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| Module 1. | Introduction to Business Analysis |
| Module 2. | Understanding and Capturing business needs |
| Module 3. | Requirement Analysis Process |
| Module 4. | Requirement Gathering, Analysis and BRD creation |
| Module 5. | Wireframe/Prototype/Mockup |
| Module 6. | Creating Effective Use Cases |
| Module 7. | UML Methodology |
| Module 8. | Business Analysis Tools |
| Module 9. | Requirement Gathering and Elicitation for a project in SCRUM |
| Module 10. | Project Documentation and Management |
| Module 11. | Software Testing |
| Module 12. | Database Concepts and SQL Overview |

Module 13. Guidance on Resume Preparation and Mock Interview

**Topics Covered**

**Introduction to Business Analysis**

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| * 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 |
| * BA Jargons |

**Understanding and Capturing Business Needs**

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| * Setting up priorities |
| * Feasibility studies |
| * Project scope |
| * Business case |
| * Risk assessment |
| * Evaluating and selecting |
| * Setting up future vision   **SDLC and SDLC Methodologies**   * Waterfall Model * Prototype * RUP * Spiral * V-Model * Agile * SCRUM |
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**Requirement Analysis Process**

* Identify Key Stakeholders
* Gather Stakeholder requirements
* Categorize Requirements
* Interpret and Record Requirements
* Signoff

**Techniques**

* Brainstorming
* Focus Group Interviews
* Questionnaire(Survey)
* Observation(Client and Client Customer)
* Use Cases
* Studying the existing documents
* Prototyping
* JAD

**Requirement Gathering and Analysis, BRD Creation**

* BPMN
* Process flows- AS IS TO BE / Swimlanes
* Introduction to BRD
* FSD discussion, functional vs non-functional requirements with sample
* Elements of BRD discussion
* How to document requirements (Intro to BRD)

**Wireframes/Prototypes/Mockup Screen**

* Prototyping Tool Introduction
* Creating Screen flows

**Creating Effective Use Cases**

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

**UML Methodology**

* Activity Diagrams
* Use Case Diagrams
* Communication Diagrams
* Interaction Diagrams
* Collaboration Diagrams
* Class Diagrams
* Sequence Diagrams

**Project Documentation and Management**

* Business Requirement Document
* High Level Requirements Document
* Low Level Requirements Document
* Software Requirements Specification Document
* Change Request Document
* Requirement Traceability Matrix
* Effort Estimations
* Minutes Of Meeting
* Proof Of Concept
* Request For Proposal
* Use Case Document

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| **Requirement Gathering and Elicitation for a project in SCRUM**   * Detailed discussion on Agile, Scrum, Sprint * Detailed Discussion on Scrum Team, SCRUM Master, Product Owner responsibilities * Story Boarding, SCRUM Planning, Sprint Planning, Story Grooming * All the three elements of Scrum: Roles ,Artifacts and Meeting * Writing User Stories, Themes, Epics, Tasks and Acceptance Criteria * Burndown chart and Velocity   **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 |   **Guidance on Resume Preparation and Mock Interview**   |  | | --- | | * Resume Preparation Guidelines and Tips | | * Mock Interviews and Interview Preparation Tips | |
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