

MODULE – TECHNICAL TRAINING

Database Management System (20 Hours.)

Topic	Subtopic
Introduction to DBMS -Database Systems Overview	Data Integrity and Constraints
	Entities and Relationships
	SQL Basics SQL Commands and Data Types
	Operators and Expressions
	DDL Statements Create and Drop Table
Alter Table	
DML Statements	
Inserting Data	Retrieving Data
	Updating Data
	Deleting Data
SQL Functions, Sorting & Grouping data	
Functions	Sorting Data
	Grouping Data
	Combining Data
Joins	Cartesian Product and Inner Join
	Self-Join
	Outer Join
Subquery Independent Subquery	Correlated Subquery
	Transactions
	Normalization Functional Dependency
	Normal Forms
	Performance Index
Best Practices for Query Writing	
NoSQL Databases	
Introduction to NoSQL	CAP Theorem
	Types of NoSQL Databases
	MongoDB

Scratch2Corporate...