

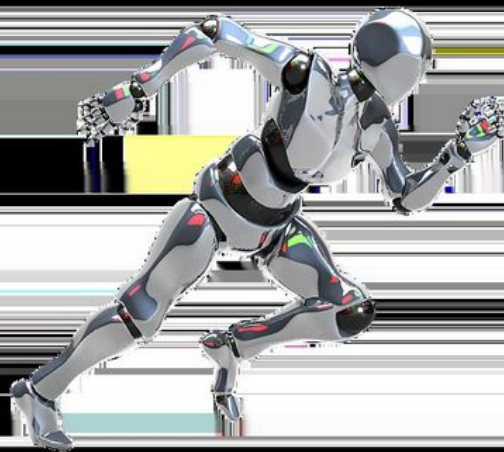
LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 42001 — Artificial Intelligence Management System

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference IIT-AII-42001 • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-AII-42001
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

AI Management Principles

5 chapters · 30 classes65 marks

• 1 Foundations of AI Management Principles — 6 classes

› 1.1 Define the Core Principles of AI Management

› 1.2 Identify Key Stakeholders in AI Initiatives

› 1.3 Assess Ethical Considerations in AI Deployment

› 1.4 Analyze Regulatory Frameworks Impacting AI Management

› 1.5 Develop a Risk Management Strategy for AI Systems

› 1.6 Implement Best Practices for AI Governance

• 2 Regulatory Frameworks and Compliance in AI — 6 classes

› 2.1 Explore Key Regulatory Frameworks Impacting AI

› 2.2 Identify Compliance Requirements for AI Systems

› 2.3 Analyze Ethical Considerations in AI Regulation

› 2.4 Assess the Role of Oversight Bodies in AI Compliance

› 2.5 Implement Best Practices for AI Governance

› 2.6 Evaluate Case Studies of AI Regulatory Failures

• 3 Ethical Considerations in AI Deployment — 6 classes

› 3.1 Identify Key Ethical Principles in AI Deployment

› 3.2 Analyze Case Studies of Ethical AI Implementation

› 3.3 Evaluate the Impact of Bias in AI Systems

› 3.4 Discuss the Role of Transparency in AI Algorithms

› 3.5 Develop Guidelines for Ethical AI Use in Organizations

› 3.6 Create an Action Plan to Address Ethical Risks in AI Projects

• 4 Strategic AI Governance Models — 6 classes

› 4.1 Define Key Concepts in Strategic AI Governance

› 4.2 Identify Components of Effective AI Governance Models

› 4.3 Explore Different Governance Frameworks for AI Management

› 4.4 Analyze Case Studies of Successful AI Governance Implementation

› 4.5 Develop an AI Governance Framework for Your Organization

› 4.6 Evaluate the Impact of AI Governance on Organizational Strategy

• 5 Continuous Improvement and Risk Management in AI Systems — 6 classes

› 5.1 Assess Current AI System Performance Metrics

› 5.2 Identify Key Risks in AI Operations

› 5.3 Develop a Continuous Improvement Strategy for AI

› 5.4 Implement Risk Mitigation Strategies in AI Systems

› 5.5 Monitor and Evaluate the Effectiveness of Improvements

› 5.6 Foster a Culture of Continuous Improvement in AI Teams

• 1 Foundations of Ethical AI: Principles and Philosophies — 6 classes

- › 1.1 Define Ethical AI: Explore Core Concepts and Definitions
- › 1.2 Examine Ethical Principles: Identify and Analyze Key Philosophies
- › 1.3 Discuss Moral Frameworks: Compare Utilitarianism, Deontology, and Virtue Ethics in AI
- › 1.4 Assess Risks: Evaluate Potential Ethical Dilemmas in AI Implementation
- › 1.5 Develop Ethical Guidelines: Create a Framework for Responsible AI Use
- › 1.6 Apply Ethical Reasoning: Case Studies on AI Applications and Decision-Making

• 2 Identifying and Analyzing Risks in AI Deployment — 6 classes

- › 2.1 Define and Categorize Types of Risks in AI Deployment
- › 2.2 Examine Legal and Ethical Considerations in AI Risk Assessment
- › 2.3 Analyze Case Studies of AI Failures and Lessons Learned
- › 2.4 Identify Stakeholders and Their Roles in AI Risk Management
- › 2.5 Develop Strategies for Mitigating Risks in AI Implementation
- › 2.6 Create a Risk Management Plan for an AI Project

• 3 Legal and Regulatory Considerations in AI Ethics — 6 classes

- › 3.1 Identify Key Legal Frameworks Governing AI Ethics
- › 3.2 Analyze Ethical Implications of Data Privacy Laws
- › 3.3 Evaluate Case Studies on AI Compliance Failures
- › 3.4 Discuss the Role of Regulatory Bodies in AI Oversight
- › 3.5 Develop Guidelines for Ethical AI Implementation
- › 3.6 Create an Action Plan for Navigating AI Legal Challenges

• 4 Creating an Ethical AI Governance Framework — 6 classes

- › 4.1 Define Key Principles of Ethical AI Governance
- › 4.2 Identify Stakeholders in AI Governance Framework
- › 4.3 Assess Ethical Risks Associated with AI Applications
- › 4.4 Develop Guidelines for Responsible AI Use
- › 4.5 Create a Monitoring and Evaluation Plan for AI Ethics
- › 4.6 Implement Strategies for Stakeholder Engagement in AI Ethics

• 5 Implementing Ethical Practices in AI Projects — 6 classes

- › 5.1 Define Ethical Principles in AI Development
- › 5.2 Identify Common Ethical Dilemmas in AI Projects
- › 5.3 Analyze Stakeholder Perspectives on AI Ethics
- › 5.4 Evaluate Risk Management Strategies for Ethical Compliance
- › 5.5 Develop a Framework for Ethical Decision-Making in AI
- › 5.6 Implement Ethical Practices in a Case Study AI Project

• 1 Fundamentals of AI Governance Frameworks — 6 classes

- › 1.1 Define Key Principles of AI Governance Frameworks
- › 1.2 Explore Regulatory Requirements Surrounding AI Systems
- › 1.3 Identify Stakeholders in AI Governance
- › 1.4 Examine Risk Management Strategies for AI Implementation
- › 1.5 Develop Governance Policies for AI Operations
- › 1.6 Assess Compliance Measures in AI Governance Frameworks

• 2 Regulatory Compliance and Standards in AI — 6 classes

- › 2.1 Identify Key Regulatory Bodies in AI Governance
- › 2.2 Understand Core AI Compliance Standards
- › 2.3 Explore Legal Implications of AI Regulation
- › 2.4 Assess the Impact of Non-Compliance in AI
- › 2.5 Develop Strategies for Effective AI Compliance
- › 2.6 Evaluate Case Studies on AI Regulatory Successes and Failures

• 3 Ethical Considerations in AI Deployment — 6 classes

- › 3.1 Identify Ethical Principles in AI Governance
- › 3.2 Analyze Real-World Case Studies of AI Ethical Dilemmas
- › 3.3 Evaluate the Role of Transparency in AI Deployment
- › 3.4 Discuss the Impact of Bias on AI Decision-Making
- › 3.5 Develop Strategies for Ethical AI Implementation
- › 3.6 Create an Ethical Review Framework for AI Projects

• 4 Risk Management in AI Systems — 6 classes

- › 4.1 Identify Key Risks in AI Systems
- › 4.2 Analyze Impact of AI Risks on Stakeholders
- › 4.3 Evaluate Existing Risk Management Frameworks
- › 4.4 Develop a Risk Mitigation Strategy for AI
- › 4.5 Implement Risk Monitoring Techniques in AI Systems
- › 4.6 Review and Improve Risk Management Practices in AI

• 5 Implementing and Monitoring AI Governance Protocols — 6 classes

- › 5.1 Identify Key Components of AI Governance Protocols
- › 5.2 Assess Current Governance Practices in Your Organisation
- › 5.3 Develop AI Governance Framework Tailored to Business Needs
- › 5.4 Establish Monitoring Mechanisms for AI Governance Compliance
- › 5.5 Evaluate Effectiveness of AI Governance Protocols Regularly
- › 5.6 Communicate AI Governance Responsibilities to Stakeholders

• 1 Foundations of Leadership in AI Innovation — 6 classes

- › 1.1 Identify Key Leadership Traits for AI Innovation
- › 1.2 Explore the Role of Vision in Leading AI Teams
- › 1.3 Assess Team Dynamics in AI Innovation Projects
- › 1.4 Implement Collaborative Strategies for AI Development
- › 1.5 Cultivate a Culture of Continuous Learning in AI Teams
- › 1.6 Evaluate Leadership Approaches to Drive AI Innovation Success

• 2 Cultivating a Culture of Innovation in AI Teams — 6 classes

- › 2.1 Define Innovation: Understanding Key Concepts in AI Teams
- › 2.2 Assess Current Culture: Evaluating Innovation Practices in Your Team
- › 2.3 Foster Creativity: Techniques to Encourage Innovative Thinking
- › 2.4 Implement Agile Methodologies: Enhancing Flexibility in AI Projects
- › 2.5 Establish Collaborative Environments: Building Effective Team Dynamics
- › 2.6 Measure Innovation Success: Key Metrics for AI Team Performance

• 3 Strategic Decision-Making in AI Projects — 6 classes

- › 3.1 Define Strategic Decision-Making Frameworks in AI Projects
- › 3.2 Analyze Data-Driven Decision-Making Techniques for AI
- › 3.3 Evaluate Ethical Considerations in AI Decision-Making
- › 3.4 Develop Collaborative Decision-Making Strategies for Teams
- › 3.5 Implement Risk Management Approaches in AI Projects
- › 3.6 Create a Strategic Decision-Making Plan for an AI Initiative

• 4 Ethical Leadership and Responsible AI Development — 6 classes

- › 4.1 Define Ethical Leadership in AI Development
- › 4.2 Identify Key Principles of Responsible AI
- › 4.3 Analyze Case Studies of Ethical Dilemmas in AI
- › 4.4 Explore Frameworks for Ethical Decision-Making
- › 4.5 Develop Best Practices for Responsible AI Implementation
- › 4.6 Evaluate Leadership Strategies for Fostering Ethical AI Teams

• 5 Measuring and Sustaining Innovation Success in AI — 6 classes

- › 5.1 Define Key Metrics for Measuring Innovation Success in AI
- › 5.2 Analyze Case Studies of Successful AI Innovations
- › 5.3 Develop a Framework for Evaluating Innovation Impact
- › 5.4 Create a Sustainable Innovation Strategy for AI Projects
- › 5.5 Facilitate Team Collaboration to Enhance Innovation Outcomes
- › 5.6 Present and Critique Innovation Success Reports

• 1 Defining Performance Metrics for AI Systems — 6 classes

- › 1.1 Identify Key Performance Indicators for AI Systems
- › 1.2 Analyze the Importance of Accuracy in AI Performance Measurement
- › 1.3 Evaluate the Role of Bias and Fairness in AI Metrics
- › 1.4 Develop Quantitative Metrics for AI System Evaluation
- › 1.5 Implement Qualitative Assessment Techniques for AI Performance
- › 1.6 Create a Comprehensive Performance Evaluation Framework for AI

• 2 Data Quality and Its Impact on Performance Evaluation — 6 classes

- › 2.1 Assess Data Quality Metrics for AI Systems
- › 2.2 Identify Common Data Quality Issues in AI Performance
- › 2.3 Analyze the Relationship Between Data Quality and AI Outcomes
- › 2.4 Develop Strategies for Improving Data Quality in AI
- › 2.5 Evaluate Case Studies of Data Quality Impact on AI Performance
- › 2.6 Implement Best Practices for Data Quality Management in AI

• 3 Testing and Validation Methods for AI Models**• 4 Interpreting and Analyzing Performance Results****• 5 Continuous Monitoring and Optimization of AI Systems**

• 1 Understanding the AI Landscape for Strategic Decision-Making —

6 classes

- › 1.1 Define Key Concepts in AI for Strategic Decision-Making
- › 1.2 Identify Emerging Trends in the AI Landscape
- › 1.3 Analyze the Impact of AI Technologies on Business Strategies
- › 1.4 Assess Ethical Considerations in AI Deployment
- › 1.5 Explore Frameworks for Integrating AI into Strategic Planning
- › 1.6 Develop a Strategic Decision-Making Model Incorporating AI Insights

• 2 Analyzing Data-Driven Insights for Strategic Choices — 6 classes

- › 2.1 Identify Key Data Sources for Strategic AI Decision-Making
- › 2.2 Evaluate Data Quality and Relevance for Insights
- › 2.3 Analyze Quantitative Data for Trends and Patterns
- › 2.4 Interpret Qualitative Data to Enhance Strategic Context
- › 2.5 Develop Data-Driven Scenarios for Strategic Choices
- › 2.6 Present Data-Driven Insights to Support Leadership Decisions

• 3 Risk Assessment and Management in AI-Enabled Decisions — 6

classes

- › 3.1 Identify Key Risks in AI Decision-Making
- › 3.2 Analyze the Impact of Risks on AI Strategies
- › 3.3 Evaluate Existing Risk Management Frameworks for AI
- › 3.4 Develop a Risk Assessment Matrix for AI Projects
- › 3.5 Implement Risk Mitigation Strategies in AI Deployment
- › 3.6 Monitor and Review AI Risk Management Practices

• 4 Leveraging AI Technologies for Competitive Advantage — 6 classes

- › 4.1 Assessing Current AI Capabilities for Competitive Analysis
- › 4.2 Identifying Market Trends Driven by AI Innovations
- › 4.3 Evaluating AI Technologies for Strategic Alignment
- › 4.4 Integrating AI into Business Models for Value Creation
- › 4.5 Developing AI-Driven Strategies for Enhanced Decision-Making
- › 4.6 Measuring the Impact of AI on Competitive Advantage

• 5 Implementing and Evaluating AI Strategic Frameworks — 6 classes

- › 5.1 Identify Key Components of an AI Strategic Framework
- › 5.2 Analyze Stakeholder Needs in AI Implementation
- › 5.3 Develop Measurable Objectives for AI Strategies
- › 5.4 Formulate Action Plans for Deploying AI Solutions
- › 5.5 Evaluate AI Performance Metrics and Outcomes
- › 5.6 Integrate Feedback Mechanisms for Continuous Improvement in AI