Training Course on Applied Blockchain

Professional Development Training Course Outline

Category	Artificial Intelligence And Block Chain	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Block chain technology is transforming industries by providing secure, transparent, and efficient solutions for various applications. The Training Course on Applied Block chain is designed to equip professionals with practical knowledge and skills to harness the power of block chain in real-world scenarios. This comprehensive course covers the fundamentals of block chain technology, its potential applications, and the best practices for implementation.

In today's digital age, blockchain is more than just the foundation of cryptocurrencies; it is a revolutionary technology that offers new ways to address challenges in areas such as finance, supply chain management, healthcare, and government services. This course delves into the core concepts of blockchain, including decentralized ledgers, smart contracts, and consensus algorithms, and explores their practical applications across different sectors.

Programme Curriculum

Training Course on Applied Blockchain

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In today's digital age, blockchain is more than just the foundation of cryptocurrencies; it is a revolutionary technology that offers new ways to address challenges in areas such as finance, supply chain management, healthcare, and government services. This course delves into the core concepts of blockchain, including decentralized ledgers, smart contracts, and consensus algorithms, and explores their practical applications across different sectors. Participants will learn how to develop and deploy blockchain solutions, understand the regulatory and compliance landscape, and gain insights into the future trends of blockchain technology. The course incorporates hands-on exercises, case studies, and interactive sessions to ensure a deep understanding of the material. By the end of the course, participants will be well-equipped to drive blockchain initiatives within their organizations.

Course Duration

5 Days

Course Objectives

1. Understand the fundamental principles of blockchain technology.
2. Learn the key components and architecture of blockchain systems.
3. Explore various blockchain platforms and their use cases.
4. Develop skills to create and deploy smart contracts.
5. Understand the security features and potential vulnerabilities of blockchain.
6. Gain insights into regulatory and compliance issues related to blockchain.
7. Explore blockchain applications in finance, supply chain, healthcare, and more.
8. Learn about consensus mechanisms and their importance in blockchain.
9. Develop strategies for implementing blockchain solutions within organizations.
10. Stay updated on the latest trends and future directions of blockchain technology.

Organizational Benefits

1. Enhance their capacity to innovate using blockchain technology.
2. Improve security and transparency in their operations.
3. Gain a competitive edge by adopting cutting-edge technology.
4. Streamline processes and reduce operational costs.
5. Ensure compliance with emerging regulatory standards.
6. Foster a culture of continuous improvement and innovation.
7. Strengthen their IT infrastructure with robust blockchain solutions.
8. Empower employees with skills to lead digital transformation initiatives.
9. Build trust with stakeholders through transparent and secure transactions.
10. Position themselves as leaders in the adoption of advanced technologies.

Target Participants

- IT professionals and software developers.
- Business executives and decision-makers.
- Entrepreneurs and startup founders.
- Financial analysts and advisors.
- Supply chain and logistics managers.
- Healthcare administrators and professionals.
- Government officials and regulators.
- Legal and compliance officers.
- Academic researchers and students.
- Anyone interested in learning about blockchain technology.

Course Outline

Module 1: Introduction to Blockchain Technology

1. Overview of blockchain and its evolution.
2. Key components: Ledgers, nodes, and cryptography.
3. Types of blockchains: Public, private, and consortium.
4. Blockchain vs. traditional databases.
5. Case Study: Blockchain in digital identity management.

Module 2: Blockchain Platforms and Development

1. Comparison of major blockchain platforms (e.g., Ethereum, Hyperledger, Bitcoin).
2. Setting up a blockchain environment.
3. Developing and deploying smart contracts.
4. Tools and frameworks for blockchain development.
5. Case Study: Creating a decentralized application (DApp).

Module 3: Security and Cryptography in Blockchain

1. Cryptographic principles underpinning blockchain.
2. Security features: Immutability, consensus, and encryption.
3. Common vulnerabilities and attack vectors.
4. Best practices for securing blockchain solutions.
5. Case Study: Addressing security breaches in blockchain projects.

Module 4: Regulatory and Compliance Landscape

1. Legal considerations for blockchain implementation.
2. Understanding global regulatory frameworks.
3. Compliance challenges and solutions.
4. Impact of regulations on blockchain adoption.
5. Case Study: Navigating regulatory hurdles in the finance sector.

Module 5: Blockchain Applications Across Industries

1. Finance: Payments, remittances, and decentralized finance (DeFi).

2. Supply Chain: Tracking and traceability solutions.
3. Healthcare: Patient data management and interoperability.
4. Government: Transparent voting systems and public records.
5. Case Study: Successful blockchain implementations in various sectors.

Module 6: Future Trends and Strategic Implementation

1. Emerging trends in blockchain technology.
2. Integrating blockchain with other technologies (AI, IoT, etc.).
3. Strategic planning for blockchain adoption.
4. Overcoming challenges in blockchain deployment.
5. Case Study: Strategic roadmap for a blockchain project.

Training Methodology

The instructor led trainings are delivered using a blended learning approach and comprises of presentations, guided sessions of practical exercise, web-based tutorials and group work. Our facilitators are seasoned industry experts with years of experience, working as professional and trainers in these fields.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally-recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com