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| |  |  | | --- | --- | | Module 1. | Introduction to Business Analysis | | Module 2. | Understanding and Capturing business needs | | Module 3. | Requirement Analysis Process | | Module 4. | Creating Requirement gathering strategy | | Module 5. | Modeling Data and Processes | | Module 6. | UML Methodology | | Module 7. | Creating Effective Use Cases | | Module 8. | Business Analysis Tools | | Module 9. | Requirement Gathering, Business Modeling & Analysis Tools – MS Visio | | Module 10. | Project Documentation and Management | | Module 11. | Software Testing | | Module 12. | Requirement Gathering, Analysis and BRD creation | |
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| |  |  | | --- | --- | |  |  | | All these modules are covered with notes |  | |  |  |  * And shared with the student once the topic is completed. * Attendees will be assigned with assignments at the end of each class. |
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**Topics Covered**

**Introduction to Business Analysis**

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| 1. | Introduction to Business Analysis |
| 2. | Business Composition and Architecture |
| 3. | Roles and Responsibilities of a Business Analyst |
| 4. | Need for a Business Analyst |
| 5. | Project Team |
| 6. | Importance of a Business Analyst in the Project Team |
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  **Software Development Life Cycle (SDLC)**

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| 1. | Understanding Concept of Business Modeling |
| 2. | Requirement Gathering |
| 3. | Analysis |
| 4. | Coding |
| 5. | Testing |
| 6. | Deployment |

 

**SDLC Methodologies:**

1. Waterfall Model
2. Prototype
3. RUP
4. Spiral
5. V-Model
6. Agile
7. SCRUM

**Understanding and Capturing business needs**

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| 1. | Setting up priorities |
| 2. | Feasibility studies |
| 3. | Project scope |
| 4. | Business case |
| 5. | Risk assessment |
| 6. | Evaluating and selecting an initiative |
| 7. | Setting up future vision |

**Requirement Analysis Process**

1. Identify Key Stakeholders
2. Gather Stakeholder requirements
3. Categorize Requirements
4. Interpret and Record Requirements
5. Signoff

**Requirement Gathering Techniques**

1. Brainstorming
2. Focus Group Interviews
3. Questionnaire(Survey)
4. Observation(Client and Client Customer)
5. Use Cases
6. Studying the existing documents
7. Prototyping
8. JAD

**Requirement Documentation**

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

K245: Requirement Gathering Document used only by **American Express**

**UML**

**(MS Visio and Wireframing Tools)**

1. Activity Diagrams
2. Use Case Diagrams
3. Communication Diagrams
4. Interaction Diagrams
5. Collaboration Diagrams
6. Class Diagrams
7. Sequence Diagrams
8. Wireframing

**Software Testing**

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| 1. | Introduction to QA Methodology |
| 2. | Role of BA in Testing |
| 3. | Creating Test Plans |
| 4. | Creating Test Cases |
| 5. | Different Testing Methods |
| 6. | Functional and Regression testing |
| 7. | White Box and Black Box Testing |
| 8. | Positive and Negative Testing |
| 9. | GUI and Unit Testing |
| 10. | User Acceptance Testing |

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| **Attendees also learn:** |
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| |  |  | | --- | --- | | 1. | Resume Preparation Guidelines and Tips | | 2. | Mock Interviews and Interview Preparation Tips | |