

## **Business Analyst Course Content**

### **Course Description:**

Advanced Business Analyst (BA) has a major role in filling the gap between IT and Business with the advanced data analysis techniques, necessary requirements for the growth of the company and giving the best solutions for the business executive and stakeholders. Business Analyst is one of the most important roles in IT industries to perceive the future for many businesses to stay in this competitive global IT market. Business Analyst gives better business ideas and capabilities, creates valuable changes and boosts the business processes.

Hachion Advanced Business Analyst online course is curated by professional experts. The main aim of the course is to provide the best professional knowledge in business analyst skills. The course is well designed with the best methodologies and in-depth explanations. Entry-level, mid-level BA aspirants can excel with these Advanced Business Analyst concepts to have a strong career in Business, Banking, Healthcare, Finance, and IT domains. BA course is providing you the best business analysis tools and methods in an easy learning way.

### **Course Content:**

#### **Introduction**

- Introduction to IT Business Dynamics
- Introduction to Management Dynamics
- Overview of SDLC - Software Development process
- Why Business Analyst is critical for a Project?
- Introduction to types of Requirements
- Typical questions to be asked for the business team while gathering requirements
- Change management
- Feasibility Analysis/ Risk Analysis
- Configuration management
- Processes to be followed to gather requirements
- Roles and Responsibilities of BA
- Skills required to perform BA role
- Deliverables of a BA

#### **Requirement Engineering, Development & Modelling**

- What is the Requirement Engineering?
- Different Requirement Engineering tasks
- Problems with Requirement practices
- Requirement management in real working projects - disciplines
- Enterprise & gap analysis techniques - RCA, SWOT, FISHBONE, McKinsey 7S Framework, Nadler Tushman Model
- Requirement document template

### **Requirement Prioritization**

- Why Prioritize Requirements?
- Factors to consider while Prioritizing Requirements
- Participants of Requirement Prioritization
- The process to follow while Prioritizing Requirements
- Requirement Prioritization model

### **SDLC Models**

- What is a Software project?
- Models of SDLC
- Waterfall model
- Agile model
- Scrum
- RAD
- Spiral
- Prototype model
- How as a BA get involved in different phases of SDLC?

### **Business Documents**

- Overview of Documentation
- Overview of BRD Document - post mortem, workshop and assignment
- Overview of FS Document - post mortem, workshop and assignment
- Overview of SRS Document - post mortem, workshop and assignment
- Overview of Business Rules Document - post mortem, workshop and assignment
- Overview of Data Mapping Document - post mortem, workshop and assignment
- Overview of Use Case - post mortem, workshop and assignment

### **Requirement Management Tools & Traceability Matrix**

- Overview of RM Tools - Jira, HP Quality Center, Trace Cloud
- Tools Vs. SDLC models
- Working with RM Tools - Requirement creation & Management
- Requirement mapping & Traceability creation, review

### **System Quality Attributes**

- What are System Quality Attributes?
- What are the various SQA?
- Non-functional requirements
- What are the non-functional requirements?
- What is the significance of non-functional requirements?
- How the non-functional requirements are gathered?
- Non-functional requirements document template?

### **Flow Chart**

- UML diagrams (class, state, interaction, etc.)
- What is a Flowchart diagram?
- Different symbols used in a Flowchart diagram
- How the Flowchart diagram is used in a software project?
- How Flowchart diagrams can be drawn using Microsoft Visio?
- Real-life example of a Flowchart diagram

### **UML**

- What is UML?
- The significance of UML diagrams
- UML diagrams (activity, use case)

### **Wireframes or Mock-ups**

- What is Wireframe?
- Why is Wireframe used?
- How a Wireframe can be drawn using Microsoft Visio?
- An example Wireframe

### **Software Development Methodologies**

- What are the various Software Development Methodologies?
- Pros and cons of each of the Methodologies
- How as a BA we get involved in the different Methodologies?
- Which are the most popular Methodologies?
- A detailed discussion of agile Methodology

### **Testing**

- In-depth concepts of software Testing
- Different types of Testing
- Difference between manual and automation Testing
- Various levels of software Testing
- Testing artifacts
- Step by step process of software Testing
- Test case document
- A real-life example of a Test case document
- Role of a BA during Testing

### **Data Modeling and Database Management system**

- What is Data Modeling?
- What are the entity and attributes?
- What are the relationships?
- What is ERD?

- Basic concepts of Database management systems
- SQL Server 2012 important concepts for BA

### Functional and Domain Sessions

- HIPPA
- BASEL, 2
- HL7
- USA HEALTHCARE INDUSTRY STANDARDS
- INSURANCE
- RETAIL
- BANKING
- FINANCIAL

- **Description About Domain:**

Loan origination (Mention all the list of vendors e.g. Mysis, LIS, FIS - Fidelity Information Services, Fiserv, Credit Check - Freddie Mac Risk Indicator Modules, FICA, Experian, Mention the workflow process of the enterprise applications, etc.).

Financial Services - use case of fixed income, face values, issue dates, how the calculation works, NPV, IRR – calculations

### Online Banking

- Application Platform
- OLB Platform - Account Summary, eBanking, Enrollment, Activation
- Money Movement - Bill Pay, P2P, Transfers, Payments
- Vendors - Mysis, Corellian Voyager, Fiserv
- Core Banking - use default
- Mobile banking - MEAP
- Vendors: Fiserv Mobility (US Bank), Kony (Capital One), ClairMail (M&TBank), SAP Sybase

### Health Care EDI

- Health Care - ICD 10, ICD 11, PPO, PMO, HIPPA
- EDI - 270, 271 Transactions

### Health Care Insurance

#### **Projects Walkthrough on below Domains**

- Life Insurance - lab, underwriting, actuary, agents, customer - T&C - policy
- Introduction to Healthcare
- Industry standards
- Transactions
- HIPAA and non-HIPAA EDI standards
- Terminologies
- Transactions in details
- 270-271, 276-277, 837, 835, 278, 275 transaction in details

- Crosswalks and clearinghouse concepts
- Trading partner concepts in Health care
- HIPAA , CCR & CCD
- Communication through web service, XML
- Assignment for building transactions using standards
- Claims processing in details with steps and exercise
- Claims processing systems and use cases
- Crosswalks and Government business like CMS Medicare and FEP
- Clinical and Care management
- Health Insurance
- Banking
- Insurance
- HealthCare
- FMCG

### **Conclusion**

- Certification Guidance and support on IIBA syllabus
- Hundreds of IIBA questions & answers
- Common BA questions asked in an interview
- How to answer the interview questions
- Mock Interview
- Blog Support