

INTERNET OF THINGS (IOT) IN BANKING & FINANCE

"Harness the Power of IoT to Revolutionize Customer Experience, Security, and Operational Efficiency in Financial Services."

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

Introduction

The **Internet of Things (IoT) in Banking & Finance** course is designed to explore how interconnected devices and smart systems are reshaping the financial landscape. From enhancing personalized banking experiences to optimizing asset tracking and fraud detection, IoT offers banks and financial institutions innovative tools to improve decision-making, reduce risk, and elevate service delivery. This course bridges technical concepts with business applications to help professionals lead IoT-enabled transformation in financial services.

Objectives

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

- Understand IoT fundamentals and their relevance to banking and finance
- Identify key use cases for IoT in customer engagement, operations, and security
- Evaluate IoT architecture, data flow, and analytics in financial systems
- Explore integration with AI, blockchain, and mobile banking solutions
- Assess challenges including data privacy, cybersecurity, and compliance

Why Attend

With the increasing digitization of banking services and customer touchpoints, IoT plays a critical role in driving contextual and real-time banking. This course empowers managers and tech leaders to develop strategies for integrating IoT to gain competitive advantages.

Target Audience

- Banking and Financial Services Managers
- Technology and Innovation Leaders
- Digital Transformation & Strategy Teams
- Compliance, Risk, and IT Security Officers
- Consultants and FinTech Professionals

Individual Benefits

- Gain insight into emerging IoT technologies and trends
- Learn to lead and manage IoT implementation projects
- Build competence in risk-aware, real-time data strategy
- Enhance your professional profile in digital finance

Organizational Benefits

- Leverage IoT for process automation and risk control
- Deliver personalized, location-aware customer services
- Improve asset monitoring, ATM/device maintenance, and fraud detection
- Stay ahead in the race for digital financial innovation

Instructional Methodology

- Expert-led sessions and technical demonstrations
- Case studies from banks, FinTechs, and payment providers
- Group discussions and use-case brainstorming
- Hands-on IoT architecture mapping exercises

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: Introduction to IoT and Financial Ecosystem

Module 1: IoT Fundamentals: Sensors, Devices, Networks (07:30 – 09:30)

Module 2: IoT in Financial Services: Use Cases and Market Trends (09:45 – 11:15)

Module 3: Business Models for IoT in Banking (11:30 – 01:00)

Module 4: Workshop: IoT Opportunity Mapping for Banks (02:00 – 03:30)

Day 2: Architecture and Technology Enablers

Module 1: IoT Architecture and Components in Financial Systems (07:30 – 09:30)

Module 2: Cloud, Edge Computing & Real-Time Processing (09:45 – 11:15)

Module 3: Integration with Core Banking and CRM Platforms (11:30 – 01:00)

Module 4: Demo: Real-Time Data Flow from IoT Devices (02:00 – 03:30)

Day 3: Customer Engagement & Smart Banking

Module 1: Smart Branches and ATM Monitoring with IoT (07:30 – 09:30)

Module 2: Location-Based & Personalized Services (09:45 – 11:15)

Module 3: IoT in Wealth Management and Insurance (11:30 – 01:00)

Module 4: Group Case Study: Designing an IoT-Enabled Customer Experience (02:00 – 03:30)

Day 4: IoT Security, Risk & Compliance

Module 1: IoT Risks: Device Tampering, Spoofing, Data Breaches (07:30 – 09:30)

Module 2: Cybersecurity Frameworks for Financial IoT (09:45 – 11:15)

Module 3: Regulatory Considerations & Data Governance (11:30 – 01:00)

Module 4: Scenario Simulation: IoT Security Incident Response (02:00 – 03:30)

Day 5: Strategy, Deployment, and Future Outlook

Module 1: Building an IoT Strategy and Execution Plan (07:30 – 09:30)

Module 2: Vendor Evaluation, Partnerships & Pilots (09:45 – 11:15)

Module 3: Scaling IoT in Multi-Branch Environments (11:30 – 01:00)

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

Certification

Participants will receive a **Certificate in Internet of Things (IoT) in Banking & Finance** upon successful completion of training activities and strategy presentation. The certificate reflects a practical understanding of IoT deployment in financial services.

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