MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

BLOCKCHAIN IN THE HEALTHCARE INDUSTRY

"Revolutionizing Healthcare with Transparent, Secure, and Decentralized Data Management."

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

► **Available delivery methods:** In-House Training

Introduction

Blockchain is transforming the healthcare industry by enabling secure, tamper-proof data sharing, enhancing patient privacy, and improving interoperability. This course provides healthcare professionals and IT teams with a deep understanding of blockchain technologies, their applications in medical records, supply chains, clinical trials, and patient consent management. Participants will explore how decentralized solutions can optimize trust, traceability, and data integrity across healthcare systems.

Objectives

By the end of this training, participants will be able to:

- Understand the fundamentals of blockchain technology and distributed ledgers
- Explore blockchain use cases in electronic health records (EHR), pharmaceuticals, and clinical trials
- Evaluate smart contracts for consent management and claims automation
- Assess the security, privacy, and compliance implications of blockchain in healthcare
- Develop strategies for integrating blockchain into existing healthcare IT infrastructures

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Why Attend

Blockchain offers a groundbreaking opportunity to secure health data, reduce fraud, and increase system interoperability. This course equips decision-makers and practitioners with the practical skills to evaluate and lead blockchain initiatives.

Target Audience

- Healthcare Executives and Policy Makers
- Health Informatics and IT Professionals
- Hospital Administrators and Operations Managers
- Pharmaceutical Supply Chain Professionals
- Developers and Consultants in HealthTech

Individual Benefits

- Learn to design and evaluate blockchain use cases for healthcare
- Gain knowledge of privacy-preserving data sharing methods
- Strengthen your digital transformation and cybersecurity skillset
- Earn a recognized certification in healthcare blockchain innovation

Organizational Benefits

- Enhance the security and integrity of medical data
- Improve operational efficiency through automation and transparency
- Reduce fraud, billing errors, and counterfeit drug circulation
- Facilitate trusted interoperability between providers and insurers

Instructional Methodology

- Interactive sessions with blockchain demos
- Case studies from hospitals, pharma, and health tech pilots
- Workshops on blockchain design, integration, and governance
- Group simulations and smart contract exercises

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Training Hours: 7:30 AM – 3:30 PM

Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Blockchain Fundamentals for Healthcare

Module 1: Blockchain Architecture – Nodes, Consensus, Ledgers (07:30 – 09:30)

Module 2: Public vs Private Blockchains – Ethereum, Hyperledger (09:45 – 11:15)

Module 3: Blockchain Benefits & Limitations in Healthcare (11:30 – 01:00)

Module 4: Case Study: Blockchain-based Health Record Access (02:00 – 03:30)

Day 2: Medical Data & Interoperability

Module 1: Blockchain for EHR and Patient Identity Management (07:30 – 09:30)

Module 2: Patient-Controlled Health Records – Privacy & Portability (09:45 – 11:15)

Module 3: Decentralized Data Sharing Across Providers (11:30 – 01:00)

Module 4: Workshop: Mapping Blockchain to Current EHR Systems (02:00 – 03:30)

Day 3: Smart Contracts & Compliance

Module 1: Smart Contracts in Health Insurance & Consent (07:30 – 09:30)

Module 2: Claims Processing and Billing Automation (09:45 – 11:15)

Module 3: Regulatory Considerations – HIPAA, GDPR, HL7 (11:30 – 01:00)

Module 4: Simulation: Writing a Simple Smart Contract for Consent (02:00 – 03:30)

Day 4: Pharmaceutical Supply Chain & Clinical Trials

Module 1: Blockchain in Drug Traceability & Anti-Counterfeiting (07:30 – 09:30)

Module 2: Clinical Trial Transparency and Data Sharing (09:45 – 11:15)

Module 3: Vaccine Passport and Cold Chain Monitoring (11:30 – 01:00)

Module 4: Group Project: Building a Blockchain Use Case (02:00 – 03:30)

Day 5: Strategy, Governance & Implementation

Module 1: Selecting the Right Blockchain Platform (07:30 – 09:30)

Module 2: Organizational Readiness and Stakeholder Engagement (09:45 – 11:15)

Module 3: Governance Models and Risk Management (11:30 – 01:00)

Module 4: Final Presentations, Certification Wrap-Up & Roadmapping (02:00 – 03:30)

Certification

Participants will be awarded a **Certificate in Blockchain in the Healthcare Industry** upon successful completion of all training modules and final project. The course aligns with international trends in digital health, patient privacy, and interoperable data systems.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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