Course Design Document – ANSI SQL

1. About the Document:

This design document specifies all the decisions made about the course up to this time, including:

- Purpose of the course
- Intended outcome of the course
- Audience description
- Delivery method(s)
- What to train
  - High-level outline
  - Detailed lesson outlines
- Objectives of each lesson
- Assessments/exercises for each task

2. Purpose of the Design Document:

The purpose of the design document is to obtain agreement with all stakeholders about the vision and plan for the course. These parties include:

- Internal clients (BU SMEs) and reviewers
- Team members (iLD) working on the course
- External clients, if any

3. Sign-off:

At this point, obtaining a sign-off on the design document is important in ensuring agreement on the plan. Once an agreement is secured from key stakeholders work on developing the course materials can begin.

An approved course design document is required to release a course as an official curriculum

Key stakeholders for Design sign-off

- Designated Leader from BU (for BU-developed courses)
- Head of iLD

Contents of a Design Document

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Purpose of the Course:

SQL is one of the most in-demand skills for business analysts, data scientists, and anyone who finds themselves working with data. Associates will learn how to read and write complex queries to a database, perform data analysis, learn to perform multiple functions like GROUP

BY, Joins, Having etc. The course also allows the associate to learn how to slice the database in order to have different types of views.

Audience Description:

The course is set for all entry-level associates at Intellect. The course is appropriate for associates who begin their career here at Intellect.

Course Objectives:

During this course, the learner will:

- Learn how to read and write complex queries to a database
- Understand how to perform data analysis
- Learn to perform multiple functions like GROUP BY, Joins, Having etc

Learning Assessment:

There are assessments included as part of the final assessment after the training completion

Instructional Strategies:

This is an instructor-led in-person/virtual course with multiple illustrations. The following methods will be employed at various places in the course:

- Cases are taken as illustrations
- Facilitator-led discussion
- Common illustration discussions

Media:

The course will utilize the following media

- Slide Presentation/Images/platforms to run scripts

Duration:

This course is divided into 9 blocks, taking approximately 18 hours in total.

- Pre-Training Activity: There is no pre-training activity
- Post-Training Activity: There is no pre-training activity

Course Scope:

The course contains **9** lessons. The lesson brief is given below:

Lesson	Topic List	Delivery Method	Duration	Practice check Method	Annexure

1	The different types of databases and their origin	Trainer-led session	120 minutes	NA	NA
2	Different categories of commands	Trainer-led session	60 minutes	NA	NA
3	DDL, DML, DQL, TCL, DCL	Trainer-led session	240 minutes	NA	NA
4	Different types of functions	Trainer-led session	60 minutes	NA	NA
5	String, Date and Time, Numeric function	Trainer-led session	120 minutes	NA	NA
6	Joins	Trainer-led session	180 minutes	NA	NA
7	GROUP BY, Having	Trainer-led session	120 minutes	NA	NA
8	Sub-queries	Trainer-led session	120 minutes	NA	NA
9	Views and Indices	Trainer-led session	60 minutes	NA	NA

Activities Conducted:

Activity #	Activity	Objective	Duration	Annexure
NA	NA	NA	NA	NA

Development Tools

The course was prepared in PPT and edited with video editing tools.

Ownership

The design and development of the course is by iLD Team - Intellect

Course approved by Dr. Vinay Menon – SVP iLD

Course revision from time to time by Ashok T - VP iLD

Approved facilitator:

Development Time

30 man-days (for course creation and editing as per guidelines)

Support Requirements

The course was developed completely by iLD Team - Intellect

Course Sign-off

Approved by:

Date:

Place:

Annexure

Not applicable