MAWA EVENTS

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

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

BLOCKCHAIN IMPLEMENTATION

"Harnessing the Power of Blockchain Technology for Operational Efficiency and Business Innovation"

Schedule

Date	Venue	Fees (Face-to-Face)
01 – 03 Sep 2026	Manama – Bahrain	USD 2495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Blockchain technology has revolutionized the way industries handle transactions, data security, and transparency. It is rapidly gaining traction across sectors such as finance, healthcare, supply chain management, and government. As blockchain offers decentralized and immutable record-keeping capabilities, its potential to improve operational efficiency, reduce costs, and enhance trust is immense.

This 3-day intensive course is designed to provide participants with a thorough understanding of blockchain technology, its applications, and how to successfully implement blockchain solutions in various industries. By the end of the course, participants will have the knowledge and practical tools to evaluate blockchain technology, understand its key components, and implement it effectively within their organizations.

Objectives

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

- Understand the core principles and components of blockchain technology
- Evaluate the potential applications and benefits of blockchain in various industries
- Identify the challenges and risks associated with blockchain implementation
- Develop strategies for implementing blockchain solutions in real-world scenarios
- Build decentralized applications (dApps) and understand smart contracts

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Why Attend

- Learn the fundamentals of blockchain technology and its potential to transform industries
- Gain a practical understanding of blockchain implementation and its real-world applications
- Develop the skills to integrate blockchain solutions into existing business models
- Enhance your ability to assess the feasibility of blockchain for business operations and decision-making
- Stay ahead of the competition by understanding the latest trends and innovations in blockchain technology

Target Audience

This program is designed for:

- IT managers, system architects, and developers
- Business managers and leaders looking to understand the strategic potential of blockchain
- Professionals in finance, logistics, healthcare, and other industries exploring blockchain applications
- Entrepreneurs and innovators interested in exploring blockchain for business solutions
- Anyone involved in digital transformation or business process improvement

Individual Benefits

Key competencies that will be developed include:

- A deep understanding of blockchain technology and its key components (distributed ledgers, consensus protocols, and cryptography)
- Hands-on experience with building decentralized applications and smart contracts
- Ability to assess blockchain’s potential to address operational challenges
- Skills to implement and manage blockchain solutions in a business context
- Enhanced problem-solving abilities related to blockchain deployment and integration

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved ability to evaluate the suitability of blockchain for various organizational needs
- Enhanced capacity to manage blockchain implementation projects effectively
- Greater understanding of how blockchain can increase transparency, security, and efficiency within business processes
- Strategic insight into using blockchain for innovation and competitive advantage
- Knowledge of overcoming the challenges associated with blockchain adoption

Instructional Methodology

The course follows a blended learning approach combining theory with practical application:

- Strategy Briefings – Introduction to blockchain technology, its components, and benefits
- Case Studies – Real-world examples of successful blockchain implementation in various industries
- Workshops – Hands-on exercises for building blockchain applications, creating smart contracts, and implementing solutions
- Peer Exchange – Group discussions on challenges, strategies, and opportunities for blockchain adoption
- Tools – Blockchain development tools, templates, and implementation guides

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Course Outline

DETAILED 3-DAY COURSE OUTLINE

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to Blockchain Technology and Its Components

- Module 1: What is Blockchain? (07:30 – 09:30) • Overview of blockchain technology and its evolution • Key characteristics: decentralization, transparency, and immutability • Components of a blockchain: blocks, chains, miners, and nodes
- Module 2: Consensus Mechanisms and Cryptography (09:45 – 11:15) • Understanding consensus protocols: Proof of Work (PoW), Proof of Stake (PoS), and more • Role of cryptography in securing blockchain networks • Blockchain security and the cryptographic backbone
- Module 3: Blockchain Platforms and Use Cases (11:30 – 01:00) • Overview of popular blockchain platforms: Ethereum, Hyperledger, and others • Blockchain use cases across industries: finance, supply chain, healthcare, and more • Identifying opportunities for blockchain adoption within your organization
- Workshop – Blockchain Fundamentals and Hands-on (02:00 – 03:30) • Practical demonstration of blockchain's core components • Group discussion on blockchain's applicability in various industries

Day 2: Blockchain Implementation and Application Development

- Module 1: Implementing Blockchain Solutions (07:30 – 09:30) • Steps for successfully implementing blockchain technology in an organization • Building a blockchain strategy: aligning technology with business goals • Common challenges in blockchain adoption and how to overcome them
- Module 2: Introduction to Decentralized Applications (dApps) (09:45 – 11:15) • What are dApps and how do they work? • Components of dApps: front-end, smart contracts, and blockchain back-end • Building and deploying a simple dApp using blockchain technology
- Module 3: Smart Contracts and Their Role (11:30 – 01:00) • What are smart contracts and how do they function on the blockchain? • Creating and deploying smart contracts • Real-world applications of smart contracts in business
- Workshop – Building a Decentralized Application (dApp) (02:00 – 03:30) • Hands-on development of a basic dApp and smart contract • Group feedback and discussion on practical implementation

Day 3: Blockchain Integration, Security, and Future Trends

- Module 1: Blockchain Integration with Existing Systems (07:30 – 09:30) • Strategies for integrating blockchain technology with current IT infrastructure • Interoperability between blockchain and legacy systems • Use of APIs and other integration tools
- Module 2: Blockchain Security and Privacy Considerations (09:45 – 11:15) • Securing blockchain applications: data privacy and encryption • Blockchain vulnerabilities and how to mitigate risks • Best practices for maintaining security and integrity
- Module 3: The Future of Blockchain and Emerging Trends (11:30 – 01:00) • Blockchain's role in future innovations: AI, IoT, and more • The impact of blockchain on global business and regulation • Preparing for the next wave of blockchain innovation
- Final Workshop – Blockchain Implementation Strategy (02:00 – 03:30) • Develop a comprehensive blockchain implementation strategy for your organization • Group presentations and feedback

Certification

Participants will receive a Certificate of Completion in Blockchain Implementation, confirming their ability to evaluate, plan, and execute blockchain solutions in their organizations.

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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