Training Course on Fintech and Blockchain Masterclass

Professional Development Training Course Outline

Category	Artificial Intelligence And Block Chain	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s fast-paced digital economy, the convergence of financial technology (Fintech) and blockchain innovation is revolutionizing how we interact with money, data, and decentralized systems. Training Course on Fintech and Blockchain Masterclass is meticulously crafted for professionals and innovators seeking to master disruptive technologies such as cryptocurrency, digital banking, decentralized finance (DeFi), Web3, smart contracts, and distributed ledger technologies (DLTs). With global finance embracing transformation, this course equips participants with deep insights and applicable skills for navigating the digital financial frontier.

The course bridges foundational knowledge with advanced strategies, emphasizing regulatory compliance, blockchain integration, digital wallets, tokenomics, and real-time payments. Learners will explore real-world applications, from supply chain transparency to cross-border transactions, enabling informed decisions and forward-thinking leadership. Whether you're in finance, IT, law, or entrepreneurship, this cutting-edge masterclass provides the tools to harness emerging trends, implement innovative solutions, and remain competitive in a rapidly evolving financial landscape.

Programme Curriculum

Training Course on Fintech and Blockchain Masterclass

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Course Objectives

1. Understand blockchain fundamentals and its role in financial digitization.
2. Explore the ecosystem of Fintech startups, RegTech, and InsurTech.
3. Analyze the structure and use cases of cryptocurrencies and token economies.
4. Learn the design and application of smart contracts and DeFi protocols.
5. Identify the benefits and risks of central bank digital currencies (CBDCs).
6. Examine Fintech regulations, data privacy laws, and KYC/AML compliance.
7. Understand blockchain scalability, interoperability, and layer 2 solutions.
8. Assess blockchain’s impact on cross-border payments and real-time settlements.
9. Integrate AI in Fintech and blockchain-powered predictive analytics.
10. Evaluate blockchain's use in supply chain management and asset tokenization.
11. Design strategies for digital wallet architecture and blockchain security.
12. Understand NFTs, DAOs, and Web3 ecosystems for business innovation.
13. Apply blockchain and Fintech innovations in real-world business case studies.

Target Audience

1. Financial Analysts
2. Blockchain Developers
3. Regulatory Compliance Officers
4. Startup Founders
5. Bank Executives
6. IT Consultants
7. Investment Managers
8. Legal Advisors in Fintech

Course Duration: 10 days

Course Modules

Module 1: Introduction to Fintech and Blockchain

- Overview of Fintech disruption
- Key drivers behind blockchain innovation
- History and evolution of digital finance
- Regulatory landscapes shaping adoption
- Global impact and emerging trends
- **Case Study: The rise of Revolut and digital banks**

Module 2: Cryptocurrency and Digital Assets

- Understanding Bitcoin, Ethereum, and altcoins
- Crypto market analysis tools
- Digital wallets and storage options
- Stablecoins vs volatile assets
- Regulatory challenges in crypto markets

- **Case Study: The Bitcoin ETF launch and market response**

Module 3: Smart Contracts and Decentralized Finance (DeFi)

- Mechanics of smart contracts
- Popular DeFi platforms (Uniswap, Aave)
- DeFi lending/borrowing models
- Risk management in DeFi protocols
- Legal considerations and compliance
- **Case Study: How Compound revolutionized lending**

Module 4: Central Bank Digital Currencies (CBDCs)

- Concepts and design models
- Global CBDC projects (China, EU, US)
- Implications for commercial banks
- Privacy and surveillance concerns
- Interoperability with existing systems
- **Case Study: Digital Yuan pilot program**

Module 5: Blockchain Technology Architecture

- Components: nodes, consensus mechanisms
- Proof of Work vs Proof of Stake
- Layer 1 vs Layer 2 scaling solutions
- Blockchain interoperability tools
- Enterprise blockchain frameworks (Hyperledger, Corda)
- **Case Study: IBM and Maersk's supply chain platform**

Module 6: Digital Wallets and Payment Systems

- Hot vs cold wallets
- Crypto payment gateways
- Peer-to-peer transfers and QR payments
- Security features in wallet design
- Mobile and cross-platform integration
- **Case Study: MetaMask adoption and user growth**

Module 7: Regulatory Compliance and Fintech Law

- Understanding AML/KYC requirements
- Regulatory bodies (SEC, FCA, MAS)
- Data privacy and GDPR implications
- Sandboxes and innovation hubs
- Risk and fraud detection mechanisms
- **Case Study: Ripple vs SEC lawsuit implications**

Module 8: Blockchain for Financial Inclusion

- Microfinance and decentralized access
- Blockchain remittances
- Rural and unbanked population impact
- Mobile money and smart contracts
- Challenges and opportunities in emerging markets
- **Case Study: M-Pesa and blockchain integration**

Module 9: NFTs and the Creator Economy

- What are NFTs and how do they work?
- Marketplaces (OpenSea, Rarible)
- NFT royalties and smart contract standards
- Intellectual property rights and ownership
- Business models for creators and brands
- **Case Study: Nike's NFT drops and digital fashion**

Module 10: Web3 and Decentralized Governance

- Introduction to Web3 architecture
- DAOs and decentralized voting systems
- Identity and reputation on-chain
- Web3 wallets and user interaction
- Future of internet ownership models
- **Case Study: ConstitutionDAO fundraising experiment**

Module 11: Blockchain in Supply Chain and Logistics

- Traceability and transparency
- Real-time tracking and inventory
- Smart contracts for fulfillment
- Blockchain + IoT integrations
- Anti-counterfeit measures
- **Case Study: Walmart’s food traceability system**

Module 12: AI and Predictive Analytics in Fintech

- AI models for credit scoring
- Predictive fraud detection
- Robo-advisors and portfolio management
- Machine learning in DeFi markets
- Natural language processing in finance
- **Case Study: Upstart’s AI-driven lending platform**

Module 13: Tokenization of Assets

- Real estate and equity tokenization
- Liquidity and fractional ownership
- Compliance and legal frameworks
- Platforms enabling tokenized trading
- Impact on traditional financial markets
- **Case Study: Tokeny and security token offerings**

Module 14: Investing in Fintech Startups

- Fintech VC trends and funding stages
- Business model analysis
- Risk and ROI in disruptive innovation
- Exit strategies and IPOs
- Regulatory due diligence
- **Case Study: Stripe’s funding journey**

Module 15: Capstone Project and Future of Fintech

- Developing a Fintech strategy proposal
- Presentation and peer review

- Leveraging AI, blockchain, and Web3
- Emerging roles and skillsets
- Pitching to investors or stakeholders
- **Case Study: Building a decentralized finance startup**

Training Methodology

- Expert-led live sessions and webinars
- Interactive workshops and group discussions
- Hands-on practice with real-world tools
- Capstone project and peer evaluations
- Case study analysis and simulation exercises
- Access to digital content and lifetime resources

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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

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