

# Aceindus IT Training

## **Business Analyst**

### **Business Analyst with Data Modelling Course Curriculum**

This course aims to provide participants with the solid experience and know-how to Work as Business Analyst in various domains like Banking, HealthCare, Finance, Product. This course has been developed for real-world scenarios with in-depth explanations .IIBA certification guidance.

### **Who is Business Analyst?**

Business Analyst is a new-economy job in a company that acts as a liaison between business people who have a business problem and technology people who know how to create automated solutions.

Business Analysts are responsible for identifying business needs, requirements development and requirements management. Specifically, the Business Analyst elicits, analyzes, validates and documents business, organizational and/or operational requirements.

The Business Analyst is a key facilitator within an organization, acting as a bridge between the client, stakeholders and the solutions team.

What is Business Analysis?

Business Analysis is the set of tasks and techniques used to work as a liaison among stakeholders in order to understand the structure, policies and operations of an organization, and recommend solutions that enables the organization to achieve its goals.

Many business analysts often perform several of these roles, and therefore this position is best filled by an individual with a broad skill set.

Business analysis is distinct from financial analysis, project management, quality assurance, organizational development, testing, training, and documentation development. However, depending on the organization, a business analysis professional may perform some or all of these related functions.

The skills associated with business analysis are one of the hottest priorities for IT human resource investment. Learn what the Business Analyst position is, why it's important and how Business Analysis training from “ME” can help you to build the "Skills Bridge" to cross the chasm between Business and IT.

This training will help you to become a successful Business Analyst irrespective of your working domain.

## **Course Content:**

### **Introduction**

Importance of BA in the industry  
Roles and Responsibilities of BA  
Skills required for the role  
Deliverables of a BA  
How is the current market for BA

### **Requirement Engineering**

What is Requirement Engineering  
Types of Requirements  
Problems with Requirement Practices  
Business Analysis Disciplines  
Business Analysis Techniques  
--PESTEL, SWOT, HEPTALYSIS, MOST, SCRS, MOSCOW etc...  
Different Requirement Engineering Tasks  
Processes to be followed to gather requirements  
Typical questions to be asked to the business team while gathering requirements  
Change management  
Feasibility Analysis /Risk Analysis  
Configuration management  
Requirement Document Template

### **Requirement Prioritization**

Factors to consider while prioritizing requirements • Why to prioritize requirements  
Participants of Requirement Prioritization  
Process to follow while prioritizing requirements  
Requirement Prioritization Model

### **SDLC**

What is a Software project  
What is SDLC  
Different phases of SDLC  
Models of SDLC  
Waterfall Model  
Agile Model  
Scrum  
DSDM  
RAD  
Spiral  
Prototype Model  
scrum  
How as a BA we get involved in different phases of SDLC  
-----Project --

### **Business Documents:**

System Requirement Specification

What is a SRS document

What are the various sections of SRS document

How a SRS document is prepared

SRS document template

Banking SRS,Healthcare SRS,ERP SRS,Airline SRS..etc..

FRD

MRD

PRD

### **Use Cases**

What is a Use Case

Different sections of a use case document

How to prepare a use case document

Use Case Templates

Real life example of a use case document

Assignment on Use Case document

### **Requirement Traceability Matrix**

Purpose of Traceability

Significance of Traceability

What is RTM

Why it is use

How traceability matrix is use to do Gap Analysis

### **System Quality Attributes**

What are System Quality Attributes

What are the various SQA

UML Diagrams(class,state,interaction etc..)

### **Non Functional Requirements**

What are 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**

What is flow chart diagram

Different symbols used in a Flow chart diagram

How flow chart diagram is used in a software project

How flow chart diagrams can be draws using Microsoft Visio

Real life example of a flow chart diagram

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

What is a 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  
Detail discussion on 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  
Real life example of a test case document  
Role of a BA during testing

## **Project Management concepts**

Roles and responsibilities of a project manager  
What can be the involvement of BA in Project Planning

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

What is data modeling  
What is entity and attributes  
What are relationships  
What is ERD  
Basic concepts of Database management systems  
SQL Server 2012 imp concepts for BA

## **UML**

What is UML  
Why it is used  
UML Diagrams (Activity, Use Case)  
Domain  
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 work flow process on the enterprise applications etc).

financial Services - use case on Fixed Income, face values, issue dates, how calculation works,  
NPV, IRR - calculations

Online banking -

\* Application Platform

\* OLB Platform - Account Summary, eBanking, Enrollment, Activation  
Money Movement - Bill Pay, P2P, Transfers, Payments  
Vendors - Misys, Corelian Voyager, Fiserv

Core Banking - use default

Mobile banking - MEAP

Vendors: Fiserv Mobility (USBank), Kony (Capital ONE), ClairMail (M&TBank), SAP Sybase  
( )

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

Insurance -

Life Insurance - Lab, Underwriting, Auctuary, Agenets, Customer - T&C - Policy Issued  
Health Insurance

### **Projects:**

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

Ace Indus Tech-Sol India Pvt. Ltd,  
Plot # 21, Flat #203, Techno Residency,  
Opp: Mind Space (Raheja IT Park), Madhapur,  
Hyderabad, TS-500081, India