# Course Curriculum

# ISO 42001- AI Management System Lead Implementer

**Introduction to ISO 42001:2023 standard**

1. Introduction to ISO 42001:2023 standard
2. ISO 42001,42005,42006,22989,38507,23894
3. NIST AI RMF & EU AI Act
4. AI Management System(AIMS)
5. Integrated Management System.
6. 6.Definition of AIMS, Process Approach
7. Overview of Clause 4 to Clause 10
8. Overview of Annex A, B, C & D

**Introduction to AI**

1. 1.Artificial Intelligence
2. 2.History of AI
3. 3.Machine Learning & Deep Learning
4. 4.Neural Network
5. AI Systems- Classification of AI Systems , Types of AI Systems
6. 6.AI Principles
7. 7.Data and Data Governance

**Organization & Its Context**

1. Mission, Vision & Strategies
2. AIMS Objectives
3. Scope Definition
4. Internal and External Environment
5. Interested Parties.
6. Roles and Responsibilities
7. Analysis of Existing System- Gap Assessment

**Leadership, AI Policy & AI Risk**

1. AI Policy
2. AI Policy Model
3. Approval and Dissemination of AI Policy
4. AI Risk Management- ISO 31000, Principle of AI Risk Management
5. AI System Impact Assessment
6. AI Risk Treatment and Approvals
7. AI Risk Communication, Reporting and Consultation
8. AI Statement of Applicability(SOA)

**AI Control- Design & Selection, Communication & Awareness**

1. 1.Selection & Design of controls
2. 2.Implementation of controls & Introduction of Annex A controls
3. 3.Brief of Annex A controls.
4. 4.Management of documented information creation and management of records
5. 5.AIMS Communication
6. 6.Competencies and Awareness
7. 7.Management of AI Operations- Change Management in AIMS
8. 8.Management of resources and changes.

**Metric/Measurement, Continual improvement, Internal Audit & Certification**

1. AIMS measurement objectives
2. What need to be measured and by whom
3. AIMS performance indicators & reporting results.
4. Internal AIMS Audit, Types of Audit, Independence in Audit,
5. Allocation of resource to audit and audit program
6. Non Conformity and Follow-Ups
7. Management Reviews- Conducting mgmt. review
8. Determine mgmt. review outputs and follow ups