MAWA EVENTS

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

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

THE INTERNET OF THINGS (IOT) IN FINANCE

"Leveraging IoT to Transform Financial Services, Risk Management, and Customer Experience"

Schedule

Date	Venue	Fees (Face-to-Face)
02 – 06 Nov 2026	London – UK	USD 3495 per delegate

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

Introduction

The integration of the Internet of Things (IoT) into the financial services sector is driving a wave of innovation that enhances operational efficiency, risk intelligence, and customer experience. From connected devices enabling real-time asset tracking and usage-based insurance to predictive maintenance in ATMs and fraud detection through sensor data, IoT is transforming how financial services are delivered.

This course is designed to equip finance and technology professionals with a deep understanding of how IoT technologies are reshaping banking, insurance, asset management, and fintech ecosystems. It blends strategic insights with technical frameworks and real-world applications to enable participants to design and implement IoT-driven financial services.

Objectives

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

- Understand IoT architecture, platforms, and data flows in financial services
- Identify innovative applications of IoT in banking, insurance, and capital markets
- Evaluate IoT's role in enhancing customer experience, fraud prevention, and credit scoring
- Assess data privacy, cybersecurity, and regulatory implications of IoT in finance
- Design IoT-enabled business models and implementation roadmaps for financial use cases

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Why Attend

- Stay ahead of digital transformation in financial services
- Unlock new revenue streams and cost savings through smart, connected technologies
- Enhance fraud detection, compliance monitoring, and credit risk management
- Improve decision-making using real-time data collected from IoT sources
- Learn from use cases across banking, insurance, and asset management

Target Audience

This program is designed for:

- Finance and fintech executives
- Digital transformation leaders in financial institutions
- IT and data strategy professionals
- Risk, compliance, and fraud analysts
- Product and innovation managers in banking and insurance

Individual Benefits

Key competencies that will be developed include:

- IoT solution planning and deployment in financial services
- Integration of IoT data with financial analytics and customer profiling
- Understanding of security, risk, and compliance in connected ecosystems
- Design thinking for IoT innovation in financial product development
- Ability to evaluate vendors, technologies, and ROI of IoT investments

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved use of data to personalize financial services and reduce fraud
- Enhanced customer engagement through context-aware solutions
- Optimized asset tracking and branch operations
- More effective integration of IoT into digital banking and insurance products
- Increased innovation capacity across financial services teams

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Trends in IoT for financial services, key frameworks, and market insights
- Case Studies – Successful implementations in banking, insurance, and fintech sectors
- Workshops – Use case design, business model development, and impact evaluation
- Peer Exchange – Cross-sector dialogue on challenges, risks, and best practices
- Tools – Templates for IoT strategy, risk assessments, and vendor evaluation

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Course Outline

Detailed 5-Day Course Outline

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: IoT in the Financial Ecosystem

- Module 1: IoT Overview and Architecture (07:30 – 09:30) • IoT components – sensors, gateways, platforms, analytics • Financial services use cases across the value chain
- Module 2: IoT Trends in Banking and Insurance (09:45 – 11:15) • Smart branches, ATM monitoring, and remote advisory • Usage-based insurance and risk modeling
- Module 3: Workshop – Mapping IoT to Financial Products (11:30 – 01:00) • Design a service enhancement with IoT integration
- Module 4: Peer Exchange – Institutional Readiness for IoT (02:00 – 03:30) • Group discussion on barriers and opportunities

Day 2: Data Analytics, Customer Insights, and Experience

- Module 5: Real-Time Data and Decision Intelligence (07:30 – 09:30) • Streaming data pipelines and analytics models • Integrating IoT insights into credit scoring and risk assessment
- Module 6: Customer Behavior and Engagement (09:45 – 11:15) • Location-based services and personalized offers • IoT in customer onboarding and experience design
- Module 7: Workshop – IoT-Powered Customer Journey (11:30 – 01:00) • Map a customer experience with IoT touchpoints
- Module 8: Case Study – Connected Banking or Insurance (02:00 – 03:30) • Review of a real-world implementation

Day 3: Operational Efficiency and Asset Monitoring

- Module 9: IoT in Branch and ATM Management (07:30 – 09:30) • Predictive maintenance, energy optimization, and asset tracking
- Module 10: IoT in Treasury and Asset Management (09:45 – 11:15) • Connected commodities, logistics, and financial planning
- Module 11: Workshop – ROI Evaluation Model for IoT (11:30 – 01:00) • Estimate cost savings and value creation
- Module 12: Peer Exchange – Shared Services and Operational Use Cases (02:00 – 03:30) • Insights on IoT in infrastructure and operations

Day 4: Risk, Security, and Compliance

- Module 13: Cybersecurity and Data Privacy (07:30 – 09:30) • Threats in IoT-enabled financial ecosystems • Encryption, identity, and access management
- Module 14: Regulatory Landscape and Compliance (09:45 – 11:15) • GDPR, PSD2, ISO 27001, and financial data ethics
- Module 15: Workshop – IoT Risk Assessment Template (11:30 – 01:00) • Identify, score, and mitigate IoT-related risks
- Module 16: Case Study – Financial Data Breach (02:00 – 03:30) • Analysis of a real-world security failure
- **Day 5: Strategy, Innovation, and Implementation**
- Module 17: Building an IoT Strategy for Finance (07:30 – 09:30) • Setting goals, selecting technologies, and stakeholder alignment
- Module 18: Technology Selection and Partnering (09:45 – 11:15) • Comparing platforms, integrators, and APIs
- Module 19: Final Project – IoT Roadmap Presentation (11:30 – 01:00) • Develop and present a financial services IoT strategy
- Module 20: Wrap-Up, Feedback, and Certification (02:00 – 03:30) • Knowledge recap and certification awarding

Certification

Participants will receive a Certificate of Completion in The Internet of Things (IoT) in Finance, validating their ability to design and implement IoT strategies that drive innovation, operational efficiency, and customer value in the financial services sector.

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Why Choose MAWA Events

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