

BLOCKCHAIN

About the course:

This course defines the basics introduction of blockchain technology, its effectiveness and working platforms. The course also teaches the working structure of bitcoin which is based on blockchain technology.

Syllabus:

Chapter 1: Introduction to blockchain technology

- 1.1. Describe blockchain technology and its key concepts.
- 1.2. Blockchain structure
- 1.3. Networks and protocol.
- 1.4. Consensus protocol: proof of work.

Chapter 2: Bitcoin blockchain

- 2.1. Bitcoin definition and its uses
- 2.2. Bitcoin wallets
- 2.3. Bitcoin structure and its key concepts.

Chapter 3: Ethereum

- 3.1. Ethereum definition and its concepts
- 3.2. Work with ethereum deployment tools.
- 3.3. Smart contracts.

Chapter 4: Blockchain in multichain

- 4.1. Introduction to multichain
- 4.2. Features in multichain
- 4.3. Mining in multichain
- 4.4. Interactive mode commands

Chapter 5: Algorithms & techniques

- 5.1. Public key cryptography
- 5.2. Hashing
- 5.3. Transaction integrity
- 5.4. Securing blockchain

Chapter 6: Develop a private blockchain using multichain

Chapter 7: Describe the future prospects and real world use cases of blockchain