



COLOMBIA
POTENCIA DE LA
VIDA



TIC

BOOTCAMP BLOCKCHAIN

INTEGRADOR - Módulo 1

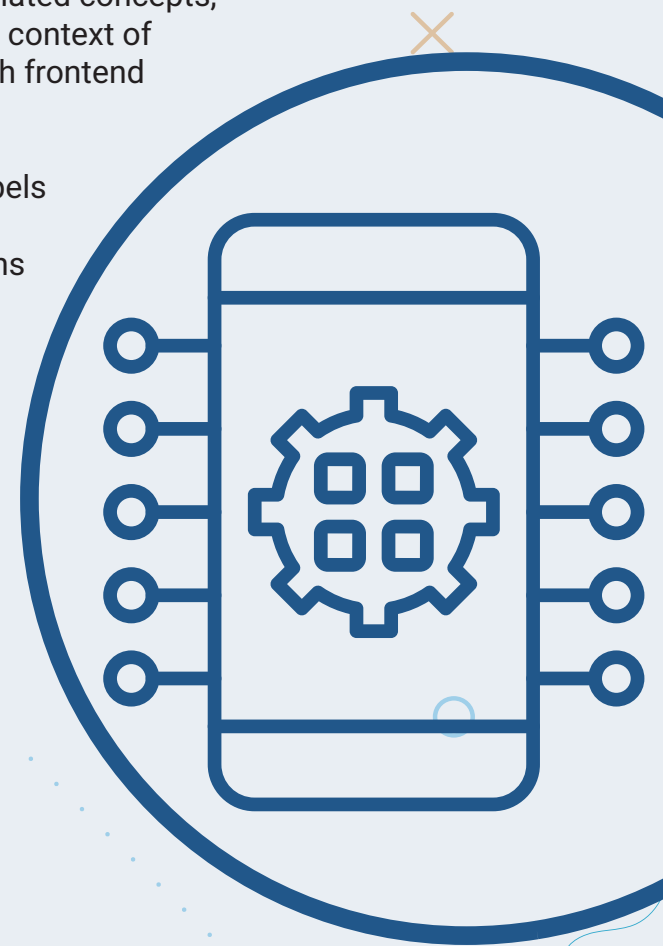


Contextualización de mis aprendizajes

In this comprehensive module, participants will delve into a diverse range of fundamental blockchain-related concepts, with a particular focus on the nuanced realm of security measures, vulnerabilities, and audits within the context of smart contracts. The program places substantial emphasis on fostering a holistic understanding of both frontend and backend development aspects intrinsic to decentralized applications.

By bridging the gap between user experience, interface design, and the intricate backend logic that propels these systems, learners will acquire a well-rounded skill set crucial for navigating the complexities of blockchain technology. Additionally, the module introduces participants to the pivotal concepts of tokens and crypto assets, shedding light on their digital characteristics and fungibility.

Exploring the dynamics of Initial Coin Offerings (ICOs) and Security Token Offerings (STOs) will be central to this learning experience, providing participants with a comprehensive overview of these essential elements within the dynamic landscape of blockchain and cryptocurrency domains.



Objetivo general

UNIDAD 2

Deepen participants' understanding of the frontend and backend development aspects inherent in decentralized applications

Equip participants with comprehensive insights into security measures, vulnerabilities, and audits related to smart contracts within the decentralized application framework.

Competencias a desarrollar

- Linguistic competence.
- Pragmatic competence.
- Sociolinguistic competence.
- Topical competenc.

Linguistic Competence: Learners will develop linguistic competence by acquiring a deep understanding of the specialized language and terminology associated with blockchain technology. This includes grasping the nuances of blockchain-related concepts, security measures, vulnerabilities, audits, frontend, and backend development aspects. The module will enhance participants' ability to articulate and comprehend the intricacies of blockchain through precise and contextually appropriate language use.

Pragmatic Competence: Pragmatic competence will be fostered as learners gain practical insights into applying their knowledge of blockchain concepts. This involves understanding how to implement security measures, identify vulnerabilities, conduct audits, and navigate the frontend and backend development aspects of decentralized applications. Practical exercises and hands-on experiences will contribute to the development of pragmatic competence, ensuring learners can effectively apply their theoretical understanding in real-world scenarios.

Sociolinguistic Competence: Sociolinguistic competence will be cultivated through an exploration of the social implications and interactions within the blockchain domain. Participants will gain insights into how linguistic choices and communication styles impact the collaborative development of decentralized applications. Understanding the sociolinguistic context of blockchain technology will enable learners to navigate and contribute effectively to discussions, collaborations, and projects within the blockchain community.

Topical Competence: Topical competence will be developed by providing learners with a comprehensive overview of critical elements within the blockchain and cryptocurrency domains. This includes tokens, crypto assets, Initial Coin Offerings (ICOs), and Security Token Offerings (STOs). Learners will acquire the necessary knowledge to engage with and contribute to discussions on these topics, demonstrating a high level of competence in understanding and discussing key aspects of blockchain technology within the broader context of the cryptocurrency landscape.

Unidad 2:

Tiempo de ejecución: 4 horas

PLANTEAMIENTO DE LA SESIÓN

Se sugiere repartir el contenido de la presente unidad en tres (3) sesiones de dos (2) horas cada una o dos (2) sesiones de tres (3) horas cada una. La metodología sugerida para las sesiones es de aula invertida, en la que, se dejan como tarea antes de la sesión lecturas al estudiante. Se inicia la sesión con una práctica y se acompaña al estudiante para que construya el desarrollo teórico luego de haber realizado la práctica.

Como actividad previa se debe preguntar a los estudiantes, qué entienden ellos por las Mining Pools y cuál consideran que es la importancia de estas para una blockchain.

Adicionalmente, se les debe preguntar acerca de las vulnerabilidades que ellos consideran que puede tener un sistema blockchain y algunas medidas para protegerse de estas.

MATERIALES

•Reading: "Frontend and Backend: What are they and what are their differences?"

•Reading: "Best Practices for Front-End and Back-End Integration in Full Stack Development"



COLOMBIA
POTENCIA DE LA
VIDA



TIC

TALENTO
TECH

AZ | PROYECTOS
EDUCATIVOS

UTP
Universidad Tecnológica
de Pereira