MS SQL

This course contains basics of SQL using SQL Server.

Mode: Classroom

Duration: 24 hours

Technology - Microsoft SQL Server 2008

Course Outline:-

Level –Beginner

Prerequisite– NA

Introduction to Microsoft SQL server
- o Introductions
- o Sql server 2008 editions
- o Sql server 2008 requirements
- o Downloading sql software
- o Selecting installation options
- o Installing a named instance
- o Sql server installation center overview
- o Lunching SQL server management studio

Management Studio
- o Introduction
- o Working with queries

Keys and Constraints
- o Introduction
- o Primary Keys
- o Foreign Keys and Composite Keys
- o Understanding Constraints

Data Definition Language (DDL)
- o Creation of table
- o Modifying the structure of a table
- o Dropping a table
- o Working with different options

Data Manipulation Language (DML)
- o Inserting, updating & deleting operations
- o Operators, Built-in functions, grouping

Basic Queries

- o Introduction
- o SELECT...FROM
- o WHERE
- o GROUP BY
- o ORDER BY

Special Condition in Query
- o Introduction
- o Operators
- o Combining Conditions
- o IN
- o LIKE
- o BETWEEN
- o UNION
- o EXCEPT and INTERSECT

Working with Functions
- o Using Operators
- o ISNULL and COALESCE
- o Using Functions

Joins
- o Introduction to Joins
- o Inner join
- o Outer join
- o Cross joins
- o Unions

Working with Indexes
- o Introduction to indexes
- o Clustered & non clustered indexes
- o Creating, dropping indexes
- o Index Maintenance Concepts