurrencies, with a specific focus on Satoshi Nakamoto's influence. Emphasizing the demystification of smart contracts and their role in task automation, the module explores Ethereum's ecosystem, including its cryptocurrency Ether and the execution of smart contracts on the Ethereum Virtual Machine. Additionally, learners gain practical insights into the tools, development environment, and SDKs crucial for blockchain application development. This comprehensive approach equips participants with both theoretical knowledge and practical skills, laying a solid foundation for understanding blockchain and its applications.



General objective

UNIT 1

Provide students with a comprehensive understanding of blockchain fundamentals, including concepts, terminologies, and practical applications, with a focus on smart contracts and Ethereum's role in the cryptocurrency landscape.

SKILLS TO DEVELOP

- Linguistic competence.
- Pragmatic competence.
- Sociolinguistic competence.

Linguistic competence: Relevant Content: Introduction to fundamental blockchain concepts and terminology, including history, impact, and key terminologies in cryptocurrencies.

Connection: Develop the ability to recognize and understand basic blockchain and cryptocurrency vocabulary, concepts, and phrases, enabling effective communication within the blockchain and cryptocurrency field.

Pragmatic competence: Relevant Content: Demystification of smart contracts, emphasizing their role in automating tasks and executing programmed logic, and covering the practical aspects of blockchain application development.

Connection: Comprehend and interpret written descriptions of blockchain and smart contract concepts, fostering practical and effective communication for real-world blockchain application scenarios.

Sociolinguistic competence: Relevant Content: Discussion of the history and impact of cryptocurrencies, especially the influence of Satoshi Nakamoto, and the coverage of Ethereum and its cryptocurrency (Ether) along with insights into the execution of smart contracts.

Connection: Contextualize blockchain and cryptocurrency vocabulary within real-world scenarios, enhancing the ability to relate linguistic forms to their practical uses in the field of blockchain technology and cryptocurrency.

UNIT 1: Understanding the concept of blockchain

Execution time: 4 hours.

APPROACH OF THE SESSION

- 1) Socialize the technology idiom of the day.
- 2) Before the reading activity, explain what the scanning strategy is.
- 3) Matching Activity: Vocabulary of blockchain.
- 4) Socialize keywords about the reading "Blockchain facts: What is it, How it works, and How it can be used?".
- 5) Read the text "Blockchain facts: What is it, How it works, and How it can be used?".
- 6) Multiple -choice questions about the previous reading (scanning activity).
- 7) Pre-reading: Word Search with key vocabulary about the reading "Blockchains vs Banks".
- 8) Reading: "Blockchains vs Banks"
- 9) Answer the multiple - choice questions.
- 10) Discussion questions about blockchains.
- 11) Socialize some key words about the reading "How are blockchains used?"
- 12) Reading: "How are blockchains used?"

MATERIALS

- Reading: "Blockchain facts: What is it, How it works, and How it can be used?"
<https://www.britannica.com/money/what-is-blockchain>
Reading "Blockchains vs Banks"
https://candlefocus.com/articles/Blockchain_vs_Banks
- Wordsearch - "Blockchains vs Banks"
<https://wordwall.net/es/resource/67104741/blockchains-vs-banks>
- Reading: How are blockchains used?
<https://www.britannica.com/money/what-is-blockchain>



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APPROACH OF THE SESSION

13) Multiple-choice activity: quizizz game.

14) Watch the video "Blockchain Transparency | Blockchain: Understanding Its Uses & Implications | edX Series"

15) True/False questions.

MATERIALS

- Video: Blockchain Transparency | Blockchain: Understanding Its Uses & Implications | edX Series
<https://www.youtube.com/watch?v=kAOGMcakfRc>



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