Course Design Document

Course Code	
Course Name	SQL with MySQL

Duration (in days)	02	Proficiency Level	Fundamentals
Pre-requisites	None	Target Audience	Interns

Learning Outcome

At the end of the program, participants will be able to learn:

- Introduction to SQL and Database Connection
- DDL & DML Commands
- Query Multiple Tables
- Functions & Subqueries in SQL

Day-wise Session Plan

Day	Unit	Objective(s)	Hours
1	Introduction to SQL and Database Connection	• Introduction to Database, SQL and MySQL • SQL Commands • Launch MySQL Workbench • Connect to MySQL Server • Creating a new Database • Data Types • Constraints	4
1	DDL & DML Commands	• DDL Commands • DML Commands • Describe Table • Alter Table • Modify and Drop Clause • Data manipulation	4
2	Query Multiple Tables	• Introduction to joins • Types of joins • Inner Join • Left Outer Join • Right Outer Join • Full outer Join • ANSI Join Syntax • Self-Join • Equi and non-equi Join	4
2	Functions & Subqueries in SQL	• String Functions • Numeric Functions • Date Functions • Aggregate Functions • Generate Groups • SQL subqueries • Correlated & Non-correlated Subqueries	4
		Total	16