



# **ISO/IEC 42001 Lead Implementer**

**Training & Certification**

**(Become a Certified AI Lead Implementer)**

[www.infosectrain.com](http://www.infosectrain.com)



**40-Hour LIVE**  
Instructor-led Training



In-depth **AI**  
**Use Cases**



**Practice-based**  
Learning



End-to-end  
**Implementation**



Extended  
**Post-training** Support



Specimen **Exam**



**Telegram Support**  
Group for Exam Practice



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.

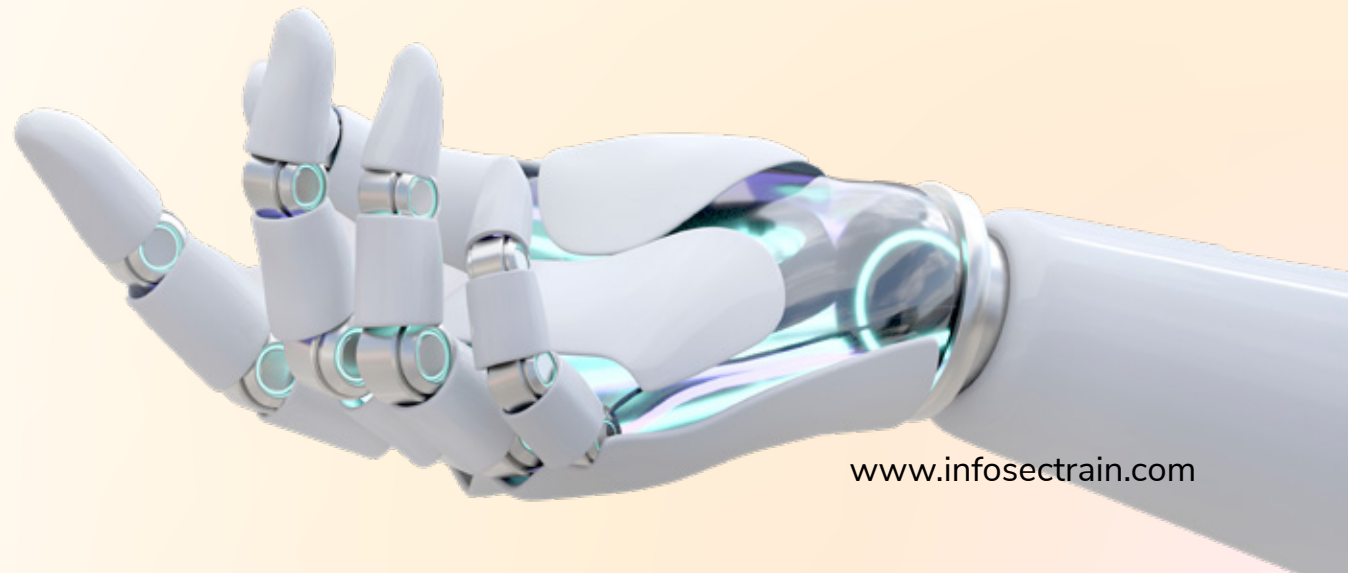
InfosecTrain's ISO/IEC 42001 Lead Implementer Training equips you with the knowledge and practical skills to design, implement, and maintain an AIMS aligned with the standard. Through scenario-driven learning and real-world case studies, you'll learn to build robust processes and controls that promote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