

IASA Associate Certified CITA - A

1.	Course Title	IASA Associate Certified CITA - A
2.	Type of Course	Non-technical
3.	Training Methodology	Classroom Blended Visual/ Remote
4.	Skill Area	IT & Business
5.	Duration (Days)	Core Module-Part 1 (Business Technology Strategy) - 4 days (7 hours per day exclude 1 hour lunch break) Elective Module-Part 2 (Business Architecture, Information Architecture, Infrastructure Architecture, Software Architecture or Solution Architecture) - 4 days (7 hours per day exclude 1 hour lunch break)
6.	Level of Certification	Certified Information Technology Architect Associate Level (CITA-Associate)
7.	Certification Body (If Applicable)	Name of Certification: Certified Information Technology Architect Associate (CITA-Associate) Certification Body: iasa (The Global IT Architect Association) is an International non-profit business association focuses on the IT architecture profession by leading the best practices in Enterprise Architecture for the corporate and government sectors. Accreditation Letter attached. iasa delivers standards and develops accreditation programmes to enterprise architects of all levels in various industry. The certification curriculum is built around the five pillars of IT Architecture Body of Knowledge (ITABoK), developed by a group of professional architects from various industry with world's best practices. ITABoK provides the tools and resources needed by individuals and organizations to set industry standards for professional career development and well as hiring practices and incorporation of IT architects into established or developing institutions. To achieve successful Digital Transformation, an Enterprise Architecture team requires an engagement framework that involves one or more architects in creating and delivering valuable business technology investment effectively. <i>Accreditation Letter attached.</i>

8.	Course Overview	<p>The CITA-Associate certification is a specialization based credential based on the knowledge obtained from Iasa's specialization courses.</p> <p>The materials covered are based on Iasa's IT Architecture Body of Knowledge (ITABoK). The ITABoK is a public archive of IT Architecture best practices, skills and knowledge developed from the experience of individual and corporate members of Iasa, the world's largest association of IT Architecture professionals.</p> <p>To achieve successful Digital Transformation, an Enterprise Architecture team which comprises of Business, Information, Infrastructure, Software and Solution Architect requires an engagement framework in creating and delivering valuable business technology investment effectively.</p>
9.	Prerequisite	Architecture Core
10.	Course Objective	<i>Refer Course Content – Objectives.</i>
11.	Learning Outcome	<i>Refer course content - Outcomes</i>
12.	Course content	<i>Refer course content.</i>
13.	Learning Activities	Lecture Practical Exercise Case Studies Learning Activities Self-Evaluation Training
14.	Target Group	BCP Specialists, DR Specialists Business Analysts, System Analysts Business Consultants Business Developers, IT Developers Corporate Strategists Data Centre Engineers Data Centre Engineers, Server Engineers Data Warehouse Specialists Database Analysts, Database Administrators, Database Designers

	<p>Digital Content Specialists Heads of LOB, Heads of Business Division Information Analysts, Information Consultants, Data Analysts Infrastructure Engineers Integration Specialists IT Management team members IT Managers, IT Directors IT operations Junior and Associate Business Architects Junior and Associate Information Architects Junior and Associate Infrastructure Architects Junior and Associate Software Architects Junior and Associate Solution Architects Presales Consultants Programmer Analysts Project Leaders, Project Manager Project Managers, Team Leaders Security Engineers Software Configuration Management personnel Software Consultants Software Engineers, Software Designers System Engineers Software Testers Solution Specialists Solution Specialists, Solution Consultants SQA Managers Strategy Consultants System Administrators, System Managers, System Consultants System Analysts, IT Analysts, Web Analysts System Configuration Managers System Engineers, Network Engineers Team Leaders Technical Decision Makers User Experience Analysts User Interface Designers Web Analysts</p>
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NO.	CONTENT / ACTIVITIES	OBJECTIVES	OUTCOMES	HOURS
	<p data-bbox="289 237 873 269"><u>Certified IT Architect Associate – CITA-A</u></p> <p data-bbox="289 302 873 334"><u>ELECTIVE MODULE – Part 2</u></p> <p data-bbox="289 367 873 431">1. <u>IASA Associate Certified CITA – A Software Architecture</u></p> <p data-bbox="289 472 873 537">Module 1 - Software Architecture Fundamentals</p> <ul data-bbox="338 570 873 773" style="list-style-type: none"> • Lesson 1 – Various roles and teams • Lesson 2 – Viewpoints and Terminology • Lesson 3 – Software Architecture Principles • Lesson 4 – System Structures <p data-bbox="289 813 873 846">Module 2 - Software Construction</p> <ul data-bbox="338 878 873 1040" style="list-style-type: none"> • Lesson 1 – Application Development • Lesson 2 – Programming Patterns • Lesson 3 – Software Construction Process • Lesson 4 - Technology Platform <p data-bbox="289 1081 873 1146">Module 3 - Components, Frameworks and Tools</p> <ul data-bbox="338 1179 873 1411" style="list-style-type: none"> • Lesson 1 – Client Programming and UX (User Experience) • Lesson 2 – Client, Server and Storage Technologies • Lesson 3 – Build and Connect Software Components • Lesson 4 – Database Programming 	<ul data-bbox="873 358 1226 1411" style="list-style-type: none"> • To apply rigorous software design methodology that consistently yields the right level of technical design documentation and develop technical solutions that conform both to customer requirements and software development standards. • To review and optimised software designs based on rigorous understanding of costs and returns based on the business needs and wants. • To recommend software architecture prioritisation through the project implementation process to demonstrate component selection 	<p data-bbox="1226 350 1709 740">A clear understanding of the four primary aspects of software architecture and the aptitude for working with critical stakeholders to deliver the solutions; mastered a variety of hardware platforms including mainframes, distributed platforms, desktops and mobile devices; grasped the inner-workings of a host of operating systems and databases.</p> <p data-bbox="1226 773 1709 967">Participants shall be the communication expert to the stakeholders while working within the team throughout project lifecycles to ensure appropriate delivery of technology strategies.</p>	<p data-bbox="1709 367 1927 464">4 Days (7 hours per day exclude 1 hour lunch)</p>

	<p>Module 4 - Service Network</p> <ul style="list-style-type: none"> • Lesson 1 – Asynchronous and Synchronous Computing • Lesson 2 – Service Oriented Architecture (SOA) • Lesson 3 – Messaging, XML and B2B • Lesson 4 – Application and Service Management <p>Module 5 - Architectural Process, Methods and Artifacts</p> <ul style="list-style-type: none"> • Lesson 1 – Software Architecture Modeling • Lesson 2 – Software Quality Assurance and Total Quality Assurance • Lesson 3 – Code Quality Analysis • Lesson 4 – Software Complexity <p>Module 6 - Architecture Throughout the Lifecycle</p> <ul style="list-style-type: none"> • Lesson 1 – Working with other Architect roles • Lesson 2 – Software Architecture Governance • Lesson 3 – Build, Deployment and Delivery • Lesson 4 – Software Service Transition 	<p>and prototyping.</p> <ul style="list-style-type: none"> • To utilize understanding of industry software trends to innovate and provide new project/product ideas within the technology investment lifecycle and ensure software reusability. • To communicate software design concepts in the business context to all levels of management in revealing the business values of the technology investment in the software system. 		
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