

AI Management Systems and Governance using ISO/IEC 42001 and ISO/IEC 38507

Duration 2 Days

COURSE DESCRIPTION

This course provides a comprehensive overview of ISO/IEC 42001, the world's first standard for AI management systems, combined with ISO/IEC 38507, which addresses the governance implications of organizational use of AI. Participants will learn how to establish, implement, maintain, and improve an AI management system, while also understanding governance responsibilities for AI deployment. Practical workshops and case studies are included to reinforce learning.

COURSE OBJECTIVE

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

- Understand the structure, scope, and requirements of ISO/IEC 42001 for AI management systems.
- Apply risk-based thinking and operational planning to AI projects.
- Recognize governance obligations for organizations adopting AI, based on ISO/IEC 38507.
- Develop policies, oversight mechanisms, and accountability structures for AI use.
- Integrate AI management system practices with broader corporate governance frameworks.

COURSE OUTLINE

Day 1: ISO/IEC 42001 — AI Management System

Time	Topics
9.00–10.30	Introduction to ISO/IEC 42001 / Scope / Terms and Definitions / Context of the Organization
10.45–12.00	Leadership and AI Policy / Roles, Responsibilities and Authorities
13.00–14.30	Planning Actions for AI Risks and Opportunities / AI Objectives and Planning
14.45–16.00	Support Functions: Resources, Competence, Awareness, Communication, and Documentation

Day 2: ISO/IEC 38507 — Governance of AI

Time	Topics
9.00–10.30	Governance Implications of AI / Maintaining Accountability
10.45–12.00	Overview of AI vs Traditional IT / AI Ecosystem / Benefits and Constraints
13.00–14.30	Policies for AI Governance: Oversight, Decision-Making, Data Use, Ethics, Compliance
14.45–16.00	Risk Management and Culture for AI Governance / Integrating AI Management into Organizational Governance

TEACHING AND LEARNING METHODS

- **Lectures** for key concepts and standards
- **Case Studies** to apply standards to real-world scenarios
- **Workshops** for hands-on creation of AI policies and governance checklists
- **Group Discussions and Role-Plays** to simulate governance decision-making
- **Q&A sessions** for clarifications and deeper exploration

RECOMMENDED MATERIALS

- NIST AI Risk Management Framework 1.0 (free download)
- ISACA AI Governance and Assurance frameworks (overview for supplementary reading)