

Introduction to Business Analysis: Defining successful projects, developing user requirements.

Introduction and Fundamentals

- Business Analyst – Who, What, Why?
- BA – qualities, skills, roles, responsibilities
- BA – Fundamentals

BA – Knowledge Areas

- Software Development Life Cycle
- Methodologies – Waterfall, Agile, Scrum, RUP

Enterprise Analysis

- Business Architecture, Feasibility Studies, Project Scope
- Requirement Process, Planning & Management
- What are requirements?
- Characteristics of Requirements
- Types of Requirements
- Functional & Non-Functional Requirements
- The Requirements Process
- Planning & Managing Requirements

Requirements Elicitation

- Principles / Constraints / Techniques
- JAD – Joint Application Development
- Data Analysis
- Creating Models, Scenarios
- Interviewing
- Brainstorming
- Reverse Engineering
- Prototyping

Requirements Analysis

- RTM - Requirements Traceability Matrix
- Change Management
- Requirements Risk Management
- Gap Analysis
- Impact Analysis

Requirements Specifications

- FSD / BRS / URD / BRD (Business Requirements Document)
- Writing Functional Specifications Document
- Rules, problems, use of terms, structure

UML

- UML 2.0 – working with use case diagrams, activity diagrams, knowledge on class, object, state, sequence, collaboration, component, and deployment diagrams
- Working with UML tools
- Working with UI tools

Requirements Verification and signoff

- Structure and Grammar, banned words
- Validations, Pre-Review, Review
- Signoff

Miscellaneous

- Versioning
- Repositories
- Approvals

Validation

- QA, QC, Software Testing
- Types of Testing
- Testing Methods
- Testing Levels
- Testing Strategy, Planning, Test Cases