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iSAQB Advanced EAM Module course

26 – 30 July 2027
Kuala Lumpur (Malaysia)

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Introduction

In today's fast-paced business environment, organizations must ensure that their IT architecture is strategically aligned with business goals and capable of supporting digital transformation. Enterprise Architecture EA plays a vital role in enabling this alignment by connecting business strategy, processes, and technology infrastructure into one cohesive framework.

This advanced iSAQB module provides participants with a comprehensive understanding of Enterprise Architecture and Infrastructure Strategy, offering proven frameworks, governance approaches, and practical tools to design, manage, and optimize enterprise-wide architecture initiatives.
Through real-world case studies, interactive workshops, and best-practice discussions, participants will learn how to drive strategic transformation and ensure IT investments deliver measurable value.

Course Objectives

By the end of this course, participants will be able to:

- Understand the structure and methodology of leading EA frameworks such as TOGAF, Zachman, and ArchiMate.
- Align IT infrastructure strategies with organizational objectives and performance goals.
- Design and implement EA governance models and compliance frameworks.
- Plan and execute migration and modernization strategies for complex systems.
- Apply cost modeling, risk management, and resilience planning within architecture projects.
- Evaluate the impact of emerging technologies such as Cloud, AI, and DevOps on enterprise design.
- Lead cross-functional EA initiatives and ensure sustainable alignment between business and IT.

Course Outlines

Day 1 - Foundations & Strategic Alignment

- Introduction to Enterprise Architecture and Infrastructure Strategy.
- Understanding the role of EA in enterprise operations and transformation.
- Business-IT alignment principles and enterprise capability mapping.
- The relationship between business goals, governance, and technology execution.
- Interactive Exercise: Mapping business strategy to architecture imperatives.



Day 2 - Frameworks, Models & Tools

- Overview of EA frameworks: TOGAF, Zachman, and related methodologies.
- Architecture layers: Business, Application, Data, and Technology.
- Modeling languages and viewpoints for different stakeholders.
- Practical modeling using Archi and other enterprise architecture tools.
- Group Exercise: Develop an enterprise capability model for a sample organization.

Day 3 - Governance, Compliance & Risk

- Establishing architecture principles, standards, and policies.
- Architecture review boards and governance structures.
- Maturity assessment models COBIT, CMMI.
- Defining architecture KPIs and performance indicators.
- Risk identification, assessment, and mitigation in EA projects.
- Workshop: Build a governance and compliance framework.

Day 4 - Implementation, Migration & Roadmaps

- Managing transition architectures and enterprise change.
- Stakeholder mapping, communication planning, and engagement strategies.
- Developing architecture roadmaps and migration plans.
- Infrastructure modernization and cloud transformation.
- Case Study: Designing a hybrid cloud migration roadmap.
- Workshop: Create a full migration roadmap for a selected domain.

Day 5 - Strategy Execution & Capstone

- Integrating EA strategy into corporate governance and portfolio management.
- Cost modeling, budgeting, and resilience planning.
- Emerging trends: Cloud-native design, AI-driven architecture, edge computing, and sustainability.
- Capstone Project: Design and present an enterprise architecture strategy.
- Executive Review & Feedback Session: Peer and instructor evaluation with insights.

Why Attend this Course: Wins & Losses!

- Gain in-depth knowledge of global EA frameworks and methodologies.
- Understand how to align technology architecture with business outcomes.
- Learn to establish governance, compliance, and risk control mechanisms.
- Develop practical skills through workshops and case-based exercises.
- Enhance leadership capabilities to influence enterprise-wide change.
- Prepare for professional advancement aligned with the iSAQB Advanced Certification.



Conclusion

Effective Enterprise Architecture and Infrastructure Strategy are essential for achieving sustainable organizational success.
This course equips participants with the knowledge, frameworks, and tools needed to design, govern, and implement enterprise architectures that align technology with strategic business goals.

Graduates of this program will be able to lead architecture transformations, optimize IT investments, and contribute directly to the digital growth and resilience of their organizations.

