

ISO 42001 Lead Implementer Training

(Become a Certified AI Lead Implementer)

Course highlights



20-Hour
Instructor-led Training



Learn from Industry Experts



Highly Interactive and
Dynamic Sessions



Learn with Real-World
Scenarios



Certificate of Completion



Access to Recorded
Sessions



Extended Post-Training
Support



Career Guidance and
Mentorship



Immersive Learning

About Course

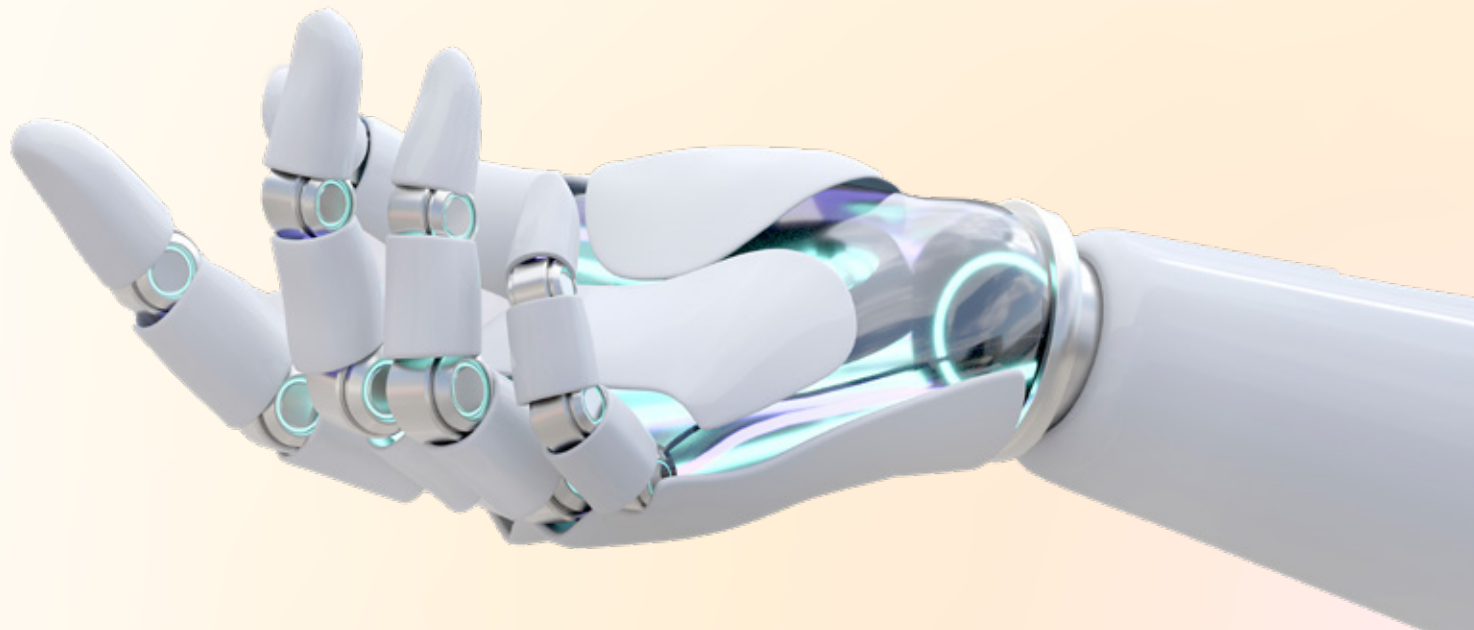
The rapid advancement of Artificial Intelligence (AI) has sparked important conversations about ethics, privacy, and security. In response to these growing concerns, the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) have introduced ISO/IEC 42001—a groundbreaking standard focused on Artificial Intelligence Management Systems. The ISO/IEC 42001 Lead Implementer Training Course from InfosecTrain is your gateway to a thriving career in the emerging field of AI cybersecurity and governance.

This comprehensive training course provides participants with the tools and knowledge needed to effectively implement the ISO/IEC 42001 standard. Participants will learn how to build robust processes and establish controls that promote the ethical, secure, and responsible use of AI systems—positioning themselves as leaders in this transformative domain. Whether you are an individual looking to transition into AI governance or enhance your expertise in cybersecurity, this course empowers you to become a trailblazer in managing AI responsibly. Ready to take your career to the next level? Let Cyber Savvy guide you to success in this exciting and essential field.



Course Objectives

- ✔ Gain a comprehensive understanding of AI principles and their organizational impact.
- ✔ Master the implementation of an AI Management System (AIMS) in alignment with ISO/IEC 42001 standards.
- ✔ Learn to conduct thorough AI impact and risk assessments with confidence.
- ✔ Develop essential documentation and policies to support effective AI governance.
- ✔ Get equipped to prepare for and navigate internal and external audits successfully.
- ✔ Elevate your career in the rapidly evolving and transformative world of AI.



Target Audience

- ✓ AI Professionals/Practitioners, career switch enthusiasts
- ✓ Compliance Officers and Risk Managers
- ✓ IT Managers and Consultants
- ✓ Quality Assurance Professionals
- ✓ Anyone interested in implementing an Artificial Intelligence Management System (AIMS)

Pre-Requisites

- ✓ A general understanding of AIMS and ISO/IEC 42001 is the primary requirement for enrolling in this training course.

Exam Information

- ✓ We provide Exams with PECB, TUV & IGC; for more detail, connect with our experts.



Course Content

Module 01

Introduction to AI Management Systems and ISO/IEC 42001

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 02

Organizational Context and AI Integration

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 03

AI Risk Management and Documentation

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 04

Auditing and Continuous Improvement

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 05

Certification Preparation and Practice

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.





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