MAWA EVENTS

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

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

DIGITAL TWINNING FOR BANKS

"Transform Banking Operations with Real-Time, Data-Driven Digital Twin Solutions."

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

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

Introduction

This cutting-edge course introduces banking professionals to the concept of **Digital Twinning**—a dynamic, real-time digital representation of physical assets, systems, or processes. Tailored for the financial sector, the course explores how banks can simulate, analyze, and optimize customer journeys, branch operations, risk profiles, compliance activities, and digital infrastructures. Through practical sessions and real-world banking applications, participants will gain the knowledge and strategic mindset to implement digital twin models that improve decision-making, service efficiency, and business continuity.

Objectives

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

- Understand the principles and architecture of digital twins in the banking context
- Identify key processes and systems suitable for digital twin implementation
- Simulate and optimize customer service, transaction flows, and compliance
- Use real-time data integration to enable predictive analytics and risk mitigation
- Develop digital twin strategies aligned with digital transformation goals

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Why Attend

Digital twins are reshaping how banks operate by offering deeper visibility, control, and predictive capabilities. Attending this course will position you at the forefront of innovation, enabling you to enhance digital banking performance and resilience.

Target Audience

- Heads of Digital Transformation and Innovation
- Risk & Compliance Officers
- Banking Operations Managers
- IT Architects and Data Engineers in Financial Institutions
- Customer Experience and Strategy Professionals

Individual Benefits

- Gain practical insights into how digital twins are used in banking
- Enhance your skills in data integration, process simulation, and predictive modeling
- Strengthen your leadership role in digital transformation initiatives
- Build a foundation for integrating AI, IoT, and real-time analytics in banking

Organizational Benefits

- Improve operational visibility, efficiency, and agility
- Reduce costs through process optimization and early risk detection
- Strengthen regulatory compliance and customer service
- Foster a culture of data-driven decision-making and innovation

Instructional Methodology

- Industry case studies from leading digital-first banks
- Interactive workshops and simulation labs
- Real-time data modeling exercises
- Roadmapping tools and digital maturity assessments

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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: Foundations of Digital Twinning in Banking

Module 1: Introduction to Digital Twins – Concepts & Evolution (07:30 – 09:30)

Module 2: Use Cases in Financial Services (Customer, Ops, Risk) (09:45 – 11:15)

Module 3: Digital Twin Architecture & Core Technologies (11:30 – 01:00)

Module 4: Strategy Alignment with Bank's Digital Goals (02:00 – 03:30)

Day 2: Data Infrastructure & Real-Time Modeling

Module 1: Data Sources & Integration (CRM, ERP, IoT, APIs) (07:30 – 09:30)

Module 2: Real-Time Analytics & Data Streams (09:45 – 11:15)

Module 3: Digital Twin Engines & Simulation Platforms (11:30 – 01:00)

Module 4: Lab: Building a Simple Digital Twin Prototype (02:00 – 03:30)

Day 3: Customer Experience & Operational Optimization

Module 1: Digital Twins for Omnichannel Customer Journeys (07:30 – 09:30)

Module 2: Predictive Service Design & CX Optimization (09:45 – 11:15)

Module 3: Virtual Branch Operations & Simulation (11:30 – 01:00)

Module 4: Case Study: Improving Loan Origination with Digital Twins (02:00 – 03:30)

Day 4: Risk, Compliance & Security Applications

Module 1: Digital Twins for Risk Monitoring & Compliance Simulation (07:30 – 09:30)

Module 2: Modeling Cybersecurity Threats and Breach Scenarios (09:45 – 11:15)

Module 3: Regulatory Sandboxing Using Digital Twins (11:30 – 01:00)

Module 4: Workshop: Simulating Fraud Detection (02:00 – 03:30)

Day 5: Roadmap, Strategy & Future Trends

Module 1: Developing a Digital Twin Strategy for Your Bank (07:30 – 09:30)

Module 2: KPIs, Success Metrics, and Governance Models (09:45 – 11:15)

Module 3: Future Trends: AI-Driven Twins, Metaverse, and Beyond (11:30 – 01:00)

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

Certification

Participants will receive a **Certificate of Completion: Digital Twinning for Banks**, validating their understanding of digital twin strategies and tools in a financial context.

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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