



Understanding Blockchain

Duration: 5 Days

Language: en

Course Code: PI1-101

Objective

:Upon completion of this course, participants will be able to

- Describe blockchain technology, including its structure and key components.
 - Assess the benefits and challenges of blockchain.
- Understand how blockchain impacts both your business and industry.
 - Strategize how blockchain can support your business needs.

Audience

:This course is intended for

- Professionals who want an introduction to this newly emerging technology.
- Decision makers, including team leaders, supervisors, and managers responsible for leveraging blockchain technology in their companies.

Training Methodology

This five-day course on Understanding Blockchain employs an engaging and interactive training methodology designed to provide participants with a deep conceptual understanding of blockchain technology. The approach combines expert-led lectures with hands-on workshops, enabling participants to explore blockchain architecture, security, and practical applications through real-world case studies. Interactive discussions and collaborative group activities will foster peer-to-peer learning and enhance participants' ability to assess the benefits and challenges of blockchain. Additionally, participants will engage in simulation exercises to strategise how blockchain can support their business needs. Continuous feedback and reflection sessions will ensure knowledge retention and practical application, creating a dynamic and immersive learning experience.

Summary

Blockchain is a technology that distributes a shared database or ledger across nodes in a computer network. Its decentralised and distributed nature is disrupting traditional products and services and providing opportunities to securely store different types of transactional data.

This course provides a conceptual understanding of blockchain, including its history, architecture, and some of its current uses. You will explore the benefits and challenges of blockchain technology and its impact on current industries. In addition, you will evaluate how blockchain can be used in your company and explore how blockchain technology is evolving.

Course Content & Outline

Section 1: Overview of blockchain technology

- Explore the history of blockchain.
- Understand peer-to-peer networks and distributed ledger technologies.
- Describe blockchain architecture.

- Review the security and cryptography measures used in blockchain.
 - Compare blockchain to legacy database systems.
- Summarise how cryptocurrencies and NFTs leverage blockchain technology.

Section 2: Blockchain in practice

- Understand decentralised blockchains.
- Identify the benefits and challenges of blockchain.
- Describe how blockchain is changing multiple industries.
 - Identify ways that blockchain impacts your industry.
 - Explore the future evolution of blockchain

Section 3: Explore current uses of blockchain technology

- Case Study 1: Bitcoin
- Case Study 2: Ethereum
- Case Study 3: IBM Food Trust

Certificate Description

Upon successful completion of this training course, delegates will be awarded a Holistique Training Certificate of Completion. For those who attend and complete the online training course, a Holistique Training e-Certificate will be provided.

Holistique Training Certificates are accredited by the British Assessment Council (BAC) and The CPD Certification Service (CPD), and are certified under ISO 9001, ISO 21001, and ISO 29993 standards.

CPD credits for this course are granted by our Certificates and will be reflected on the Holistique Training Certificate of Completion. In accordance with the standards of The CPD Certification Service, one CPD credit is awarded per hour of course attendance. A maximum of 50 CPD credits can be claimed for any single course we currently offer.

Categories

Technology, IT & Computer Application

Tags

Blockchain, Bitcoin, NFTs, shared database

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