

ISO/IEC 42001 Lead Implementer

Course Outline

Module 1: Introduction to AI Management Systems and ISO/IEC 42001

Lessons:

- Course Overview
 - Introduction to the training program
 - Objectives and structure of the course
- Introduction to ISO/IEC 42001:2023
 - Background and evolution of the standard
 - Key concepts and definitions
- Fundamentals of Artificial Intelligence
 - Types of AI systems
 - Components and architecture of AI
 - Core principles guiding AI development
- AI System Lifecycle
 - Phases from development to deployment and retirement
 - Best practices in managing each lifecycle stage

Highlight:

Build a strong foundation in AI principles and understand how ISO/IEC 42001 standardizes AI management.

Module 2: Organizational Context and AI Integration

Lessons:

- Types of Organizational Relationships with AI
 - AI as a service
 - AI in product development
 - AI in operational processes
- AIMS Context Setting
 - Identifying internal and external factors
 - Stakeholder analysis and expectations
 - Aligning AI initiatives with business objectives
- AI Impact Assessment
 - Evaluating AI's potential effects on operations
 - Ethical, legal, and societal implications
 - Tools and methodologies for impact assessment

Highlight:

Learn to align AI strategies with organizational goals while assessing broader impacts.

Module 3: AI Risk Management and Documentation

Lessons:

- AI Risk Assessment
 - Identifying risks associated with AI systems
 - Risk analysis techniques
 - Risk evaluation and prioritization
- AIMS Documentation (Policy Development)

- Crafting AI policies and procedures
- Documentation requirements per ISO/IEC 42001
- Maintaining and controlling documents
- AIMS Implementation Strategies
 - Resource allocation and team roles
 - Training and awareness programs for staff
 - Change management considerations

Highlight:

Master the skills to identify and mitigate AI risks while developing robust policies.

Module 4: Auditing and Continuous Improvement

Lessons:

- Internal Audit & Management Review
 - Planning and conducting internal audits
 - Reporting findings and corrective actions
 - Role of management in reviewing AIMS performance
- External Audit Preparation
 - Understanding certification processes
 - Engaging with external auditors
 - Addressing non-conformities
- Continuous Improvement
 - Monitoring and measuring AIMS effectiveness
 - Implementing improvements based on audit results
 - Keeping up to date with AI advancements and standards

Highlight:

Gain expertise in auditing AIMS and driving continuous organizational improvement.

Module 5: Certification Preparation and Practice

Lessons:

- AIMS Implementation Review
 - Recap of the 7-step AIMS implementation process
 - Group discussions and experience sharing
- Certification Examination Practice
 - Sample exam questions
 - Time management strategies for the exam
 - Clarification of complex topics
- Next Steps
 - Career opportunities as an ISO/IEC 42001 Lead Implementer
 - Further professional development resources

Highlight:

Prepare thoroughly for the certification exam and advance your professional credentials.