Blockchain in Health Training Course

Professional Development Training Course Outline

Category	Public Health	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Blockchain in Health Training Course is designed to equip healthcare professionals, IT specialists, hospital administrators, medical researchers, and digital health innovators with advanced knowledge of blockchain technology in healthcare ecosystems. This course explores how decentralized healthcare systems, smart contracts, digital identity management, electronic health records (EHR), healthcare cybersecurity, AI-integrated blockchain, interoperability, tokenization, and Web3 healthcare solutions are transforming the global healthcare industry. Participants will gain practical exposure to blockchain applications that enhance patient data security, medical transparency, fraud prevention, clinical trial management, pharmaceutical supply chain tracking, and telemedicine security.

The program combines industry-driven theory, practical implementation strategies, and real-world healthcare blockchain case studies to prepare learners for emerging opportunities in HealthTech, Digital Transformation, Health Informatics, MedTech Innovation, and Healthcare Data Governance. With growing adoption of AI-powered healthcare systems, cloud-based medical records, IoT healthcare devices, decentralized apps (dApps), and predictive analytics, blockchain has become a critical technology for secure and intelligent healthcare management. This training empowers participants with hands-on skills, strategic insights, and implementation frameworks required to lead digital innovation in hospitals, healthcare startups, insurance companies, pharmaceutical organizations, and public health systems.

Programme Curriculum

Blockchain in Health Training Course

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Course Duration

5 days

Course Objectives

1. Understand the fundamentals of Blockchain Technology in Healthcare
2. Explore Electronic Health Record (EHR) Security using blockchain
3. Learn Smart Contracts for Healthcare Automation
4. Analyze Healthcare Cybersecurity and Data Privacy
5. Implement Decentralized Patient Data Management
6. Study AI and Blockchain Integration in Digital Health
7. Examine Healthcare Supply Chain Transparency
8. Develop secure Telemedicine and Remote Care Systems
9. Understand Healthcare Interoperability Frameworks
10. Explore NFTs and Tokenization in Medical Records
11. Learn Clinical Trial Data Validation using Blockchain
12. Study Regulatory Compliance, HIPAA, and GDPR
13. Build strategies for Web3 Healthcare Innovation and Digital Transformation

Target Audience

1. Healthcare Professionals and Doctors
2. Hospital Administrators and Healthcare Managers
3. Health Informatics Professionals
4. IT and Cybersecurity Specialists
5. Blockchain Developers and Software Engineers
6. Pharmaceutical and Medical Device Companies
7. Healthcare Startup Founders and Entrepreneurs
8. Government Health Departments and Policy Makers

Course Modules

Module 1: Fundamentals of Blockchain in Healthcare

- Introduction to Blockchain Architecture

- Distributed Ledger Technology (DLT)
- Types of Blockchain Networks
- Healthcare Digital Transformation Trends
- Blockchain Ecosystem in HealthTech
- **Case Study:** Implementation of blockchain-enabled patient record systems in multi-specialty hospitals

Module 2: Electronic Health Records (EHR) & Data Security

- Secure Patient Data Management
- Healthcare Data Encryption Techniques
- Identity and Access Management
- Decentralized Medical Records
- HIPAA & GDPR Compliance
- **Case Study:** Blockchain-secured EHR sharing between hospitals and laboratories

Module 3: Smart Contracts in Healthcare

- Smart Contract Fundamentals
- Automated Insurance Claims Processing
- Prescription Validation Systems
- Clinical Workflow Automation
- Fraud Detection and Prevention
- **Case Study:** Smart contract-based automated health insurance settlement system

Module 4: Blockchain for Healthcare Supply Chain

- Pharmaceutical Supply Chain Tracking
- Drug Authentication Systems
- Counterfeit Medicine Prevention
- IoT Integration for Cold Chain Monitoring
- Real-Time Inventory Transparency
- **Case Study:** Vaccine distribution tracking using blockchain and IoT sensors

Module 5: AI, IoT & Blockchain Integration

- AI-Powered Healthcare Analytics
- Blockchain for Wearable Devices
- Predictive Healthcare Systems
- Secure IoT Medical Devices
- Cloud and Edge Computing in Healthcare
- **Case Study:** AI-enabled remote patient monitoring with blockchain security

Module 6: Telemedicine & Decentralized Healthcare

- Blockchain in Telehealth Platforms
- Digital Identity Verification
- Secure Video Consultation Systems
- Cross-Border Healthcare Access
- Patient-Centered Care Models
- **Case Study:** Decentralized telemedicine platform for rural healthcare services

Module 7: Clinical Trials & Research Data Management

- Clinical Trial Transparency
- Research Data Integrity
- Consent Management Systems
- Real-Time Research Collaboration
- Blockchain for Genomic Data
- **Case Study:** Blockchain-based clinical trial validation for pharmaceutical research

Module 8: Future Trends & Healthcare Innovation

- Web3 Healthcare Applications
- Metaverse in Healthcare
- NFT-Based Medical Certifications
- Tokenized Healthcare Ecosystems
- Future Career Opportunities in Blockchain Health
- **Case Study:** Web3-enabled patient engagement and digital wellness platforms

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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