

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 23894 — AI Guidance on Risk Management

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference IIT-AII-23894 • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-AII-23894
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 AI Risk Frameworks and Standards 5 chapters · 30 classes 105 marks • 1 Fundamentals of AI Risk Management — 6 classes › 1.1 Define Key Concepts in AI Risk Management › 1.2 Identify Common AI Risks and Challenges › 1.3 Explore ISO 23894 Standards Related to AI Risk › 1.4 Analyze Risk Assessment Methodologies for AI › 1.5 Evaluate Case Studies on AI Risk Management › 1.6 Develop a Personal AI Risk Management Strategy • 2 ISO Standards and Regulatory Landscape for AI — 6 classes › 2.1 Explore the Purpose of ISO Standards in AI › 2.2 Analyze Key ISO Standards Relevant to AI › 2.3 Examine the Regulatory Landscape Impacting AI › 2.4 Identify Best Practices from ISO Standards for AI Risk Management › 2.5 Assess the Role of Compliance in AI Implementation › 2.6 Develop an Action Plan for Integrating ISO Standards in AI Projects • 3 Risk Assessment Methodologies in AI Projects — 6 classes › 3.1 Identify Key Components of Risk Assessment in AI › 3.2 Analyze Different Risk Assessment Methodologies for AI Projects › 3.3 Evaluate the Effectiveness of Qualitative Risk Assessment Techniques › 3.4 Implement Quantitative Risk Assessment Models in AI Scenarios › 3.5 Develop a Risk Assessment Matrix Tailored for AI Applications › 3.6 Create an Action Plan for Mitigating Identified AI Risks • 4 Implementing AI Risk Frameworks in Organizations — 6 classes › 4.1 Identify Key Components of AI Risk Frameworks › 4.2 Analyze Existing Risk Management Standards › 4.3 Assess Organizational Readiness for AI Implementation › 4.4 Develop a Tailored AI Risk Management Plan › 4.5 Integrate Stakeholder Responsibilities in AI Risk Governance › 4.6 Evaluate and Monitor AI Risk Management Effectiveness • 5 Evaluation and Continuous Improvement of AI Risk Strategies — 6 classes › 5.1 Assess Current AI Risk Strategies for Effectiveness › 5.2 Identify Key Performance Indicators for AI Risk Management › 5.3 Analyze Feedback Mechanisms for AI Risk Evaluation › 5.4 Implement Continuous Improvement Processes for AI Risks › 5.5 Engage Stakeholders in Evaluating AI Risk Strategies › 5.6 Develop Action Plans for Enhancing AI Risk Mitigation	2 Case Studies and Practical Applications 5 chapters 45 marks • 1 Understanding Risk Management in AI Applications • 2 Frameworks for Risk Assessment in AI Systems • 3 Real-World Case Studies of AI Risk Management • 4 Evaluating the Impact of AI Risk Mitigation Strategies • 5 Future Trends and Challenges in AI Risk Management
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• **1 Foundations of Ethics in Artificial Intelligence** — 6 classes

- › 1.1 Define Core Ethical Principles in AI
- › 1.2 Identify Key Stakeholders in AI Ethics
- › 1.3 Analyze Ethical Dilemmas in AI Applications
- › 1.4 Discuss the Importance of Transparency in AI Systems
- › 1.5 Evaluate Compliance Standards Relating to AI Ethics
- › 1.6 Create a Risk Management Strategy for Ethical AI Implementation

• **2 Regulatory Frameworks for AI Compliance** — 6 classes

- › 2.1 Explore Key Regulatory Bodies for AI Compliance
- › 2.2 Identify Major Regulations Affecting AI Development
- › 2.3 Analyze Ethical Principles in AI Regulation
- › 2.4 Examine Case Studies of Compliance Failures in AI
- › 2.5 Develop a Compliance Checklist for AI Projects
- › 2.6 Implement Best Practices for Navigating AI Regulations

• **3 Ethical AI Design: Practices and Principles** — 6 classes

- › 3.1 Define Ethical Principles in AI Design
- › 3.2 Identify Common Ethical Issues in AI Applications
- › 3.3 Explore the Role of Transparency in AI Systems
- › 3.4 Assess the Impact of Bias in AI Algorithms
- › 3.5 Implement Best Practices for Ethical AI Development
- › 3.6 Evaluate Case Studies of Ethical and Unethical AI Practices

• **4 Risk Assessment and Management in AI Deployments** — 6 classes

- › 4.1 Identify Key Risks in AI Deployments
- › 4.2 Evaluate Ethical Implications of AI Technologies
- › 4.3 Assess Compliance with Regulatory Standards
- › 4.4 Develop a Risk Mitigation Strategy for AI Projects
- › 4.5 Implement Monitoring Mechanisms for AI Risks
- › 4.6 Review and Adapt Risk Management Practices in AI

• **5 Case Studies in AI Ethics and Compliance** — 6 classes

- › 5.1 Examine Ethical Dilemmas in AI Case Studies
- › 5.2 Analyze Compliance Failures in AI Implementations
- › 5.3 Identify Key Ethical Principles from Real-World Scenarios
- › 5.4 Assess the Impact of AI Decisions on Stakeholders
- › 5.5 Develop Strategies for Ethical AI Implementation
- › 5.6 Propose Solutions to Enhancing Compliance in AI Systems

• **1 Understanding AI Risk Management Frameworks** — 6 classes

- › 1.1 Define AI Risk Management Frameworks
- › 1.2 Identify Key Components of AI Risk Management
- › 1.3 Analyze the Role of Leadership in AI Risk Management
- › 1.4 Explore Common AI Risks and Their Implications
- › 1.5 Evaluate Case Studies on AI Risk Management Implementation
- › 1.6 Develop an Action Plan for Effective AI Risk Management

• **2 Identifying and Analyzing AI-Related Risks** — 6 classes

- › 2.1 Define Key Concepts in AI Risk Management
- › 2.2 Identify Common AI-Related Risks in Organizations
- › 2.3 Analyze the Impact of AI Risks on Stakeholders
- › 2.4 Conduct a Risk Assessment for AI Projects
- › 2.5 Evaluate Risk Mitigation Strategies for AI Implementations
- › 2.6 Develop a Risk Management Plan for AI Systems

• **3 Developing Leadership Strategies for AI Risk Mitigation** — 6 classes

- › 3.1 Analyze Key Risks Associated with AI Implementation
- › 3.2 Identify Essential Leadership Qualities for Effective Risk Management
- › 3.3 Develop a Risk Mitigation Framework for AI Projects
- › 3.4 Foster a Culture of Risk Awareness in AI Teams
- › 3.5 Design a Communication Strategy for Risk Management in AI
- › 3.6 Evaluate Leadership Strategies Through Case Study Analysis

• **4 Integrating Ethical Considerations in AI Risk Management** — 6 classes

- › 4.1 Define Ethical Considerations in AI Risk Management
- › 4.2 Identify Key Ethical Frameworks Relevant to AI
- › 4.3 Analyze Case Studies on Ethical AI Implementation
- › 4.4 Assess Stakeholder Perspectives on AI Risks
- › 4.5 Develop Strategies for Ethical AI Governance
- › 4.6 Create a Risk Management Plan Incorporating Ethical Guidelines

• **5 Measuring and Communicating AI Risk Outcomes** — 6 classes

- › 5.1 Define AI Risk Metrics for Effective Measurement
- › 5.2 Identify Key Stakeholders in AI Risk Communication
- › 5.3 Develop a Framework for Reporting AI Risk Outcomes
- › 5.4 Illustrate AI Risk Scenarios through Case Studies
- › 5.5 Create Visual Tools for Communicating AI Risk Information
- › 5.6 Evaluate the Effectiveness of AI Risk Communication Strategies

• 1 Understanding AI Risks: Types and Categories — 6 classes

- › 1.1 Identify Key Types of AI Risks
- › 1.2 Classify AI Risks into Categories
- › 1.3 Analyze Real-World Examples of AI Risks
- › 1.4 Explore Regulatory Frameworks Influencing AI Risks
- › 1.5 Assess the Impact of AI Risks on Business Operations
- › 1.6 Develop Basic Mitigation Strategies for Identified AI Risks

• 2 Frameworks for Risk Assessment in AI Implementation — 6 classes

- › 2.1 Identify Key Risk Factors in AI Implementation
- › 2.2 Analyze Current Risk Assessment Frameworks for AI
- › 2.3 Evaluate the Effectiveness of Risk Mitigation Strategies
- › 2.4 Develop a Custom Risk Assessment Framework for AI
- › 2.5 Implement Risk Monitoring Techniques in AI Projects
- › 2.6 Review and Adapt Risk Management Practices for Continuous Improvement

• 3 Developing Mitigation Strategies for Identified Risks — 6 classes

- › 3.1 Identify and Assess AI Risks in Organizational Context
- › 3.2 Prioritize AI Risks Based on Impact and Likelihood
- › 3.3 Develop Tailored Mitigation Strategies for High-Priority Risks
- › 3.4 Implementing Mitigation Strategies: Tools and Techniques
- › 3.5 Monitor and Evaluate the Effectiveness of Mitigation Strategies
- › 3.6 Communicate Risk Management Plans to Stakeholders

• 4 Monitoring and Reviewing AI Risk Mitigation Efforts — 6 classes

- › 4.1 Define Key Performance Indicators for AI Risk Mitigation
- › 4.2 Establish a Monitoring Framework for AI Systems
- › 4.3 Conduct Regular Data Analytics to Assess AI Performance
- › 4.4 Implement Stakeholder Feedback Mechanisms for Continuous Improvement
- › 4.5 Review and Update Risk Mitigation Strategies Based on Findings
- › 4.6 Develop a Reporting Protocol for AI Risk Management Outcomes

• 5 Case Studies: Successful Risk Mitigation in AI — 6 classes

- › 5.1 Analyze Successful AI Risk Mitigation Case Studies
- › 5.2 Identify Key Elements of Effective Mitigation Strategies
- › 5.3 Evaluate Risk Management Frameworks Utilized in Case Studies
- › 5.4 Discuss the Role of Leadership in Risk Mitigation
- › 5.5 Develop a Mitigation Plan Based on Case Study Insights
- › 5.6 Present a Risk Mitigation Strategy to the Class

• 1 Fundamentals of Risk Assessment in AI Systems — 6 classes

- › 1.1 Define Key Concepts in Risk Assessment for AI Systems
- › 1.2 Identify Common Risks Associated with AI Implementations
- › 1.3 Evaluate Risk Assessment Frameworks Applicable to AI
- › 1.4 Analyze Case Studies of Risk Failures in AI
- › 1.5 Develop a Basic Risk Assessment Plan for an AI Project
- › 1.6 Create a Communication Strategy for Risk Findings in AI Systems

• 2 Identifying and Classifying AI Risks — 6 classes

- › 2.1 Define AI Risks: Recognizing Potential Hazards in AI Systems
- › 2.2 Categorize AI Risks: Classifying Risks into Operational, Technical, and Ethical Groups
- › 2.3 Analyze the Impact: Assessing the Consequences of AI Risks on Stakeholders
- › 2.4 Evaluate Likelihood: Determining the Probability of AI Risks Occurring
- › 2.5 Prioritize Risks: Ranking AI Risks Based on Impact and Likelihood
- › 2.6 Develop Mitigation Strategies: Creating Action Plans to Address Identified AI Risks

• 3 Risk Analysis Techniques for Artificial Intelligence — 6 classes

- › 3.1 Identify Key AI Risk Factors in Projects
- › 3.2 Analyze Risk Scenarios in AI Applications
- › 3.3 Evaluate Data Quality and Its Impact on AI Risks
- › 3.4 Assess Ethical Implications of AI Decision-Making
- › 3.5 Apply Quantitative Techniques to Measure AI Risks
- › 3.6 Develop a Risk Mitigation Plan for AI Systems

• 4 Developing Mitigation Strategies for AI Risks — 6 classes

- › 4.1 Identify Key AI Risks in Operational Contexts
- › 4.2 Analyze Vulnerabilities in AI Systems
- › 4.3 Evaluate Stakeholder Impact on AI Risk Scenarios
- › 4.4 Develop Customized Mitigation Strategies for Identified Risks
- › 4.5 Implement Monitoring Mechanisms for AI Risk Mitigation
- › 4.6 Review and Adapt Mitigation Strategies Based on Feedback

• 5 Monitoring and Reviewing AI Risk Management Practices — 6 classes

- › 5.1 Analyze Current AI Risk Management Practices
- › 5.2 Identify Key Performance Indicators for Risk Monitoring
- › 5.3 Implement Feedback Loops for Continuous Improvement
- › 5.4 Conduct Regular Audits of AI Risk Management Protocols
- › 5.5 Evaluate the Effectiveness of Risk Mitigation Strategies
- › 5.6 Develop Action Plans for Addressing Identified Risks