BUSINESS ANALYST COURSE CONTENT

- Introduction to Business Analysis
  - Introduction to Projects
  - Relationship between Operations and Projects
  - Who is a Project Manager?
  - What is Business Analysis?
  - Who is a BA? BA Roles and Responsibilities
  - Competencies of a Business Analyst

Relationship between a BA and PM

- Business Analysis Body of Knowledge
- Career Path for a Business Analyst
- What's the goal? What is being analyzed?
- Current Trends in Business Analysis
- The Practice of Business Analysis
  - Differentiating Business Analysis and other "Analyst" roles
  - Customer Needs & IT Needs
  - The Skill Set Of A BA
  - The BA's Core Knowledge Set
  - What the BA does not do!
  - Dark side of Business Analysis
  - Organization Structure and Reporting Relationships Tailoring the business analyst role for different projects
  - Tailoring the business analyst role for different projects
- Software Development Life Cycle (SDLC)
  - What is SDLC?
  - Various stages of SDLC
  - SDLC Methodologies
  - Waterfall Model
  - Iterative and Incremental approach

- Software Development Methodologies
  - What is a SW Development Methodology?
  - Why Software Methodologies?
  - Incremental and Iterative Approach
  - Water Fall Methodology
  - Prototype Methodology
  - Spiral Methodology
  - Agile Methodology
  - Rational Unified Process (RUP)
- Diagnosing the Business Environment – Enterprise Analysis
  - SWOT Analysis
  - Feasibility Study & Analysis
  - Problem Statement & Goal Statement
  - Business Case
  - Project Scope Statement & Vision Document
  - AS IS (current state) and TO BE (future state) Modeling
  - Root Cause Analysis – Fish Bone Diagram
- Landscape of Requirements
  - Requirements, Features And Constraints
  - Types Of Requirements – Functional & Non-functional
  - User and System Requirements
  - Requirements Source, Audience And Approval
- Stakeholder Analysis & Management
  - Who are Stakeholders?
  - Stakeholders, Stakeholder categories and Profiles
  - Internal & External Stakeholders
  - Stakeholder Roles & Responsibilities
  - Conducting Stakeholder Analysis & Elicitation Plan
- Requirements Elicitation
  - Requirements Gathering
  - Requirements Gathering Techniques
  - Selecting the appropriate technique
  - Challenges with Elicitation

- The Elicitation Cycle
- Requirements Analysis
  - Evaluating, Selecting and Prioritizing initiatives
  - Employing Analysis techniques to assess alternatives
  - Building a Model of the Solution – Business Process & Data Process Flow
  - Understanding & Developing Story BoardsDeveloping output mockups or prototypes
  - Obtaining Stakeholder confirmation
  - Constructing context, overview, and detail flow diagrams
  - Identifying appropriate detail levelData Requirements
  - Decision Trees and Decision Tables
  - Requirements Development Plan
    - Requirements Development Plan
    - Selecting Requirements development templates Organizing the Facts
    - Business Rules
    - User Attributes
    - Flowcharts
  - Use Case & Unified Modeling Language
    - What is Use case?
    - Basic Flow, Alternate Flows & Exception Flows
    - How Use Case Diagrams Show Relationships
    - Paths and Scenarios
    - Use Case Diagrams
    - Class Diagrams
    - Sequence Diagrams
    - Activity Diagrams
    - Introduction to Rational Suite & MS Vision
  - Requirements Management
    - Change Management
    - An examination of why people resist change
    - How Requirements become Un-Managed
    - BA's role in managing change
    - Requirements Traceability & Change Control

- *When Requirements Collide:* Alternative Decision-Making Approaches
- How much time should be spent on Requirements
- Implementing Just enough Requirements
- Requirements Communication
  - Preparing and making the presentation
  - Description of solution
  - Establishing your objective
  - Doing audience analysis
  - Organizing your ideas
  - Using visuals
  - Rehearsing
- Supporting Downstream Development
  - Quality Assurance and Quality Control
  - Business Analyst's Role in Testing
  - Use Case vs Test Case
  - Responsibilities
  - How can the solution be evaluated?
  - Who should perform an assessment?
  - Requirements Validation Techniques
  - Unit Testing, System Testing, Integration Testing, Regression Testing
- Flow Modeling
  - Business Process Flow
  - Data Process Flow
- Getting Ready for the Real World
  - BA Resume Preparation
  - Interview Questions & Preparation
  - Domains Discussion