

Course No. 1200

Responsible AI Training Course

AI GOVERNANCE, ETHICS & RISK
ARTIFICIAL INTELLIGENCE & APPLICATIONS

DURATION

5 Days

LOCATION

Muscat, Oman

DELIVERY

Classroom

DATES

21 – 25 Sept 2026



Scheduled Event Details

CITY	Muscat, Oman
DATE	21 – 25 Sept 2026
DELIVERY TYPE	Classroom
COURSE FEE	€6,300

Course Overview

The Responsible AI Training Course is a comprehensive professional development program designed to equip executives, managers, AI leaders, data scientists, machine learning engineers, governance professionals, compliance officers, risk managers, cybersecurity specialists, legal advisors, and technology professionals with the knowledge and practical skills required to design, implement, and manage Artificial Intelligence systems responsibly. As AI adoption accelerates across every industry, organizations must ensure that AI solutions are ethical, transparent, fair, accountable, secure, and compliant with applicable regulations. This course provides a practical framework for embedding Responsible AI principles throughout the entire AI lifecycle while balancing innovation, operational performance, and organizational trust.

Government entities, ministries, public sector organizations, banks and financial institutions, oil and gas companies, healthcare providers, manufacturing organizations, telecommunications companies, transportation authorities, educational institutions, and multinational corporations increasingly rely on Artificial Intelligence to automate operations, improve decision-making, optimize resources, strengthen customer services, and accelerate digital transformation. However, without effective governance and responsible implementation, AI systems may introduce risks related to algorithmic bias, privacy violations, lack of transparency, cybersecurity threats, regulatory non-compliance, and reputational damage. Responsible AI enables organizations to maximize the benefits of AI while minimizing legal, ethical, operational, and strategic risks.

This course explores the complete Responsible AI lifecycle, including ethical AI principles, fairness, transparency, explainability, accountability, AI governance, AI risk management, privacy protection, cybersecurity, data governance, regulatory compliance, model lifecycle management, human oversight, continuous monitoring, performance measurement, and organizational implementation strategies. Participants will examine internationally recognized Responsible AI frameworks and industry best practices while learning practical methods for integrating responsible AI principles into enterprise AI projects and governance structures.

The Responsible AI Training Course combines strategic insight with hands-on learning through interactive workshops, enterprise case studies, governance assessments, and practical implementation exercises. By the end of the course, participants will be able to establish Responsible AI policies, manage AI-related risks, improve stakeholder trust, ensure regulatory compliance, strengthen AI governance, and build sustainable AI programs that support innovation while protecting organizational reputation and long-term business value.

Objectives

- Analyze the principles, frameworks, and organizational importance of Responsible AI.
- Develop Responsible AI strategies aligned with business objectives and governance requirements.
- Evaluate ethical, legal, operational, technical, and security risks associated with Artificial Intelligence.
- Apply fairness, transparency, explainability, accountability, and human oversight principles throughout the AI lifecycle.
- Design Responsible AI policies, governance structures, and organizational controls.
- Improve AI trustworthiness through ethical decision-making and continuous monitoring.
- Strengthen AI governance, cybersecurity, privacy protection, data governance, and regulatory compliance capabilities.
- Implement governance mechanisms for monitoring, auditing, and improving AI systems.
- Assess organizational Responsible AI maturity and identify improvement opportunities.
- Align Responsible AI initiatives with digital transformation, innovation, enterprise risk management, and corporate governance strategies.

Who Should Attend

This course is designed for executives, board members, chief digital officers, chief information officers, chief data officers, AI leaders, governance professionals, compliance officers, legal advisors, cybersecurity managers, risk managers, audit professionals, innovation managers, data scientists, machine learning engineers, software developers, enterprise architects, consultants, and decision-makers responsible for Artificial Intelligence implementation and governance.

The program is particularly valuable for professionals working in government entities, ministries, public sector organizations, banks and financial institutions, oil and gas companies, healthcare organizations, manufacturing companies, telecommunications providers, transportation authorities, educational institutions, consulting firms, regulatory agencies, and multinational corporations implementing enterprise Artificial Intelligence solutions.

Professionals responsible for AI strategy, governance, enterprise risk management, compliance, cybersecurity, privacy, data governance, internal audit, digital transformation, innovation management, legal affairs, and organizational policy development will benefit from the practical methodologies presented throughout the course.

Learning Outcomes

- By the end of this course, participants will be able to:
- Explain the principles and business value of Responsible AI.
- Develop Responsible AI frameworks aligned with organizational objectives.
- Identify and assess ethical, legal, operational, technical, and security risks associated with AI systems.
- Design policies and governance mechanisms that promote fairness, transparency, accountability, and explainability.
- Implement AI governance practices that ensure privacy protection, cybersecurity, regulatory compliance, and responsible decision-making.
- Monitor AI systems using governance metrics, auditing processes, and continuous performance evaluation.
- Integrate Responsible AI principles into enterprise AI development and deployment lifecycles.
- Build governance operating models that strengthen stakeholder trust and organizational accountability.
- Promote an organizational culture that supports ethical and responsible AI innovation.
- Develop enterprise implementation roadmaps for sustainable Responsible AI adoption.

Course Outline

DAY 01

Foundations of Responsible AI

- Introduction to Responsible AI
- Ethical principles and business value of Responsible AI
- Fairness, transparency, accountability, and explainability
- Responsible AI throughout the AI lifecycle

PRACTICAL WORKSHOP ON EVALUATING RESPONSIBLE AI MATURITY

DAY 02

AI Ethics, Risk Management, and Compliance

- AI ethics and organizational responsibility
- Algorithmic bias identification and mitigation
- AI risk management methodologies
- Privacy, legal, and regulatory compliance

PRACTICAL EXERCISE ON RESPONSIBLE AI RISK ASSESSMENT

DAY 03

Governance and Enterprise Implementation

- Responsible AI governance frameworks
- Explainable AI and trustworthy AI systems
- Data governance and human oversight
- Policies, standards, and organizational accountability

WORKSHOP ON DESIGNING RESPONSIBLE AI GOVERNANCE FRAMEWORKS

DAY 04

Monitoring, Security, and Continuous Improvement

- AI monitoring and performance management
- AI auditing and governance reporting
- Cybersecurity considerations for AI systems
- Continuous improvement and lifecycle management

PRACTICAL WORKSHOP ON IMPLEMENTING RESPONSIBLE AI CONTROLS**DAY 05**

Building an Enterprise Responsible AI Strategy

- Future trends in Responsible AI and global regulatory developments
- International best practices for Responsible AI implementation
- Organizational change management for responsible AI adoption
- Integrating Responsible AI into digital transformation and innovation strategies

FINAL WORKSHOP

Final workshop involving the development of a comprehensive enterprise Responsible AI strategy integrating ethical AI, fairness, transparency, explainability, accountability, AI governance, enterprise risk management, privacy protection, cybersecurity, data governance, regulatory compliance, human oversight, model lifecycle management, performance measurement, audit readiness, continuous improvement, and organizational implementation planning to ensure trustworthy, secure, sustainable, and value-driven Artificial Intelligence across the enterprise.

Register or Request More Information

Course page: <https://quest-training.com/courses/responsible-ai-training-course>

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