Artificial Intelligence in Internal Audit and Risk Management

Cairo (Egypt)

21 - 25 November 2026

Artificial Intelligence in Internal Audit and Risk Management

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Introduction

With the rapid advancement of digital technologies and artificial intelligence AI applications, organizations are increasingly relying on intelligent solutions to enhance the efficiency of their auditing processes and improve their risk management capabilities. AI provides advanced tools for analyzing large datasets, detecting unusual patterns, and predicting potential risks, thereby supporting internal audit operations and strengthening corporate governance and compliance.

This course aims to introduce participants to AI concepts and practical applications in internal auditing and risk management, focusing on how modern technologies can be leveraged to improve audit efficiency and enhance an organization’s ability to detect and manage risks effectively.

Course Objectives

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

- Understand the fundamental concepts of artificial intelligence and its applications in business environments.
- Recognize the role of AI in developing and enhancing internal audit functions.
- Apply advanced data analytics techniques for risk assessment.
- Identify fraud and abnormal activities using intelligent technologies.
- Improve the efficiency of risk management processes through predictive analytics.
- Support corporate governance and compliance through AI applications.

Course Outlines

Day 1: Fundamentals of AI and Risk Management

- Concept of artificial intelligence and its evolution in modern organizations.
- Introduction to machine learning techniques and data analytics.
- The role of AI in digital transformation initiatives.
- The relationship between AI and corporate risk management.
- Practical examples of AI applications in business environments.

Day 2: AI in Internal Audit

- Role of intelligent technologies in developing internal audit processes.
- Using data analytics to examine financial and operational activities.
- Detecting fraud and irregularities through AI.
- Automating audit procedures and improving control efficiency.
- Case studies on modern technology applications in internal auditing.

Day 3: Risk Analysis Using AI

- Methods of risk analysis using intelligent technologies.
- Utilizing predictive models to identify potential risks.
- Analyzing big data to support risk management decisions.
- Developing early-warning systems for emerging risks.
- Integrating AI with corporate risk management frameworks.

Day 4: Tools and Practical Applications

- Overview of AI tools used in internal auditing.
- Using advanced analytics for process monitoring.
- Preparing analytical reports and dashboards.
- Integrating AI with enterprise information systems.
- Practical exercises for data analysis and risk assessment.

Day 5: Governance and Future Challenges

- Ethical and regulatory aspects of AI usage.
- Managing risks associated with intelligent technologies.
- The role of AI in enhancing transparency and corporate governance.
- Building a corporate strategy for AI adoption.
- Discussion of best practices and future trends in AI applications.

Why Attend This Course: Wins & Losses!

- Gain a comprehensive understanding of AI principles and practical applications in internal audit and risk management.
- Develop skills in data analysis and proactive risk detection.
- Improve the efficiency of internal audit processes and quality of corporate controls.
- Learn global best practices for integrating AI with governance processes.
- Increase ability to make data-driven strategic decisions.
- Enhance transparency and organizational compliance.
- Design early-warning systems and monitor emerging risks.
- Stay updated on future challenges and modern trends in AI for business environments.

Conclusion

This course provides a unique opportunity to enhance internal audit and risk management skills using artificial intelligence. Participants will learn to improve data analysis, detect risks proactively, strengthen corporate controls and governance, and prepare for future digital challenges efficiently and professionally.

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