

ENGLISH CODE BLOCKCHAIN

EXPLORER - Module 1
Unit 5



CONTEXTUALIZATION OF MY LEARNING

In the course focused on exploring the features of Ethereum, its native cryptocurrency (Ether), and the execution of smart contracts on the Ethereum Virtual Machine, students will delve into the foundational concepts of blockchain technology and decentralized applications (DApps). Understanding Ethereum, as one of the leading blockchain platforms, is crucial for grasping the broader landscape of decentralized finance (DeFi), digital assets, and blockchain-based solutions. Through this exploration, students will gain insights into the principles behind Ethereum's blockchain, including its consensus mechanism, gas fees, and scalability challenges. Moreover, they will learn about Ether, the cryptocurrency native to the Ethereum network, and its role in powering transactions and incentivizing network participants. Furthermore, students will examine the innovative aspect of smart contracts, self-executing contracts with coded terms, and their implementation on the Ethereum Virtual Machine (EVM). This contextualization of learning lays the groundwork for students to comprehend the significance of Ethereum within the blockchain ecosystem and its transformative potential across various industries.



General objective

UNIT 5

- Provide students with a comprehensive understanding of Ethereum, its native cryptocurrency (Ether), and the execution of smart contracts on the Ethereum Virtual Machine (EVM).
- Analyze the role of Ether as a digital currency within the Ethereum ecosystem, exploring its use cases, transactional capabilities, and economic implications.



SKILLS TO DEVELOP

- Linguistic competence.
- Pragmatic competence.
- Sociolinguistic competence.
- Topical Competence.

Linguistic competence:

- Gain proficiency in terminology related to blockchain technology, Ethereum, cryptocurrency, smart contracts, and decentralized applications (DApps).
- Understand the language used in discussions about Ethereum, Ether, and smart contract execution.

Pragmatic competence:

- Apply knowledge of Ethereum features and smart contract execution to analyze real-world scenarios and propose practical solutions.
- Understand how language and discourse shape perceptions and behaviors regarding blockchain technology and decentralized systems.

Sociolinguistic competence:

- Recognize and discuss the social and economic implications of Ethereum, Ether, and smart contracts within different communities and industries.
- Understand how language and discourse shape perceptions and behaviors regarding blockchain technology and decentralized systems.

Topical Competence:

- Acquire in-depth knowledge of Ethereum's architecture, consensus mechanism, and ecosystem, including its impact on various sectors such as finance, supply chain, and healthcare.
- Stay updated on the latest developments and trends in the Ethereum community and broader blockchain space to contribute meaningfully to discussions and projects related to the topic.



UNIT 5: Exploring the features of Ethereum, its native cryptocurrency (Ether), and the execution of smart contracts on the Ethereum Virtual Machine.

Execution time: 4 hours.

APPROACH OF THE SESSION

- 1) Socialize the technology idiom of the day.
- 2) Explain what the scanning strategy is.
- 3) Word jumble game: vocabulary about Ethereum.
- 4) Study keywords about the reading "What is Ethereum? Explained With Features and Applications"
- 5) Reading: "What is Ethereum? Explained With Features and Applications".
- 6) Matching heading activity about the previous reading.
- 7) Multiple-choice questions about "What is Ethereum? Explained With Features and Applications".
- 8) Discuss vocabulary about Ethereum Virtual Machine (EVM).
- 9) Reading: "Ethereum Virtual Machine (EVM)".
- 10) True/False questions about the text "Ethereum Virtual Machine (EVM)".
- 11) Watch the video "What is the EVM? Ethereum Virtual Machine - Explained with Animations"
- 12) True/ False activity about the previous video.
- 13) Multiple-choice questions about the video "What is the EVM? Ethereum Virtual Machine - Explained with Animations".

MATERIALS

- Reading: "What is Ethereum? Explained With Features and Applications".
- Reading: "Ethereum Virtual Machine (EVM)".
- Video "What is the EVM? Ethereum Virtual Machine - Explained with Animations"



COLOMBIA
POTENCIA DE LA
VIDA



TIC



AZ | PROYECTOS
EDUCATIVOS

