**SQL LaunchPad  2hr**

Exploring the Data Universe

SQL Setup and Basics

Mastering SELECT Statements

Sorting Query Results

Result Control with LIMIT and OFFSET

**Crafting SQL Databases  2hr**

Blueprinting Database Structures

Data Quality and Speed: Keys and Indexing

 Navigating Database Relationships

Normalization and Denormalization Strategies

**Advanced Querying  2hr**

Crunching Numbers with SQL

Discovering SQL Trends

Subqueries for Smarter Data Access

Connecting Data for Better Insights

**Mastering Data Control  2hr**

SQL's Data Addition Tool : INSERT

Data Maintenance with UPDATE

SQL Cleanup Crew

Ensuring Data Integrity

Nulls Decoded

**Unlock the Built-Ins  2hr**

String Manipulation Magic

Mastering Dates and Times

Unlocking Math Prowess

Juggling Data Types

Big Data (2022)

**Introduction to Bigdata  2hr**

What is Bigdata

5V's of Bigdata

What is Bigdata Analytics

Need for Bigdata Analytics

Stages for Bigdata Analytics

Type of Bigdata Analytics

Application of Bigdata Analytics

Problems with Bigdata Analytics

Quiz

Assignment

**Hadoop Stack  2hr**

What is Hadoop

Hadoop Architecture

Hdfs Master-Slave Architecture

MapReduce

Working of Hadoop

Hadoop Ecosystem

Advantages & Disadvantages of Hadoop

Assignment

**Data Analysis with Pig and Hive  4hr**

Introduction of Pig

Feature of Pig

Component of Pig

Architecture of Pig

Data Model of Pig

Pig Commands

Introduction of Hive

Features of Hive

Component of Hive

Architecture of Hive

Data Model of Hive

Hive Commands

Assignment