



ISO/IEC 42001 Lead Implementer

Training & Certification

(Become a Certified AI Lead Implementer)



Access to
Recorded Sessions



In-depth AI
Use Cases



Practice-based
Learning



End-to-end
Implementation



Telegram Support
Group for Exam Practice



Extended
Post-training Support



Specimen **Exam**



Career Guidance
& Mentorship

Course Highlights

About Course

Artificial Intelligence (AI) is transforming how organizations operate, but it also brings challenges around ethics, transparency, and security. ISO/IEC 42001 is the first global standard for establishing and managing Artificial Intelligence Management Systems (AIMS), ensuring AI is used responsibly and effectively.

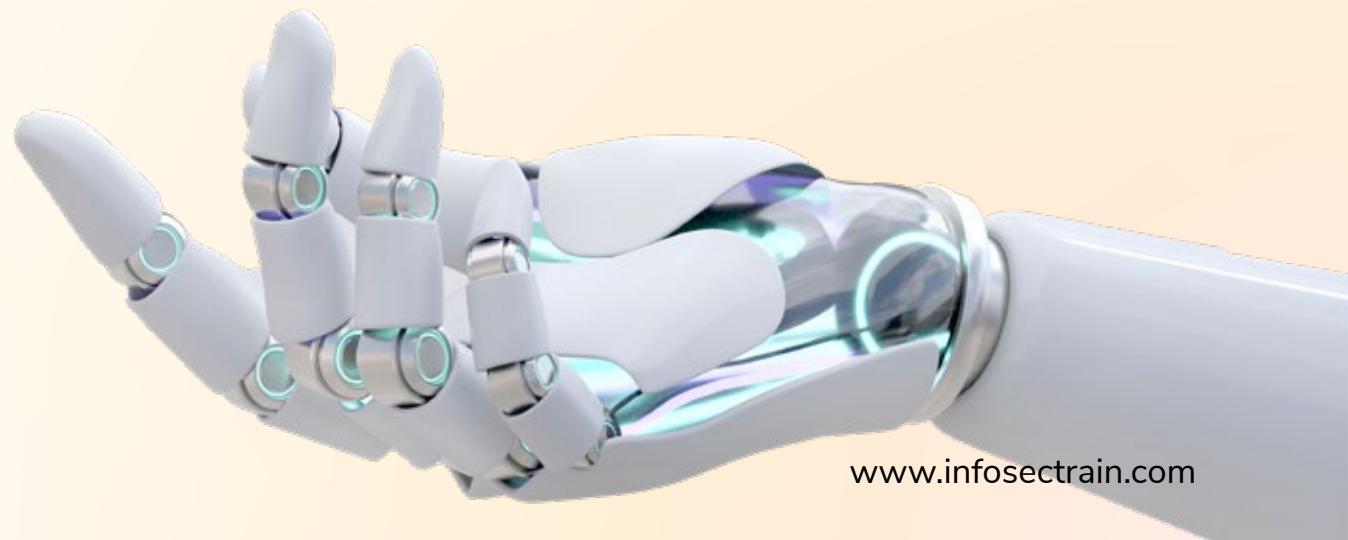
InfosecTrain's ISO/IEC 42001 Lead Implementer Training equips you with the knowledge and practical skills to design, implement, and maintain an AIMS aligned with the standard. Through scenario-driven learning and real-world case studies, you'll learn to build robust processes and controls that promote ethical, secure, and compliant AI use—enabling you to lead AI adoption with confidence.



Course Objectives

By the end of this training, participants will be able to:

- ✓ Get introduced to AI and ML and how they impact lives and organisations today
- ✓ Understand the need to have a systematic approach to the use of AI in an organisation
- ✓ Understand the elements to be taken care of when an organisation is using AI for their business activities
- ✓ Discover the needs of a practitioner when an organisation is using AI-based system
- ✓ Understand the impact of AI on data privacy and how to deal with privacy issues related to AI



Target Audience

- ✓ AI Developers and Operators
- ✓ Business Function Managers
- ✓ Quality Managers
- ✓ Business Excellence Professionals
- ✓ Information Security Professionals
- ✓ Consultants
- ✓ AI Service Vendors
- ✓ Any AI Stakeholder in Any Capacity
- ✓ Management System Auditors

Pre-Requisites

An understanding of data science and information management will help.

Exam Information

We provide **Exams with TUV SUD** for more detail, connect with our experts.



Course Content

- ❖ Introduction to Artificial Intelligence (AI)
- ❖ Introduction to Machine Learning (ML)
- ❖ The concept of data science
- ❖ AI concepts and terminologies
 - ✓ Generative AI
 - ✓ Discriminative AI
- ❖ Understand how AI becomes disruptive
- ❖ AI considerations
- ❖ Regulatory stipulations
- ❖ Transparency needs
- ❖ Introduction to ISO/IEC 42001:2023 standard Applicability of the standard
- ❖ Relationship between Information Security, Data Privacy and AI
- ❖ Benefits
- ❖ Responsible use of AI

- ❖ Efficiency factors
- ❖ Risk-based approach
- ❖ Traceability, transparency, and reliability
- ❖ Clauses and requirements
- ❖ ISO/IEC 22989:2022 standard – key terms explanation
- ❖ ISO/IEC 23053:2022 standard
- ❖ Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)
- ❖ ISO/IEC 23894:2023 standard
- ❖ Artificial intelligence - Guidance on risk management
- ❖ ISO/IEC 42001:2023 Implementation steps
- ❖ Case studies and exercises





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