



## BUSINESS SYSTEM ANALYST TRAINING BY NTElegence Training LLC.

### Business Analysis Course Curriculum

#### 1. Introduction and Fundamentals

- Business Analyst – Who, What, Why?
- BA – qualities, skills, roles, responsibilities
- BA – Fundamentals

#### 2. BA – Knowledge Areas

- Software Development Life Cycle
- Methodologies – Waterfall, Agile, Scrum, RUP

#### 3. Requirement Process, Planning & Management

- What are requirements?
- Characteristics of Requirements
- Types of Requirements
- Functional & Non-Functional Requirements
- The Requirements Process
- Planning & Managing Requirements

#### 4. Requirements Elicitation

- Principles / Constraints / Techniques
- JAD – Joint Application Development
- Data Analysis
- Creating Models, Scenarios
- Interviewing
- Brainstorming
- Reverse Engineering
- Prototyping

#### 6. Requirements Analysis

- RTM - Requirements Traceability Matrix
- Change Management
- Requirements Risk Management
- Gap Analysis
- Impact Analysis

#### 7. Requirements Specifications

- Writing Functional Specifications Document

## 8. UML

- UML 2.0 – working with use case diagrams, activity diagrams, knowledge on class, object, state,
- Working with UML tools
- Working with UI tools

## Data Analyst Course Curriculum

### 1. SQL Foundation

- Background on SQL
- Basic SELECT-FROM-WHERE statements
- SQL clauses, Math Operations and complex conditions in WHERE clause
- Pattern matching in the WHERE clause
- NULL values
- JOIN operations
- Grouping and aggregations (Having & Order BY clauses)
- Subqueries & MORE

### 2. Data Modeling

- How data models are used in practice
- Overview of Entity Relationships(ER) and its significance to data modeling
- How to create an Entity Relationship Diagram (ERD)
- Normalization to reduce data redundancy
- DE normalize to improve performance

### 3. Data Migration

- Importing and Exporting Data from SQL Server (RDBMS) to Excel, flat files etc.
- Creating Extraction Transformation Load (ETL) package in SSIS
- Writing SQL Queries to migrate data from one platform to another
- Using Migration Assistant Tool to migrate from other RDBMS platforms into SQL Server

### 4. Report Writing

- Translation of requirements into SQL driven reports
- Create Charts and Graphs in Excel using Pivot tables
- Querying data from SQL Server and displaying in Excel
- Dashboard creation in SharePoint using SQL Server Reporting Services (SSRS), Performance Point and Excel Services.

**PLUS+**

SQL Server Administration skills

Application Development on SharePoint

## Our Difference

- **Project Oriented Training Methodology**
- **Training by real-time industry experts**
- **Interactive Sessions**
- **Technical labs with industry tools utilization\***
- **SQL/Database Skills**
- **Exposure to SharePoint Application platform**
- **Example Case Studies**
- **Access to BA tools like Visio, Jira, Balsamiq**
- **Help with resume services, interview tips, soft skills, etc.**

