

Course No. 1792

AI & Automation in Asset Management

INVESTMENT & ASSET MANAGEMENT
FINANCE, INVESTMENT & BANKING

DURATION

5 Days

DELIVERY

Classroom



Course Overview

AI & Automation in Asset Management is a professional training course designed to equip asset management professionals, investment leaders, and financial decision-makers with practical knowledge of how artificial intelligence and intelligent automation can transform asset management activities. The programme focuses on applying AI to improve investment processes, operational efficiency, portfolio monitoring, risk management, client service, and data-driven decision-making.

The course examines the application of artificial intelligence, machine learning, predictive analytics, intelligent automation, and generative AI across the asset management lifecycle. Participants will explore how these technologies can support investment research, portfolio analysis, asset allocation, performance measurement, reporting, operational workflows, and risk monitoring while maintaining appropriate human oversight.

A key focus is placed on identifying processes that can be automated, evaluating the business value of AI use cases, and designing practical workflows that combine technology with professional expertise. Participants will also examine the risks associated with automated investment processes, including data quality, model risk, inaccurate outputs, cybersecurity, confidentiality, algorithmic bias, and inadequate human supervision.

Through practical exercises, case studies, and implementation workshops, participants will develop an actionable framework for integrating AI and automation into asset management. The programme is particularly relevant to banks, investment firms, asset managers, institutional investors, sovereign investment organizations, insurance companies, government investment entities, and large corporations seeking to enhance asset management performance and operational resilience.

Objectives

- Analyze the role of artificial intelligence and automation in transforming modern asset management.
- Evaluate AI and automation applications across investment research, portfolio management, operations, reporting, and risk management.
- Assess asset management processes to identify high-value opportunities for intelligent automation.

- Apply AI-supported techniques to portfolio monitoring, investment analysis, performance evaluation, and financial reporting.
- Develop approaches for using predictive analytics to identify trends, risks, and emerging portfolio signals.
- Evaluate AI-generated investment and asset management outputs using professional judgment and appropriate validation.
- Design automated workflows that improve efficiency while maintaining financial controls and human oversight.
- Assess data quality, model risk, cybersecurity, confidentiality, and governance risks associated with AI-enabled asset management.
- Strengthen the integration of AI-generated insights into investment and asset management decision-making.
- Develop an implementation roadmap for responsible AI and automation adoption within asset management functions.

Who Should Attend

This course is designed for Asset Management Directors, Asset Managers, Portfolio Managers, Investment Managers, Chief Investment Officers, Investment Analysts, Financial Analysts, Wealth Management professionals, Treasury professionals, and professionals involved in institutional investment and portfolio administration.

It is also suitable for executives and managers responsible for investment operations, financial transformation, digital transformation, data analytics, risk management, compliance, internal controls, and technology-enabled financial services. Professionals working within banks, investment companies, asset management firms, insurance organizations, sovereign wealth organizations, government investment entities, and large corporations will benefit from the programme.

The course is particularly relevant to decision-makers evaluating AI and automation initiatives within asset management and professionals seeking to improve investment intelligence, operational efficiency, portfolio oversight, and risk management through responsible technology adoption.

Learning Outcomes

- Identify practical AI and automation opportunities across the asset management lifecycle.
- Evaluate asset management processes according to automation potential, business value, complexity, and risk.
- Apply AI-supported techniques to investment research, portfolio analysis, and asset monitoring.
- Use predictive analytics to support portfolio performance analysis and risk identification.
- Interpret AI-generated investment and asset management insights while recognizing model limitations and uncertainty.
- Design intelligent workflows for repetitive asset management and investment operations.
- Strengthen portfolio monitoring through automated analytics, alerts, and performance indicators.
- Evaluate AI-related data, model, cybersecurity, confidentiality, and governance risks.
- Establish appropriate human oversight and validation mechanisms for automated investment processes.
- Develop a practical AI and automation roadmap aligned with asset management objectives and organizational strategy.

Course Outline

DAY 01

Artificial Intelligence, Automation & the Future of Asset Management

- Understanding artificial intelligence, machine learning, predictive analytics, and intelligent automation
- The evolution of asset management in a data-driven and technology-enabled environment
- AI applications across the asset management lifecycle
- Identifying repetitive, data-intensive, and rules-based asset management processes
- Intelligent automation versus traditional process automation
- Opportunities and limitations of AI in asset management
- The changing role of asset managers and investment professionals

DAY 01 — CONTINUED

PRACTICAL APPLICATION

Mapping the asset management lifecycle and identifying AI opportunities

DAY 02**AI-Powered Investment Research & Portfolio Management**

- AI applications in investment research and market intelligence
- Automated analysis of financial information and investment data
- AI-supported asset evaluation and investment opportunity identification
- Predictive analytics for market and portfolio analysis
- AI applications in portfolio construction and asset allocation
- Automated portfolio monitoring and performance analysis
- Using AI to identify trends, anomalies, and emerging portfolio risks
- Combining AI-generated insights with professional investment judgment

PRACTICAL APPLICATION

Developing an AI-supported portfolio analysis framework

DAY 03**Intelligent Automation in Asset Management Operations**

- Identifying automation opportunities across asset management operations
- Intelligent processing of investment and financial data
- Automated reconciliation, reporting, documentation, and workflow management
- AI-supported management reporting and client reporting
- Automated alerts, exception management, and operational monitoring
- Improving processing efficiency, consistency, and accuracy
- Designing human-in-the-loop workflows for critical financial processes
- Measuring operational benefits and automation performance

DAY 03 — CONTINUED

PRACTICAL APPLICATION

Designing an intelligent asset management workflow

DAY 04**AI, Asset Management Risk & Governance**

- AI applications in investment and portfolio risk management
- Predictive risk monitoring and early-warning mechanisms
- Data quality and its impact on AI-enabled asset management
- Model risk, algorithmic bias, uncertainty, and inaccurate outputs
- Cybersecurity, confidentiality, and protection of investment data
- Governance and accountability for automated financial processes
- Human oversight, validation, escalation, and decision controls
- Establishing responsible AI practices within asset management

PRACTICAL APPLICATION

Conducting an AI and automation risk assessment

DAY 05**Building an AI-Enabled Asset Management Function**

- Developing an AI and automation strategy for asset management
- Prioritizing use cases according to value, feasibility, risk, and organizational readiness
- Building data, technology, governance, and workforce capabilities
- Integrating AI into investment, operational, reporting, and risk processes
- Establishing performance indicators for AI and automation initiatives
- Managing organizational change and developing AI-ready asset management teams
- Scaling successful automation and AI applications
- Continuous monitoring, optimization, and governance

DAY 05 — CONTINUED

FINAL WORKSHOP

Developing an AI & Automation in Asset Management Strategy and Implementation Roadmap

Register or Request More Information

Course page: <https://quest-training.com/courses/ai-automation-in-asset-management>

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