

Lead Implementer Training Program on Artificial Intelligence Management System (AIMS) based on ISO/IEC 42001:2023

Training Program

Certified ISO 42001:2023 Lead Implementer based on ISO/IEC 42001:2023

What will you learn?

- The international standard ISO/IEC 42001 (the world's first AI management system standard) specifies the requirements for establishing, implementing, maintaining, and continually improving an Artificial Intelligence Management System (AIMS) within organisations. It is designed for entities providing or utilising AI-based products or services, ensuring responsible development and use of AI systems and providing guidance for this rapidly changing technology field. It addresses the unique challenges AI poses. It sets out a structured way to manage risks and opportunities associated with AI, balancing innovation with governance.
- You will be able to learn how an organisation can build an artificial intelligence management system in a structured manner to deal with the use of AI-based systems, develop such a system or deliver services using AI-based systems meeting the requirements specified in ISO/IEC 42001:2023 standard. You will also learn how to manage AI-related risks systematically

Course Outline

Topics to be covered in this course include:

- 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

Pre-requisites

An understanding of data science and information management will help.

Examination

- Mode: Online
 - 50 Questions
 - 70% to pass
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Note:

- The course material and the notes can be referred to during the exam.
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Certification

- Certificate of Successful Completion will be awarded only if an overall score of 49 marks (70%) is achieved in the written online exam.
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