**SQL ROADMAP**

**DAY 1-5 INTRODUCTION TO DATABASE DESIGN AND SETTING UP MYSQL**

DAY 1-2 DATA WAREHOUSE, STRUCTURE OF DATA WAREHOUSE

DAY 3-4 OLAP VS OLTP, ERD, STARSCHEMA

DAY 5 Constraints (Entity, Referential, Semantic) and SETTING UP SQL WORKBENCH

**DAY 6-12 QUERYING IN MYSQL**

Day 6-7 DDL, DML, AGGREGRATE FUNCTIONS, ORDERING

Day 8-10 String and Date Time functions, Regular expressions, Nested Query,

Day 10-12 CTE’s and Views

**DAY 13-21 ADVANCED SQL**

Day 13-14 Sets and Joins operations, Joins VS Nested Query

Day 15- 17 Window functions – Rank, Partition, Frames and named, Lead and Lag functions

Day 18-21 Case Statements, UDF, Stored Procedures and Cursors

**DAY 22-25 Query Optimization**

Day 22-24 Best Practices, Indexing and Ordering

Day 25 Clustered Vs Non-Clustered Indexing

**DAY 26-30 Case Study and Project Deployments**

Day 26-27 Problem solving approaches with different Case Study

Day 28 Sample Case Study

Day 29-30 Major Case Study and way for deployment