

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 24028 — Overview of Trustworthiness in AI

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference IIT-AII-24028 • ISO IT & Related Technologies

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AT A GLANCE

REFERENCE	IIT-AII-24028
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Case Studies in Trustworthy AI Deployment 5 chapters45 marks • 1 Understanding Trustworthiness in AI: Principles and Frameworks • 2 Assessing AI Systems: Metrics for Trustworthiness • 3 Case Studies: Successful Deployment of Trustworthy AI • 4 Challenges in Maintaining AI Trustworthiness in Deployment • 5 Future Trends and Innovations in Trustworthy AI
2 Ethical and Legal Aspects of AI 5 chapters · 30 classes65 marks • 1 Foundations of Ethical Considerations in AI — 6 classes › 1.1 Define Ethical Considerations in AI › 1.2 Explore the Legal Frameworks Governing AI › 1.3 Identify Key Ethical Theories Relevant to AI › 1.4 Analyze Case Studies of Ethical AI Dilemmas › 1.5 Evaluate the Impact of Bias in AI Systems › 1.6 Develop a Personal Code of Ethics for AI Use • 2 Legal Frameworks Governing AI — 6 classes › 2.1 Explore the Key Legal Principles Governing AI › 2.2 Examine EU Regulations Impacting AI Development › 2.3 Analyze the Role of Data Protection Laws in AI › 2.4 Investigate Compliance Challenges in AI Deployment › 2.5 Discuss Ethical Implications of AI Regulations › 2.6 Apply Legal Frameworks to Real-World AI Scenarios • 3 Bias and Fairness in AI Systems — 6 classes › 3.1 Identify Sources of Bias in AI Systems › 3.2 Analyze the Impact of Bias on AI Outcomes › 3.3 Evaluate Fairness Metrics in AI Applications › 3.4 Explore Techniques for Mitigating Bias › 3.5 Discuss Legal Implications of Bias in AI › 3.6 Develop Strategies for Ensuring Fairness in AI Projects • 4 Accountability and Transparency in AI Deployment — 6 classes › 4.1 Define Accountability in AI Systems › 4.2 Explore the Importance of Transparency in AI Deployment › 4.3 Identify Key Ethical Principles Related to Accountability › 4.4 Evaluate Case Studies on AI Transparency Challenges › 4.5 Develop Strategies for Ensuring Accountability in AI Practices › 4.6 Create an Action Plan for Enhancing Transparency in AI Projects • 5 Future Trends in AI Ethics and Legislation — 6 classes › 5.1 Analyze Emerging Ethical Frameworks in AI Governance › 5.2 Examine Current Legislative Trends Impacting AI Development › 5.3 Evaluate Case Studies on AI Trustworthiness and Accountability › 5.4 Discuss the Role of Stakeholders in Shaping AI Legislation › 5.5 Identify Challenges in Implementing AI Ethical Standards › 5.6 Propose Strategies for Future Compliance in AI Ethics

• 1 Understanding Trustworthiness in AI Systems — 6 classes

- › 1.1 Define Trustworthiness in AI Systems
- › 1.2 Identify Key Dimensions of Trustworthiness
- › 1.3 Explore Ethical Considerations in AI Development
- › 1.4 Analyze Real-World Examples of Trustworthy and Untrustworthy AI
- › 1.5 Evaluate Trustworthiness Metrics and Standards
- › 1.6 Apply Trustworthiness Principles to AI Project Planning

• 2 Principles of Trustworthy AI: Ethical and Regulatory Frameworks — 6 classes

- › 2.1 Define Key Ethical Principles Governing Trustworthy AI
- › 2.2 Analyze Regulatory Frameworks for AI Governance
- › 2.3 Examine the Role of Fairness in AI Systems
- › 2.4 Assess Transparency Requirements for AI Algorithms
- › 2.5 Evaluate Accountability Mechanisms in AI Deployment
- › 2.6 Apply Ethical Guidelines to a Real-World AI Scenario

• 3 Transparency and Explainability in AI — 6 classes

- › 3.1 Define Transparency and Explainability in AI Systems
- › 3.2 Explore the Importance of Transparency in AI Decision-Making
- › 3.3 Analyze Case Studies of Explainable AI in Real-World Applications
- › 3.4 Identify Tools and Techniques for Enhancing Explainability in AI
- › 3.5 Develop Strategies for Communicating AI Decisions Transparently
- › 3.6 Evaluate the Impact of Trustworthiness on AI Adoption and Use

• 4 Accountability and Governance in AI Development — 6 classes

- › 4.1 Define Accountability in AI Development
- › 4.2 Explore Governance Frameworks for AI
- › 4.3 Identify Stakeholders in AI Accountability
- › 4.4 Analyze Case Studies of AI Governance
- › 4.5 Develop a Governance Plan for AI Projects
- › 4.6 Evaluate the Effectiveness of AI Accountability Measures

• 5 Assessing Trustworthiness: Metrics and Evaluation Methods — 6 classes

- › 5.1 Identify Key Metrics for Evaluating AI Trustworthiness
- › 5.2 Analyze Different Evaluation Methods for AI Systems
- › 5.3 Compare Quantitative and Qualitative Approaches to Trustworthiness Assessment
- › 5.4 Implement Trustworthiness Metrics in AI Projects
- › 5.5 Evaluate Real-World Case Studies of AI Trustworthiness Assessment
- › 5.6 Develop a Framework for Continuous Trustworthiness Monitoring in AI

• 1 Foundations of AI Governance Frameworks — 6 classes

- › 1.1 Define Key Terminology in AI Governance
- › 1.2 Identify Stakeholders in AI Governance Frameworks
- › 1.3 Explore Principles of Ethical AI Implementation
- › 1.4 Analyze Case Studies of AI Governance Models
- › 1.5 Evaluate the Role of Regulatory Bodies in AI Governance
- › 1.6 Develop a Framework for Assessing Trustworthiness in AI

• 2 Key Components of AI Trustworthiness — 6 classes

- › 2.1 Define Trustworthiness in AI: Exploring the Concept
- › 2.2 Identify Key Components of AI Trustworthiness Frameworks
- › 2.3 Analyze Ethical Implications in AI Governance
- › 2.4 Assess the Role of Transparency in AI Systems
- › 2.5 Evaluate Accountability Mechanisms for AI Models
- › 2.6 Implement Best Practices for Building Trustworthy AI Solutions

• 3 Regulatory Landscape for AI Governance — 6 classes

- › 3.1 Identify Key Regulations Impacting AI Governance
- › 3.2 Analyze the Role of Data Protection Laws in AI Compliance
- › 3.3 Examine International Standards for AI Governance
- › 3.4 Assess the Impact of Ethical Guidelines on AI Regulations
- › 3.5 Explore Sector-Specific Regulations Affecting AI Implementation
- › 3.6 Develop Strategies for Navigating the AI Regulatory Landscape

• 4 Risk Management in AI Systems — 6 classes

- › 4.1 Identify Key Risks in AI Systems
- › 4.2 Assess Impact and Likelihood of AI Risks
- › 4.3 Explore Risk Management Frameworks for AI
- › 4.4 Develop Mitigation Strategies for AI Risks
- › 4.5 Implement Continuous Monitoring for AI Risk Management
- › 4.6 Evaluate and Adapt AI Risk Management Practices

• 5 Implementing Effective AI Governance Practices — 6 classes

- › 5.1 Define Key Principles of AI Governance
- › 5.2 Identify Stakeholders in AI Decision-Making
- › 5.3 Assess Existing AI Governance Frameworks
- › 5.4 Develop AI Governance Policies and Procedures
- › 5.5 Implement Monitoring and Evaluation Mechanisms for AI
- › 5.6 Foster a Culture of Accountability in AI Practices

• **1 Understanding Leadership Roles in AI Initiatives** — 6 classes

- › 1.1 Define Leadership Roles in AI Initiatives
- › 1.2 Explore Key Competencies for AI Leaders
- › 1.3 Analyze the Impact of Leadership on AI Success
- › 1.4 Identify Challenges Faced by AI Leaders
- › 1.5 Develop Strategies for Effective Leadership in AI
- › 1.6 Evaluate Case Studies on Leadership in AI Initiatives

• **2 Building Trust in AI: Ethical Considerations and Frameworks** — 6 classes

- › 2.1 Define Key Ethical Principles in AI
- › 2.2 Identify Stakeholders in AI Trustworthiness
- › 2.3 Analyze Case Studies of Ethical AI Implementation
- › 2.4 Develop an Ethical Framework for AI Projects
- › 2.5 Evaluate Risks and Benefits of AI Systems
- › 2.6 Create a Trust-Building Strategy for AI Leadership

• **3 Strategic Planning for AI Implementation** — 6 classes

- › 3.1 Identify Key Components of Strategic AI Planning
- › 3.2 Assess Organizational Readiness for AI Integration
- › 3.3 Develop Measurable Objectives for AI Initiatives
- › 3.4 Analyze Stakeholder Roles in AI Strategy Development
- › 3.5 Create a Risk Management Framework for AI Projects
- › 3.6 Formulate an Implementation Roadmap for AI Solutions

• **4 Navigating Risks and Challenges in AI Leadership** — 6 classes

- › 4.1 Identify Key Risks in AI Leadership
- › 4.2 Evaluate Challenges in Implementing AI Initiatives
- › 4.3 Assess the Impact of Ethical Considerations in AI
- › 4.4 Develop Strategies for Risk Mitigation in AI Projects
- › 4.5 Create a Framework for Trustworthiness in AI Leadership
- › 4.6 Implement Action Plans to Address AI Leadership Challenges

• **5 Measuring Success and Accountability in AI Initiatives** — 6 classes

- › 5.1 Define Success Metrics for AI Initiatives
- › 5.2 Identify Key Performance Indicators (KPIs) in AI Leadership
- › 5.3 Establish Accountability Structures for AI Projects
- › 5.4 Analyze Case Studies of Successful AI Implementations
- › 5.5 Develop a Framework for Evaluating AI Outcomes
- › 5.6 Create a Reporting Strategy for AI Initiative Progress

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

- › 1.1 Identify Key Components of AI Risk Management Frameworks
- › 1.2 Analyze Historical AI Failures to Understand Risk Factors
- › 1.3 Evaluate Existing AI Risk Management Frameworks for Trustworthiness
- › 1.4 Develop Risk Assessment Criteria for AI Projects
- › 1.5 Implement Strategies for Mitigating AI Risks in Practice
- › 1.6 Create an Action Plan for Continuous Risk Monitoring in AI

• **2 Identifying and Assessing Risks in AI Projects** — 6 classes

- › 2.1 Define Key Risk Concepts in AI Projects
- › 2.2 Identify Common Risks in AI Development
- › 2.3 Assess Risk Impact and Probability in AI Contexts
- › 2.4 Evaluate Existing Risk Management Frameworks for AI
- › 2.5 Develop a Risk Assessment Matrix for AI Projects
- › 2.6 Propose Mitigation Strategies for Identified AI Risks

• **3 Developing Mitigation Strategies for AI Risks** — 6 classes

- › 3.1 Identify Key Risks in AI Projects
- › 3.2 Assess the Impact of AI Risks on Stakeholders
- › 3.3 Evaluate Current Mitigation Strategies in AI
- › 3.4 Develop Tailored Mitigation Plans for Specific Risks
- › 3.5 Implement Monitoring Mechanisms for AI Risk Management
- › 3.6 Review and Adapt Mitigation Strategies Based on Feedback

• **4 Implementing and Monitoring Risk Management Practices** — 6 classes

- › 4.1 Identify Key Risks in AI Projects
- › 4.2 Develop a Risk Management Framework for AI
- › 4.3 Assess the Impact and Likelihood of Risks
- › 4.4 Implement Mitigation Strategies for Identified Risks
- › 4.5 Monitor and Review Risk Management Practices
- › 4.6 Communicate Risk Management Outcomes to Stakeholders

• **5 Communicating and Reporting AI Risks to Stakeholders** — 6 classes

- › 5.1 Identify Key AI Risk Factors for Stakeholder Communication
- › 5.2 Analyze Stakeholder Needs and Expectations in AI Projects
- › 5.3 Develop Clear Risk Communication Strategies for AI
- › 5.4 Create Effective Risk Reporting Templates for Stakeholders
- › 5.5 Demonstrate Best Practices for Presenting AI Risks to Stakeholders
- › 5.6 Evaluate Feedback and Improve AI Risk Communications Continuously