BLKN 300 Blockchain Technology & Innovation

ALTHASH UNIVERSITY

MICROCREDENTIAL AWARDED TO

Musonda Mwansa

Specific Learning Objectives:
Explain the purpose of Bitcoin and its significance in the development of blockchain technology (Understanding). Describe the fundamental components of a decentralized application system (Understanding). Identify the key functions of a bitcoin address (Understanding). Outline the brief history of cryptocurrency and its impact on the global economy (Understanding). Compare and contrast digital currencies, such as Bitcoin, with traditional forms of money (Analyzing). Execute a simulated blockchain transaction to demonstrate the process (Applying). Assess the potential applications of community-based tokens in various contexts (Evaluating). Investigate the role of consensus mechanisms in maintaining the integrity of a blockchain (Analyzing). Design a simple smart contract for a given use case (Creating). Interpret the implications of tokenomics for blockchain-based projects (Analyzing). Examine the ethical considerations surrounding blockchain technology and its applications (Evaluating). Explore the potential of blockchain technology for enhancing data security and privacy (Understanding). Evaluate the scalability challenges and potential solutions for blockchain technology (Evaluating). Investigate the role of distributed ledger technology in supply chain management (Analyzing).

In partial fulfillment of the requirements for the nanodegree of

Blockchain Studies (CSC - BSTUD)

(4.5 Clock Hours) (80% Passing Score)

26 Sep 2024

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