AI-Driven Decision Making for Banks Training Course

Professional Development Training Course Outline

Category	Banking Institute	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Artificial Intelligence (AI) is transforming the global banking industry by enabling data-driven decision-making, predictive analytics, intelligent automation, digital banking innovation, fraud detection, customer intelligence, credit risk analytics, regulatory technology (RegTech), anti-money laundering (AML), and real-time financial insights. AI-driven decision-making empowers banks to convert massive volumes of structured and unstructured data into actionable insights, enabling executives and operational teams to make faster, smarter, and more accurate business decisions.

AI-Driven Decision Making for Banks Training Course equips banking professionals with practical knowledge and strategic skills to harness AI for competitive advantage. Participants will explore the latest innovations in AI governance, responsible AI, digital transformation, predictive modeling, customer analytics, AI risk management, ESG analytics, cloud AI platforms, intelligent finance, hyperautomation, AI ethics, and financial innovation. Through real-world banking case studies, hands-on exercises, and industry best practices, learners will understand how AI supports executive decision-making, improves compliance, minimizes operational risks, enhances profitability, and builds future-ready digital banking ecosystems

Programme Curriculum

AI-Driven Decision Making for Banks Training Course

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Course Duration

5 days

Course Objectives

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

1. Understand AI-Driven Decision Intelligence in modern banking.
2. Apply Machine Learning and Predictive Analytics for strategic banking decisions.
3. Utilize Generative AI and Large Language Models (LLMs) in financial operations.
4. Improve Fraud Detection and Financial Crime Analytics using AI.
5. Implement AI-powered Credit Risk Assessment and Loan Underwriting.
6. Leverage Customer 360 Analytics and Hyper-Personalization for customer engagement.
7. Enhance RegTech, AML Compliance, and KYC Automation through AI.
8. Develop Real-Time Business Intelligence Dashboards for executive decisions.
9. Strengthen AI Governance, Responsible AI, and Explainable AI (XAI) frameworks.
10. Optimize Treasury Management and Financial Forecasting using predictive AI.
11. Integrate Cloud AI, Intelligent Automation, and Robotic Process Automation (RPA) into banking workflows.
12. Build AI-Driven Digital Transformation Strategies aligned with banking objectives.
13. Evaluate emerging technologies including Agentic AI, Autonomous Banking, AI Copilots, and Intelligent Decision Support Systems.

Target Audience

1. Bank Executives and Senior Management
2. Branch Managers
3. Risk Management Professionals
4. Credit and Lending Officers
5. Compliance, AML, and Internal Audit Officers
6. Digital Banking and Innovation Teams
7. Data Analysts, Business Intelligence Professionals, and AI Specialists
8. IT Managers, Technology Leaders, and Financial Consultants

Course Modules

Module 1: AI Fundamentals for Banking Decision Making

- AI, Machine Learning, Deep Learning, and Generative AI overview
- AI trends transforming global banking
- Banking AI ecosystem and digital transformation

- AI maturity models for financial institutions
- Ethical AI and Responsible AI principles
- **Case Study:** AI transformation strategy implemented by a leading international retail bank.

Module 2: Data-Driven Decision Intelligence

- Banking data management and governance
- Predictive analytics for strategic decisions
- Customer segmentation using AI
- AI-powered dashboards and executive reporting
- Data visualization for banking leaders
- **Case Study:** Customer churn prediction using machine learning in retail banking.

Module 3: AI for Credit Risk and Lending

- AI-based credit scoring models
- Alternative data for lending decisions
- Loan approval automation
- Early warning systems for non-performing loans
- Portfolio risk optimization
- **Case Study:** Machine learning models reducing loan default rates.

Module 4: Fraud Detection and Financial Crime Analytics

- AI-powered fraud monitoring
- Real-time transaction anomaly detection
- AML and KYC automation
- Behavioral analytics
- Cyber fraud prevention strategies
- **Case Study:** AI-driven fraud detection reducing financial losses in digital banking.

Module 5: Customer Intelligence and Personalized Banking

- Customer 360 analytics
- AI-powered recommendation engines
- Conversational AI and virtual assistants
- Sentiment analysis using NLP
- Hyper-personalized financial services
- **Case Study:** AI chatbot improving customer satisfaction and service efficiency.

Module 6: Intelligent Operations and Automation

- Robotic Process Automation (RPA)
- Intelligent document processing
- AI in treasury operations
- Workflow automation
- Hyperautomation strategies
- **Case Study:** Automation of loan processing reducing turnaround time by over 60%.

Module 7: AI Governance, Compliance, and Cybersecurity

- AI governance frameworks

- Explainable AI (XAI)
- Model risk management
- Regulatory compliance and RegTech
- AI cybersecurity strategies
- **Case Study:** Building an AI governance framework for regulatory compliance.

Module 8: Future of AI in Banking

- Agentic AI and autonomous banking
- AI Copilots for banking professionals
- Generative AI for financial advisory
- Digital twins in banking operations
- AI innovation roadmap and implementation strategy
- **Case Study:** Strategic AI roadmap for transforming a traditional bank into an AI-driven financial institution.

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com