

Website: [www.dw-learnwell.com](http://www.dw-learnwell.com)

Contact: +91 8411002339/+91 7709292162

Email: [info@dw-learnwell.com](mailto:info@dw-learnwell.com)

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## Business Analyst Syllabus

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### ➤ Introduction:

- Introduction to Business Analysis
- BA responsibilities and skills
- Role of domain knowledge in BA

### ➤ Behavioral Competencies needed

- PPTs on:
  - Analytical/Creative Thinking
  - Problem Solving
  - System Thinking
  - Communication Skills
  - Ethics
  - Other competencies listed in BABOK book.
  - All competencies would be elaborated during the course of case studies.
- Introduction to Case Study and Start of Case study approach of analyzing a situation
  - How to read and approach a case study.
  - Understand where each of the Behavioral competencies need to be applied
  - Understand project and organizational culture and issues before going to Project requirements.

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### ➤ Business Analysis Planning & Monitoring

- Overview (PPT Slides)
- Case Study based approach discussion on
  - All aspects of Business Analysis Planning & Monitoring
  - Software Development Life Cycle (SDLC)
  - Service Level agreement (SLA)
  - Software Cost Estimation
- 10 min 10 Q&A

### ➤ Enterprise Analysis

- Overview (PPT slides)
- Case Study based approach to
  - Define Business Need
  - Assess Capability Gaps
  - Solution Approach
  - Solution Scope
  - Define Business case
- 10 min 10 Q&A

### ➤ Requirements Management & Communication

- Overview (PPT slides)
- Case Study based approach to

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- Solution Scope Management
- Requirements traceability
- Requirement Communication
- 10 min 10 Q&A
- Elicitation
  - Overview (PPT slides)
  - Role play
  - 10 min 10 Q&A
- Requirements Analysis
  - Overview (PPT slides)
  - Case Study based approach to
    - Requirement Prioritisation
    - Assumptions
    - Requirement verification
  - Focus on UML, Data flow techniques and others
  - 10 min 10 Q&A
- Solution Assessment & Validation
  - Overview (PPT slides)
  - Case Study based approach to understand SAV
  - 10 min 10 Q&A

## Business Analyst Syllabus

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### ➤ Summary Cases

- Domain competency Case study
- System consulting case study
- Pre sales and interface with BD case study (RFI/RFP)

### ➤ Interview preparation

In addition to the functional skills gained above, selected Technical skills will be covered. In Business intelligence technical skills Data warehousing Concepts are main aspects.

## Data warehousing Syllabus

- Evolution of Datawarehousing - History
  - The need of Datawarehousing
  - Why Datawarehousing
  - What is Datawarehousing – The Definition
    - Subject -Oriented
    - Integrated
    - Non – Volatile
    - Time Varying
  - Datawarehousing Architecture
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## Business Analyst Syllabus

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- Data Source Layer
- Data Extraction Layer
- Staging Layer
- ETL Layer
- Data Storage Layer
- Data Logic Layer
- Data Presentation Layer
- Metadata Layer
- System Operation Layer
- Dimension table
- Fact table
  - Additive Facts
  - Semi Additive Facts
  - Non – Additive Fact
  - Cumulative
  - Snapshot
- Attribute
- Hierarchy
- Types of Schema

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- Star Schema
- Snow Flake Schema
- Fact Constellation Schema
- Slow Changing Dimension
  - SCD1 – Advantages/ Disadvantages
  - SCD2 – Advantages/ Disadvantages
  - SCD3 – Advantages/ Disadvantages
- OLAP and OLTP
  - Difference between OLAP and OLTP
  - Types Of OLAP
    - Multi-Dimensional (MOLAP)
    - Relational(ROLAP)
    - Hybrid(HOLAP)