



## Overview

Take your career to potentially new heights by becoming a trained business analyst with analytical skills required to solve complex business problems.

## Course Content:

### 1. Business Analyst Foundation

- : Software Development Life Cycle
- Software Development Methodologies – Water Fall, Iterative, Agile
- Types of Software Projects – Greenfield, Migration, Product Customization, Maintenance etc.
- Software Testing, Test Plans, Test Automation, Black Box and White Box Testing
- IT Implementation
- IT Deployment Environments – SAAS, On Premise, Client Server etc.
- Software Licensing, Subscription and Sale Models
- Project Development Vs Product Development
- Cloud Service and Deployment Models - Public, Private, Hybrid, Community, IAAS, PAAS, SAAS

### 2. IT Business Analysis Essentials

- Activities of an IT Business Analyst
- Analysis, Business Analysis, IT Business Analysis defined
- Objectives of Business Analysis
- Business Analysis Core Concept Model
- Who is an IT Business Analyst?
- Business Analysis Levels or Views - Process, Project, Enterprise and Industry
- Business Analysis Framework and Techniques
- IT Business Analysis Software
- IT Business Analyst Skills
- IT Business Analyst Career Path and Salaries.

### 3. Business Process Analysis

- What is a Business process?
- Critical Analysis of a Business Process
- Business Process Analysis
- Business Process Mapping & Flow charting
- As Is – To Be Analysis for a Business Process
- Business Process Mapping and Modelling Frameworks
- Business Process Mapping and Modelling Software
- Business Process Re-Engineering & Re-Design
- Business Process Automation, Disinter mediation and Re-intermediation
- Business Process Simulation



#### **4. Requirements Process – The Core of IT Business Analyst Activity**

- What is a Requirement
- Attributes of Requirements
- Importance of Requirements for IT Projects
- Types of Requirements: Business, Enterprise, Solution, Stakeholder, Transition
- Functional and Non-Functional Requirements
- Overview of Requirements Engineering and Management
- Requirements Basics: Mapping, Modelling, Traceability Matrix, Tracking
- Business Process Re-Engineering & Re-Design
- Important Requirement Process Steps: Elicitation, Analysis, Documentation, Validation, Management

#### **5. Stakeholder Analysis**

- Stakeholder Definition
- Importance of Stakeholder
- Stakeholder Identification – Onion Diagram
- Stakeholder Identification – Wheel
- Stakeholder Classification – Power Influence Matrix
- Stakeholder Engagement Techniques – Power/Influence Vs Interest
- Stakeholder RACI Chart, its preparation through Visio
- Stake Holder Persona
- Stakeholder Alignment and Sponsorship
- Managing Internal stakeholders

#### **6. UML – Unified Modelling Language**

- History of UML, its founding fathers and role of OMG (Object Management Group)
- UML Diagrams –UML Structure and UML Behavior Diagrams
- Important UML Diagrams for IT Business Analysts
- Overview of UML Structure Diagrams
- Class Diagrams
- Activity Diagrams
- Use Case Diagrams
- State Machine Diagrams
- Sequence Diagrams
- Deployment Diagrams
- Other UML Diagrams



## **7. Business Analysis Planning and Monitoring**

- Plan the Business Analysis Approach
- Plan Stakeholder Engagement
- Plan Business Analysis Governance
- Plan Business Analysis Information Management
- Identify Business Analysis Performance Improvements
- Plan Requirements Management Process
- Manage Business Analysis Performance

## **8. Requirements Elicitation & Collaboration**

- Elicitation: What and When
- Elicitation Tasks
- Prepare for Elicitation
- Conduct Elicitation Activity
- Document Elicitation Results
- Confirm Elicitation Results
- Manage Stakeholder Collaboration

## **9. Requirements Analysis**

- Requirements Analysis: What and When
- RA: The Business Analyst Tasks
- Prioritize Requirements
- Specify and Model Requirements
- Define Assumption and Constraints
- Verify Requirements
- Validate Requirements

## **10. Agile Business Analysis**

- Agile Software Development – An Overview
- Agile Manifesto and Philosophy
- Agile Methodology
- Agile Software Development Lifecycle
- Scrum
- Managing Sprint Planning, Daily SCRUM, Sprint Review & Sprint Retrospectives
- Three Roles in Scrum: Scum Master, Product Owner and Development Team
- Preparing Product Backlog, Sprint Burn Down Charts
- Preparing Agile Project Charter
- Xtreme Programming, Kanban
- Writing User Stories
- Story Points and Estimation on SCRUM projects