

**Distributed Lab**

# Certificate

This certifies that

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## 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



  
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