QUEST
Professional Center

PROFESSIONAL TRAINING COURSE

Course No. 1790

Artificial Intelligence in Accounting & Finance Training Course

DIGITAL BANKING, FINTECH & AI
FINANCE, INVESTMENT & BANKING

DURATION
5 Days

DELIVERY
Classroom

Course Overview

Artificial Intelligence in Accounting & Finance is a professional training course designed to equip accounting and finance professionals with the knowledge and practical capabilities required to understand and apply artificial intelligence across modern financial functions. As organizations increasingly adopt AI, automation, advanced analytics, and intelligent financial systems, finance professionals need to understand how these technologies can enhance financial analysis, reporting, forecasting, controls, and decision-making.

The course explores how artificial intelligence can transform core accounting and finance activities, including financial reporting, accounts payable and receivable, reconciliations, budgeting, forecasting, financial analysis, fraud detection, risk assessment, audit support, and management reporting. Participants will examine practical AI applications while maintaining appropriate professional judgment, financial controls, data quality, confidentiality, and governance.

Particular emphasis is placed on using AI to improve efficiency, accuracy, insight generation, and decision support without compromising accounting principles, internal controls, regulatory requirements, or organizational accountability. Participants will learn how to evaluate AI-generated outputs, identify limitations and risks, and determine where human review and professional judgment remain essential.

Through practical exercises, financial scenarios, case studies, and implementation discussions, participants will develop a structured approach to identifying AI opportunities within accounting and finance. The programme supports organizations seeking to modernize finance operations, strengthen financial intelligence, improve reporting processes, and build responsible AI capabilities within their finance functions.

Objectives

- Analyze the strategic role of artificial intelligence in transforming accounting and finance functions by the end of the course.
- Evaluate key AI applications across financial reporting, accounting operations, financial analysis, budgeting, forecasting, and control activities.
- Assess accounting and financial processes to identify suitable opportunities for intelligent automation and AI-enabled improvement.

- Apply AI-supported techniques to improve financial data analysis, interpretation, and management reporting.
- Develop practical approaches for using AI in budgeting, forecasting, scenario analysis, and financial planning.
- Evaluate AI-generated financial insights and outputs using appropriate professional judgment, validation, and control mechanisms.
- Assess the risks associated with AI adoption, including data quality, confidentiality, bias, inaccurate outputs, and inappropriate automation.
- Design appropriate human oversight and internal control practices for AI-enabled accounting and finance processes.
- Apply AI concepts to fraud detection, anomaly identification, financial risk analysis, and control monitoring.
- Develop an implementation roadmap for responsible and value-focused AI adoption within the finance function.

Who Should Attend

This course is designed for Chief Financial Officers, Finance Directors, Financial Controllers, Accounting Managers, Finance Managers, Chief Accountants, Management Accountants, Financial Planning and Analysis professionals, Treasury professionals, Internal Audit professionals, and financial reporting specialists. It is also suitable for professionals responsible for budgeting, forecasting, cost management, financial analysis, accounts payable, accounts receivable, and financial operations.

The programme is particularly relevant to finance transformation leaders, digital transformation professionals, data and analytics specialists working with finance teams, internal control professionals, risk and compliance specialists, and senior executives responsible for financial performance and technology-enabled transformation. It is suitable for professionals in government entities, ministries, banks, financial institutions, oil and gas organizations, multinational corporations, and large enterprises seeking to understand the strategic and operational implications of artificial intelligence in accounting and finance.

Learning Outcomes

- Identify high-value opportunities for applying artificial intelligence across accounting and finance processes.
- Map existing financial processes and determine where AI and intelligent automation can improve efficiency and accuracy.
- Interpret AI-supported financial analysis and distinguish useful insights from unreliable or incomplete outputs.
- Use AI-enabled approaches to support budgeting, forecasting, scenario analysis, and financial planning.
- Apply AI concepts to financial reporting, reconciliation, transaction processing, and management reporting.
- Identify unusual transactions, anomalies, and potential indicators of financial risk using AI-supported analytical approaches.
- Evaluate the quality, reliability, and limitations of AI-generated financial information before using it for decision-making.
- Establish appropriate human oversight, validation, and internal controls for AI-enabled finance processes.
- Assess data privacy, confidentiality, governance, and ethical considerations associated with financial AI applications.
- Develop a practical AI adoption roadmap aligned with finance strategy, organizational priorities, risk requirements, and measurable business outcomes.

Course Outline

DAY 01

Artificial Intelligence and the Future of Accounting & Finance

- Understanding artificial intelligence, machine learning, generative AI, and intelligent automation in the finance context
- The evolution of the finance function from transaction processing to strategic financial intelligence
- AI applications across accounting, financial management, reporting, and financial operations
- Identifying repetitive, data-intensive, and judgment-supported processes suitable for AI

DAY 01 — CONTINUED

- The changing role of accountants, financial analysts, controllers, and finance leaders
- Opportunities and limitations of AI in professional accounting and financial decision-making

PRACTICAL APPLICATION

Mapping finance processes and identifying priority AI opportunities

DAY 02

AI Applications in Accounting, Reporting & Financial Operations

- AI in accounts payable, accounts receivable, invoice processing, and transaction classification
- Intelligent reconciliation and exception management
- AI-supported financial reporting and management reporting
- Automated data extraction, classification, and validation
- Using AI to identify anomalies, inconsistencies, and unusual financial transactions
- AI applications in closing processes and financial data management
- Improving accounting efficiency while maintaining appropriate controls and professional review

PRACTICAL APPLICATION

Designing an AI-enabled accounting process improvement scenario

DAY 03

AI-Powered Financial Analysis, Forecasting & Decision Support

- Artificial intelligence for financial analysis and management insight
- AI-supported budgeting and financial planning
- Forecasting revenue, costs, cash flows, and financial performance
- Scenario analysis and AI-supported financial modeling
- Identifying trends, patterns, relationships, and emerging financial signals

DAY 03 — CONTINUED

- Using AI to support management reporting and executive decision-making
- Evaluating predictive outputs, assumptions, uncertainty, and model limitations
- Combining AI-generated insights with professional financial judgment

> **PRACTICAL APPLICATION**
>
> Developing an AI-supported financial forecasting and scenario analysis exercise

DAY 04

AI, Financial Risk, Fraud Detection & Governance

- AI applications in fraud detection and financial anomaly identification
- Using data analytics and AI to strengthen financial controls
- AI-supported risk assessment and continuous control monitoring
- Data quality and its impact on AI-generated financial outputs
- Confidentiality, privacy, cybersecurity, and responsible use of financial data
- Bias, explainability, accountability, and human oversight in financial AI
- Managing the risks of inaccurate, misleading, or inappropriate AI-generated information
- Integrating AI governance with existing financial controls and risk management frameworks

> **PRACTICAL APPLICATION**
>
> Evaluating an AI-based financial risk and control scenario

DAY 05

Building an AI-Enabled Finance Function

- Developing an artificial intelligence strategy for accounting and finance
- Prioritizing AI use cases based on business value, feasibility, risk, and organizational readiness
- Building the finance capabilities required for successful AI adoption
- Defining roles, responsibilities, governance, and human oversight
- Establishing performance measures for AI-enabled finance initiatives

DAY 05 — CONTINUED

- Managing organizational change and developing AI-ready finance professionals
- Scaling successful AI applications across accounting and financial management
- Developing an implementation roadmap for responsible AI adoption

FINAL WORKSHOP

Developing an Artificial Intelligence in Accounting & Finance implementation roadmap and action plan

Register or Request More Information

Course page: https://quest-training.com/courses/artificial-intelligence-in-accounting-finance-training-course
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