KLG INTERNATIONAL
LOCALIZED GLOBAL KNOWLEDGE

Implementation of the

ARTIFICIAL INTELLIGENCE MANAGEMENT SYSTEM (AIMS)

According to ISO/IEC 42001:2023

Duration

32 hours

office@klginternational.com +971 585 619 716 www.klginternational.com

KLG INTERNATIONAL
LOCALIZED GLOBAL KNOWLEDGE

INTRODUCTION

Artificial intelligence (AI) is increasingly being applied in all sectors that use information technology and is expected to be one of the main economic drivers. One consequence of this trend is that certain applications may pose societal challenges in the coming years.

This course aims to challenge organizations to responsibly perform their role with respect to AI systems (e.g., using, developing, monitoring, or providing products or services that use AI). AI potentially raises specific considerations such as:

- The use of AI for automatic decision-making, sometimes in a non-transparent and unexplainable way, may require specific management beyond the
- management of classic computer systems.
- The use of data analytics, knowledge, and machine learning, rather than human-coded logic to design systems, increases the application opportunities for AI systems and changes the way such systems are developed, justified, and deployed.
- AI systems that perform continuous learning change their behavior during their use. They require special consideration to ensure that their responsible use continues with behavior change.

OBJECTIVE

The participant **will identify** the **key aspects** for the **implementation** and **documentation** of the **requirements and controls** of an Artificial Intelligence Management System (AIMS), based on the international standard ISO/IEC 42001:2023

KLG INTERNATIONAL
LOCALIZED GLOBAL KNOWLEDGE

DIRECTED

- Responsible for AI, computer security, cyber-security or cybersecurity.
- Systems managers or Information and communications technology managers.
- Responsible for the management systems and/or certifications of the organizations.
- Responsible for governance and/or internal control of organizations.
- Auditors, consultants or advisors, specialists and people dedicated to Artificial Intelligence.
- Managing Directors and/or Business Unit Directors.
- Consultants or advisors, specialists and people dedicated to Artificial Intelligence.
- Professionals who want or are implementing an AIMS.

THE PARTICIPANT AT THE END

- It will determine organizational objectives, stakeholder engagement, and organizational policy.
- You will be able to identify and manage the risks of Artificial Intelligence.
- It will carry out the assessment and treatment of information security risks.
- You will identify processes for management related to the reliability of AI systems, such as safety, security, fairness, transparency,
- data quality, and quality of AI systems throughout their lifecycle.
- Identify processes for the management of vendors, partners, and third parties that provide or develop AI systems for the organization.

REQUIREMENTS

- Have demonstrable knowledge of ISO/IEC 42001 requirements
- Professional experience is recommended, including in quality management systems/information security management systems: QMS/ISMS

office@klginternational.com +971 585 619 716 www.klginternational.com

KLG INTERNATIONAL
LOCALIZED GLOBAL KNOWLEDGE

SYLLABUS

Topic 1:

Background:

Topic 2:

The 42000 series of standards.

Topic 3:

What is Artificial Intelligence Management?

Topic 4:

Main terms and definitions

Topic 5:

ISO/IEC 42001 (requirements

Topic 6:

Interpretation of the requirements for an AIMS according to ISO/IEC 42001 (exercises):

- Context of the organization (SWOT and Stakeholders exercise),
- Leadership
- Planning (exercise Risk Management in AI),
- Support (Exercise of Objectives of the SGIA),
- Operation (processes involved in AI),
- Performance evaluation and improvement.

Topic 7:

Application of information security controls in accordance with ISO/IEC 42001:

- Controles de IA.