

Wireclass

Business Analyst Syllabus

Training Highlights

- *Quality Study materials.*
- *Certification Guidance.*
- *Focus on Hands on training with lots of assignments.*
- *Case Studies based on Real-time project based Scenarios*
- *Training Completion Certificate at the end of the training.*

Course Duration: *2 classes every week of 1.5 hours. Total 5 weeks, 15 hours Training.*

Course Timings: *Weekdays after the working hours and if held on Weekends at a convenient time.*

Training Format: *This course is delivered as a highly interactive session, with extensive live examples. This course is Live Instructor led online training delivered using Cisco WebEx Meeting center and Audio Conferencing tool.*

Course Details:

- 1) *Introduction to Business Analysis*
- 2) *Understanding and Capturing business needs*
- 3) *Requirement Analysis Process*
- 4) *System Development Life Cycle (SDLC)*
- 5) *Modeling Data and Processes*
- 6) *UML Methodology*
- 7) *Creating Effective Use Cases*
- 8) *Software Engineering Methods*
- 9) *Software Testing*
- 10) *Business Analysis Techniques*
- 11) *Business Analysis Tools for Requirement Gathering, Analysis & Modeling*
- 12) *Business Process Improvement*

Topics Covered in the Training

Module 1 - Introduction to Business Analysis

- *Introduction to Business Analysis*
- *Business Composition and Architecture*
- *Roles and Responsibilities of a Business Analyst*
- *Need for a Business Analyst*
- *Project Team*
- *Importance of a Business Analyst in the Project Team*

Module 2 - Understanding and Capturing business needs

- *Setting up priorities*
- *Feasibility studies*
- *Project scope*
- *Business case*
- *Risk assessment*
- *Evaluating and selecting an initiative*
- *Setting up future vision*

Module 3 - Requirement Analysis Process

- *Creating Requirement gathering strategy*
- *Planning*
- *Requirements Activities*
- *Requirement Gathering Techniques*
- *Different Types of Requirements*
- *Creating Business Requirement Document*
- *Creating Software Requirement Specifications*
- *Requirements Risk Management*
- *Manage Requirements Change*

Module 4 - System Development Life Cycle (SDLC)

- *Understanding Concept of Business Modeling*
- *Requirement Gathering*
- *Analysis*
- *Implementation*
- *Testing*
- *Deployment*

Module 5 - Modeling Data and Processes

- *Data models*
- *Conceptual, logical and physical schemes*
- *Data modeling process*
- *Modeling methodologies*
- *Entity relationship diagrams*
- *Generic data modeling*
- *Semantic data modeling*

Module 6 - UML Methodology

- *Use Case Diagrams*
- *Activity Diagrams*
- *Sequence Diagrams*
- *State Chart Diagrams*

Module 7 - Creating effective Use Cases

- *Understanding Use Cases*
- *Use Case Relationships*
- *Use Case Brainstorming*
- *Creating Use cases from Requirements*
- *Creating Use Case Narratives*
- *Change Management & Version Control Concept*

Module 8 - Software Engineering Methods

- *Waterfall Method*
- *Rational Unified Process (RUP)*
- *RAD Methodology*
- *AGILE Methodology*
- *Prototype Model*
- *Comparison between Waterfall & RUP*
- *Artifacts delivered in each phase of RUP*

Module 9 - Software Testing

- *Introduction to QA Methodology*
- *Role of BA in Testing*
- *Creating Test Plans*
- *Creating Test Cases*
- *Different Testing Methods*
- *Functional and Regression testing*
- *White Box and Black Box Testing*
- *Positive and Negative Testing*
- *GUI and Unit Testing*
- *User Acceptance Testing*

Module 10 - Business Analysis Techniques

- *PESTLE – Political, Economic, Sociological, Technological, Legal, Environmental*
- *MOST – Mission, Objectives, Strategies, Tactics*
- *SWOT – Strengths, Weaknesses, Opportunities, Threats*
- *CATWOE – Customers, Actors, Transformation Process, World View, Owner, Environmental Constraints*

Module 11 - Business Analysis Tools for Requirement Gathering, Analysis & Modeling

- *Rational Requisite Pro*
- *Enterprise Architect*
- *Rational Rose*
- *MS Visio*

Module 12 - Business Process Improvement

- *Selection of process teams and leader*
- *Process analysis training*
- *Process analysis interview*
- *Process documentation*
- *Review cycle*
- *Problem analysis*

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