This introductory course provides a foundational understanding of Artificial Intelligence (AI) and the principles of an Artificial Intelligence Management System (AIMS) based on the ISO 42001 standard. It explores the key concepts, benefits, and challenges of AI, and how ISO 42001 provides a framework for organizations to responsibly and effectively manage their AI systems. This course is ideal for individuals seeking a general overview of AI governance and the role of ISO 42001.

Upon completion of this course, participants will be able to:

- Define Artificial Intelligence (AI) and related key concepts.
- Understand the benefits and potential risks associated with AI systems.
- Explain the purpose and structure of ISO 42001: Artificial Intelligence Management System.
- Identify the key principles and requirements of ISO 42001.
- Recognize the importance of ethical considerations and responsible AI development and deployment.
- Understand how an AIMS based on ISO 42001 can benefit an organization.
- Describe the relationship between ISO 42001 and other relevant standards and regulations.

Course Outline:

Module 1: Introduction to Artificial Intelligence

- What is Artificial Intelligence? Defining AI, Machine Learning, Deep Learning, and other related terms
- Brief History and Evolution of AI
- The Potential Benefits and Opportunities of AI
- The Potential Risks and Challenges of AI (Bias, Transparency, Accountability, etc.)

Module 2: The Need for AI Governance and ISO 42001

- The Importance of Managing AI Effectively and Ethically
- Challenges in Governing AI Systems
- Introduction to Management Systems and their Benefits
- Overview of ISO 42001: Purpose, Scope, and Structure
- The Principles of an Artificial Intelligence Management System
- Benefits of Implementing an AIMS based on ISO 42001
- Interactive Exercise: Identifying AI risks and benefits in a given scenario

Module 3: Key Concepts and Requirements of ISO 42001

- Understanding the Context of the Organization in relation to AI
- Leadership and Commitment in AI Governance
- Planning for the AIMS: Objectives, Risk Assessment, and Treatment
- Support: Resources, Competence, Awareness, Communication, and Documented Information
- Operation: AI Development Lifecycle, Data Management, Validation and Verification
- Performance Evaluation: Monitoring, Measurement, Analysis, and Evaluation
- Improvement: Nonconformity and Corrective Action, Continual Improvement

Module 4: Responsible AI and the Way Forward

- Ethical Considerations in AI Development and Deployment
- Addressing Bias, Fairness, and Transparency in AI
- Accountability and Responsibility in AI Systems
- The Role of ISO 42001 in Promoting Responsible AI
- Next Steps for Learning More about ISO 42001
- Final Q&A and Course Wrap-up

Course Duration

- 4 – hours – Virtual Classroom

Target Audience:

- Individuals with no prior in-depth knowledge of AI or management systems
- Managers and professionals interested in understanding the basics of AI governance and ethical considerations
- Employees who will interact with or be affected by AI systems within their organization
- Individuals considering further training in ISO 42001 implementation or auditing

Upcoming Events

Jan 8
8:00 am – 12:00 pm

AI 101: Fundamentals of Artificial Intelligence Management Systems based on ISO 42001

Apr 16
8:00 am – 12:00 pm

AI 101: Fundamentals of Artificial Intelligence Management Systems based on ISO 42001

Jul 23
8:00 am – 12:00 pm

AI 101: Fundamentals of Artificial Intelligence Management Systems based on ISO 42001

Oct 22
8:00 am – 12:00 pm

AI 101: Fundamentals of Artificial Intelligence Management Systems based on ISO 42001

View Calendar