



MaiCoE
Malaysia AI
Centre of Excellence
Smart Ideas, Smarter Nation



STRATEGIC AI ADOPTION IN FINANCE

RISK, COMPLIANCE AND VALUE CREATION

HRD Corp Claimable Course ID: 10001658665

Master Strategic AI Adoption in Finance – gain practical skills in AI strategy, risk management, compliance, and measurable ROI, empowering finance leaders to drive value creation, innovation, and future-ready decision-making.



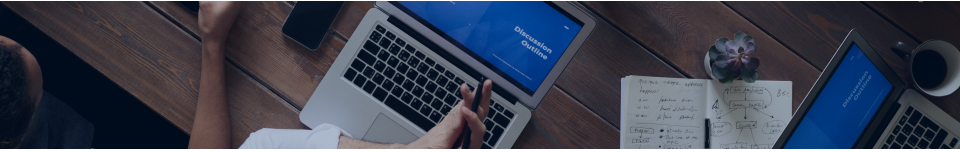
More Info

www.maicoe.org

info@maicoe.org



MaiCoE
Malaysia AI
Centre of Excellence
Smart Ideas, Smarter Nation



PROGRAMME OVERVIEW

This intensive two-day executive programme equips finance professionals and organisational leaders with a strategic understanding of how Artificial Intelligence (AI) can be adopted responsibly to enhance financial decision-making, strengthen compliance, and generate measurable business value.

As AI rapidly transforms the finance sector, institutions face new opportunities and challenges in risk governance, regulatory accountability, fraud detection, credit assessment, and strategic planning. Participants will explore key AI concepts, real-world financial use cases, and practical implementation frameworks.

The programme emphasises aligning AI initiatives with organisational goals, ensuring transparency and regulatory readiness, and developing value-driven business cases. By the end, participants will be prepared to confidently lead AI-enabled transformation initiatives supported by sound risk management and compliance integration strategies.

85%

of financial institutions use AI for fraud detection, risk modelling, and core financial operations worldwide.

Source: RGP Consulting

92%

of banking and finance organisations now using AI models to support customer service operations.

Source: rezo.ai 2026





MaiCoE
Malaysia AI
Centre of Excellence
Smart Ideas, Smarter Nation



Key Takeaways

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

- **Understand and position AI** strategically in finance, distinguishing between machine learning, deep learning, and generative AI for risk, compliance, and value creation.
- **Identify high-impact AI opportunities** across finance functions, including fraud detection, lending, portfolio optimisation, budgeting, and regulatory monitoring.
- **Evaluate AI adoption** through a governance and risk lens, balancing measurable ROI with ethical, regulatory, and operational accountability.
- **Develop an actionable AI adoption roadmap** for finance leaders, supported by executive-ready strategy memos, compliance dashboards, and cross-functional implementation plans.

“ AI is no longer a future consideration in finance — it is a present force shaping strategy, risk management, and competitive opportunity. The AI in Finance programme provides finance leaders with a structured journey from understanding core AI concepts to applying them within finance-specific contexts. Drawing on his expertise in applied AI, data analytics, and intelligent systems, the programme emphasises practical, responsible adoption aligned with governance and regulatory expectations. Participants will learn how to strategically leverage AI to strengthen financial decision-making, enhance risk oversight, and deliver measurable, sustainable business impact. ”

Rayner Alfred
Professor of Computer Science (AI)
Malaysia AI Centre of Excellence

Who is this programme for?

This programme is designed for senior finance and governance decision-makers:

- ✓ Chief Financial Officers (CFOs) & Deputy CFOs
- ✓ Finance Directors and Group Finance Controllers
- ✓ Heads of Financial Planning & Analysis and Budgeting Leaders
- ✓ Chief Risk Officers (CROs) and Enterprise Risk Managers
- ✓ Compliance, Regulatory Affairs, and Governance Leaders
- ✓ AML, Fraud Prevention, and Financial Crime Managers
- ✓ Credit Risk, Lending, and Investment Strategy Executives
- ✓ Internal Audit Directors & Digital/AI Transformation Leaders in Finance



MaiCoE
Malaysia AI
Centre of Excellence
Smart Ideas, Smarter Nation



Programme Curriculum

MODULE 1: Introduction to AI-Powered Solutions & ML Landscape

Purpose: To build executive-level understanding of AI concepts and establish the foundation for responsible AI adoption in finance, risk, and compliance functions.

Topics covered includes

- Supervised and unsupervised learning in financial services
- Structured vs unstructured financial data
- Model selection for finance use cases
- Generative AI applications in finance operations and reporting
- AI readiness: data quality, governance, and organisational preparedness

MODULE 2: AI in Trading and Investment Management

Purpose: To explore how AI enhances investment decision-making, portfolio optimisation, and market intelligence through advanced analytics and automation.

Topics covered includes

- Quantitative finance and AI-driven trading models
- Market prediction and algorithmic execution strategies
- Natural Language Processing (NLP) for financial sentiment analysis
- Portfolio optimisation using machine learning

MODULE 3: Artificial Intelligence in Lending and Credit Risk

Purpose: To examine how AI improves credit assessment and lending decisions while addressing fairness, transparency, and regulatory accountability.

Topics covered includes

- AI-based credit scoring and risk modelling
- Alternative data sources in lending (digital footprint, behavioural data)
- Explainable AI (XAI) in credit decision systems
- Algorithmic bias and fairness in loan approvals
- Automated underwriting workflows
- Regulatory considerations in AI-driven lending

MODULE 4: Artificial Intelligence in FP&A, Forecasting and Budgeting

Purpose: To demonstrate how AI modernises financial planning by improving forecasting accuracy, enabling real-time insights, and supporting strategic decision-making.

Topics covered includes

- AI-driven forecasting models for revenue and cost prediction
- Predictive analytics in budgeting and scenario planning
- Real-time financial dashboards and business intelligence
- Automation of reporting and performance monitoring
- Data governance for FP&A systems
- Strategic implications of AI-enabled finance functions



MaiCoE
Malaysia AI
Centre of Excellence
Smart Ideas, Smarter Nation



Programme Curriculum

MODULE 5: Artificial Intelligence for Fraud, Risk Detection & Compliance

Purpose: To highlight how AI strengthens fraud prevention, transaction monitoring, and compliance systems while supporting regulatory transparency and trust.

Topics covered includes

- Fraud detection using anomaly detection techniques
- AI-powered AML transaction monitoring
- Compliance automation and regulatory reporting tools
- Explainable AI in governance and audit readiness
- Limitations and risks of AI in compliance contexts
- Building responsible AI governance frameworks

Programme Highlights



In-person session

Engage directly with AI industry experts in an interactive, face-to-face learning environment designed to provide practical insights into the latest advancements in AI and their real-world applications in business.



Cutting-edge content

Learn through a practice-oriented curriculum developed by MAICOE, integrating real industry case studies and insights from HRD Corp Accredited Trainers to deliver relevant, impactful, and experience-driven learning.



Capstone project

Develop a practical AI strategy and implementation roadmap that aligns with your organisation's goals, governance requirements, and long-term strategic vision.



Certificate of completion

Distinguish yourself with a certificate from MAICOE, an HRD Corp Registered Training Provider, delivered by Accredited Trainers and recognised for industry-relevant, future-focused executive education.



MaiCoE
Malaysia AI
Centre of Excellence
Smart Ideas, Smarter Nation



Accredited Trainers



Professor Ts. Dr. Rayner Alfred is an HRD Corp Accredited Trainer, and AI expert specialising (World Top 2% Scientist) in applied artificial intelligence, data analytics, and intelligent decision-support systems. With extensive experience leading research and industry collaborations in Malaysia and worldwide, he focuses on responsible AI adoption for strategic and high-impact applications.

His work spans AI governance, risk management, and technology-driven innovation, supporting organisations in navigating compliance requirements while creating measurable business value. Prof. Rayner has delivered executive-level programmes and advisory engagements that bridge advanced AI concepts with practical implementation, equipping finance leaders to drive ethical, transparent, and value-oriented AI transformation.



Ts. Dr. Rayner Pailus is a Professional Technologist and experienced academic with expertise in data analytics, information systems, and digital transformation. He has led applied research and industry projects focused on leveraging emerging technologies to enhance organisational performance, governance, and strategic decision-making.

With strong engagement in professional training and consultancy, he specialises in translating complex AI and digital solutions into practical frameworks aligned with regulatory and operational requirements. As a trainer, Ts. Dr. Rayner Pailus equips finance and risk leaders with actionable strategies to adopt AI responsibly, strengthen compliance oversight, and unlock sustainable value through technology-driven innovation.



MaiCoE
Malaysia AI
Centre of Excellence
Smart Ideas, Smarter Nation



MAICOE Advantages

- ✓ **Practical, Industry-Driven Learning:** Programmes designed with real-world case studies and applied implementation frameworks.
- ✓ **Executive-Focused Professional Development:** Specialised training for senior leaders to drive transformation and measurable outcomes.
- ✓ **HRD Corp Registered Training Provider:** Recognised for delivering claimable, high-impact workforce development programmes.
- ✓ **Accredited Trainers & Industry Experts:** Led by certified professionals with deep expertise in AI, finance, risk, and governance.
- ✓ **Trusted Partner for Future Skills Upskilling:** Committed to empowering organisations with AI-ready talent and strategic capabilities.
- ✓ **Verified Digital Certificates:** Upon completion of the program, participants will be awarded a verified digital certificate of participation by Malaysia AI Centre of Excellence training program.



✓ **Program Details:**
14 Hours (2-days)

✓ **Program Fee:**
RM4500.00



+6010-948-9696 / +6012-438-9838



<https://maicoe.org/training-and-certifications>