

IASA Certified IT Architect-Associate (Artificial Intelligence Architecture)

OVERVIEW

This course equips professionals with the capability to design, implement, and operationalise AI solutions that directly support organisational strategy and product development goals.

Learners develop end-to-end skills to:

- Identify high-value AI opportunities within business processes and products
- Design scalable AI workflows and architectures (data, models, operations, governance)
- Deploy and manage AI systems using modern practices such as LLMOps, RAG, and agent based systems
- Drive adoption and change, ensuring AI solutions are successfully integrated into real world operations

LEARNING OUTCOME

Upon completion of the course, learners will be able to identify, design, and implement AI solutions that align with organisational strategy and deliver measurable business value. They will gain the capability to formulate end-to-end AI workflows, integrating data, models, deployment, and governance into cohesive systems.

CERTIFICATION PROGRESSION

**Enterprise
Architecture Core**

**Artificial Intelligence
Architecture**

TARGET AUDIENCE

This course is designed for professionals involved in designing, implementing, managing, or driving adoption of AI solutions in organisational and product environments.

Relevant job roles include:

- AI / Solutions Architect
- AI Engineer / Machine Learning Engineer
- Data Engineer / Data Specialist
- Software Engineer (Mid-Senior Level)
- Technical Lead / Engineering Manager
- Product Manager (Technical / AI-focused)
- Business Analyst / Digital Transformation Lead
- IT/Technology Consultants

IASA Certified IT Architect-Associate (Artificial Intelligence Architecture)

PRE-REQUISITE:

IASA CITA-Foundation

COURSE DURATION:

5 Days

CERTIFICATION:

- IASA CITA – Associate (AI Architecture)
- IASA Certified IT Architect – Associate (CITA-A) Digital Badge

MODE OF TRAINING:

Classroom

LEVEL GOAL

Skills Framework for ICT:
Technology Management Skills
and Competency

Artificial Intelligence Application in Product Development Level 5

Formulate new Artificial
Intelligence (AI) workflows to
streamline, project execution,
product development and
maintenance processes in line
with organisational strategy

Day 1

Learning Unit 1: AI Opportunities and Capabilities

Focus: Determine where and why AI should be applied

Topic 1.1: AI Foundations

Topic 1.2: Prompt Engineering, Grounding, and Retrieval-Augmented
Generation (RAG)

Day 2

Topic 1.3: AI Software Architecture

Learning Unit 2: AI Workflows and Governance

Focus: Formulate AI workflows and operational models Version

Topic 2.1: LLMOps Lifecycle

Topic 2.2: AI Governance

Day 3

Learning Unit 3: AI Systems and Agents

Focus: Develop technical frameworks for AI applications

Topic 3.1: Fundamentals of AI Agents

Topic 3.2: Model Context Protocol (MCP) and Orchestration

Topic 3.3: Agent-to-Agent (A2A) Communication

Day 4

Topic 3.4: Versioning and Lifecycle Management of AI Systems

Learning Unit 4: AI System Design and Integration

Focus: Design and validate AI solutions in real-world contexts Topic

4.1: Data Management for AI

Day 5

Topic 4.2: Quality Attributes

Topic 4.3: Case Study and Practical Application

Topic 4.4: End-to-End Architecture

Assessment



FOR MORE INFORMATION

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