

## Blockchain Developer Certification

**Course Duration: 24 Hrs.**

**Course code: BDC**

### Course Overview

A blockchain developer certification course aims to equip individuals with the knowledge and skills to develop and deploy blockchain-based applications, including smart contracts, and understand underlying technologies like cryptography and distributed ledgers.

### What you'll learn?

- ❖ Hashing and consensus algorithms and their role in blockchain networks, including proof-of-work (PoW) and proof-of-stake (PoS) consensus mechanisms.
- ❖ The benefits of using blockchain technology and how to determine whether blockchain is the right solution for your business.
- ❖ Blockchain scalability issues and how to resolve them.
- ❖ Digital currencies, including different types of cryptocurrency assets, the tokenization process, and how leading cryptocurrencies (e.g., Bitcoin, Altcoin, Litecoin, Zcash) work.

### Target Audience

Software engineers, programmers, project managers, network administrators, and other technical professionals interested in integrating blockchain applications and architectures into their organization.

### Pre-Requisites

- ❖ General awareness of business management processes
- ❖ Basic knowledge of computers

- ❖ Access to a Linux machine that can be configured as a virtual machine.

## Course content

- Module 1: Introduction to Blockchain Technology
- Module 2: Cryptography and Technology Details
- Module 3: Impact on the Financial Sector
- Module 4: Bitcoin
- Module 5: Blockchain Project Implementation
- Module 6: Security in Blockchain
- Module 7: Crypto mining
- Module 8: Ethereum
- Module 9: Other Cryptocurrencies
- Module 10: AI and Blockchain
- Module 11: Blockchain as a Service
- Module 12: Open-Source Business Blockchain Frameworks
- Module 13: Python for Blockchain
- Module 14: JavaScript for Blockchain
- Module 15: Java for Blockchain
- Module 16: Blockchain Online IDE
- Module 17: Industry Use Cases
- Module 18: IoT and Blockchain
- Module 19: Decentralized Applications (dApps)
- Module 20: Future of Blockchain
- Module 21: Quantum Computing and Blockchain

## Exam Preference

Exam Code	312-81
Length Of Test	90 Minutes
Number Of Question	50 Questions (MCQ)
Certification	Blockchain Developer Certification

