

45 hours / 1.5 ECTS Credit

Count of points: 305/480

Distributed Lab

Issued on: 01.02.2023

Certificate

This certifies that



Vitalii Hordii

Beginner's theoretical aspects of blockchain technology

Level:

TOPICS

Introduction to decentralized technologies • Bitcoin as a decentralized platform • Blockchain as a technology • Principles of blockchain functioning
Introduction to cryptography. Hash Functions • How Bitcoin works • Principles of forming fees in Bitcoin • Transactions in Bitcoin • Principles of operation of Bitcoin Script • Digital wallets and key management • How does blockchain work in Bitcoin • Addresses and transactions in Bitcoin
Issuance and Mining in Bitcoin • Merkle Tree Concept • Key formats in Bitcoin • Introduction to Elliptic Cryptography • Decentralized file sharing systems • Processes and roles of participants in the Bitcoin system • Security model in a decentralized accounting system

Exam passed




Pavel Kravchenko, PhD
CEO & founder Distributed Lab


Oleksandr Kurbatov
Researcher at Distributed Lab


Bohdan Skriabin
Researcher at Distributed Lab