DIGILEAF INC.

Leading Excellence Among Fellows

Course Outline

Enterprise Architecture Learning Track

Enterprise Architecture Seminar-Workshop (Documentation and Mapping Business, Stakeholder, Architectural, and Solution Requirements)

Duration **2** Days

This is a two-day course covering essential aspects of Enterprise Architecture and Requirements Documentation. It discusses how the tools and techniques stated in the Business Analysis Body of Knowledge (BABOK 3.0) are applied when architecting the enterprise. This course presents the alignment of the four domain architectures: Business, Data, Application, and Technology, the relationships and dependencies of each of the four domains. This course also explains how enterprise architecture provides directions in portfolio, program, and project management. Prior to selecting domain specific system architectures, it is essential to understand the right context of architecture design to prevent misalignment when integrating architectures and designing solutions. This course includes practical skills necessary to document requirements including architecture, business and solution requirements. Participants will have a better understanding on how to communicate better with various stakeholders, including architects, subject matter experts, business process owners, solution designers and solution implementers. Participants will learn how to identify and translate business needs into features and capabilities, and use them to derive both functional and non-functional requirements.

Training Objectives

At the end of the course, the participants will be able to:

1. Describe the components of EA and TOGAF.
2. Explain the importance of having a cohesive Enterprise Architecture.
3. Identify EA deliverables, artifacts, and building blocks.
4. Present various types of requirements.
5. Write good requirements based on international standards and best practices.

Who is this module for?

Potential candidates for this module are:

- Anyone who heads an organization
- Head of Divisions/Departments
- Business Strategy Experts
- Business and Operations Managers
- Business/Systems Analyst
- Product Managers and Project Managers
- Enterprise Architects
- IT Architects
- Technology Officers
- Information Systems/Information Technology Staff

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Topics

Day 1

I. Introduction to Enterprise Architecture and TOGAF 9.1
II. What is Enterprise Architecture & Why is it important?
III. Enterprise Essentials
IV. Pressures Driving Business and IT Change
V. Definitions in Enterprise Architecture
VI. Why Manage Enterprise Architecture?
VII. TOGAF Architecture Development Method
VIII. Enterprise Architecture Domains
IX. Justifying the Investments in EA
X. Risks Inherent in EA Investments
XI. EA Management
XII. Linkages of Enterprise Architecture to Overall Business Strategy
XIII. Enterprise, Domain, and Project Architectures
XIV. Framework for Enterprise Architecture Management
XV. The Architectural Board
XVI. Architecture Governance
XVII. Measurement Frameworks for EA Management
XVIII. Measuring Qualitative and Quantitative Value from EA
XIX. Techniques for Architecture Development
XX. Enterprise Architecture Roadmap

Day 2

I. Requirements – Concepts, Principles, and Classifications
II. Introduction to the Business Analysis Body of Knowledge 3.0
III. Requirements Defined
IV. Requirements Classification Scheme
    a) Business Requirements
    b) Stakeholder Requirements
    c) Solution Requirements
    d) Transition Requirements
V. Standard used in Writing Requirements
    a) IEEE/ISO/IEC 29148-2011
VI. Guidelines in Writing Goals and Objectives derived from TOGAF
VII. Writing Architectural Requirements
VIII. Requirements Analysis and Design Definition
IX. Modeling Requirements using Archimate
    a) Modeling the Motivation Aspect
X. Requirements Life Cycle Management
XI. Requirements Engineering Cycle
XII. Linking Requirements and Architecture
XIII. Role of Requirements Engineering Cycle in the Phases of TOGAF ADM