

## SOL-A: Iasa Associate Certified Solution Architecture

Course Code: SOL-A

Duration: 4 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

### OVERVIEW

A **Solutions Architect** is an expert in many categories. They should have hands-on experience in multiple industries and across several disciplines. They can master a variety of hardware platforms including mainframes, distributed platforms, desktops, and mobile devices. Akin to that, they should also possess skill and understanding of a variety of Operating Systems. A broad and deep understanding of Databases is also required.

The IASA Solutions Architect course develops an architect's skills to effectively function as a project delivery architect for midsize to large projects using common techniques and procedures.

### SKILLS COVERED

- Develop solution architecture for midsize to large projects.
- Understand the 4 primary aspects of solution architecture and work with critical stakeholders to deliver them.
- Function within the team throughout project life cycles to ensure appropriate technology strategy delivery.
- Deliver solutions regularly based on sound value management techniques.
- Manage stakeholders and key team members expectations and communications strategy.

### WHO SHOULD ATTEND?

- 3-5 years of architecture experience and thorough and complete understanding of the Business Technology Architecture Body of Knowledge (BTABoK).

### PREREQUISITES

- IASA Architect CITA-Foundation

### MODULES

#### Module 0: Introduction

- Introduction to Solution Architecture
- IASA Background

#### Module 1: The Solution Architect

- Define a Solution & the Solution Architect Role
- Structure a Solution Architecture Job Description
- Understand how the role has evolved
- Define Management and Review Criteria
- Structure Tasks and Deliverables

#### Module 2: Stakeholder Value to Requirements

- Stakeholder Management
- Understand Business Strategy
- Business Strategy Maps
- Competitive Differentiation
- Minimum Viable Product
- Business Case and Business Value
- Digital Transformation
- Business Model Canvas and Business Capabilities
- Customer Journeys, Personas and Storyboards
- Business Process Modelling

**Module 3: Alternatives to Project**

- Develop the service model
- Reference Architectures
- Selecting the team
- Project Initiation
- Agile Projects
- Monitor and Consult
- DevOps

**Module 4: Requirement to Alternatives**

- Define this phase of the solution architecture lifecycle
- Describe requirements analysis and RFPs
- Understand the value of trend & competitive analysis as sources of possible solutions
- Develop a general description & a detailed set of viewpoints for a solution
- Describe tradeoff and alternative assessments
- Prototype high-risk aspects of the solution
- Identifying and presenting the alternative analysis for customer concurrence

**Module 5: Advancement Engagement Model**

- Value Realisation
- Adoption and Change Management
- Planning for Automation and Integration
- Governance and Special Requirements
- Architecture and Maturity
- Technology Leadership
- EA Techniques

**Module 6: Life Cycles**

- Other Life Cycles
- Waterfall
- TOGAF
- Agile

- Kanban

**Module 7: Profession and Closing****END OF PAGE**