Course Design Document

Course Code	
Course Name	Oracle - SQL

Duration (in days)	1	Proficiency Level	Fundamental
Pre-requisites	RDBMS	Target Audience	Campus Hires

Learning Outcome

At the end of the program, participants will learn

- Write SQL code based on ANSI/ISO standards to build and maintain database structures
- Update database content with SQL and transaction handling
- Retrieve data from single or multiple tables
- Process data with row and aggregate functions
- Manipulate data with correlated and noncorrelated subqueries
- Apply views to break down problems and enhance security

Day-wise Session Plan

Day	Unit	Objective(s)	Hours
1	Introduction to SQL	- Setting up your Oracle environment - Basic terminology - Explain the basic DDL, DML commands - Reading data using a SELECT statement - What can be done using a SELECT statement? - Functions - Data types - Joins, set operators, subqueries - Inserting, updating and deleting data - Creating tables - Creating Views	4
2	Advanced SQL queries	- Multi-Table Database Architecture - SQL Joins and Multi-table Operations - Subqueries in details - Aggregate and Non-Aggregate Functions using Oracle SQL	4
		Total	8