



## MS SQL Server 2005 Curriculum

### **INTRODUCTION TO SQL SERVER 2005**

- INTRODUCTION TO SQL SERVER 2005
- CREATING DATABASES AND DATABASE FILES
- CREATING DATA TYPES AND TABLES
- OPERATORS AND FUNCTIONS
- JOINS
- CREATING AND TUNING INDEXES
- IMPLEMENTING DATA INTEGRITY
- IMPLEMENTING VIEWS
- T-SQL PROGRAMMING
- IMPLEMENTING STORED PROCEDURES
- IMPLEMENTING FUNCTIONS
- IMPLEMENTING TRIGGERS
- IMPLEMENTING MANAGED CODE IN THE DATABASE

### **INTRODUCTION TO SQL SERVER 2005**

- Introduction to SQL Server 2005
- SQL Server Management Studio
- SQLCMD
- Editions

### **CREATING DATABASES AND DATABASE FILES**

- Creating Databases
- Creating File groups
- Creating Schemas.

### **CREATING DATA TYPES AND TABLES**

- Creating Data Types
- Creating Tables
- Creating Partitioned Tables

### **OPERATORS AND FUNCTIONS**

- Arithmetic Operators
- Relational Operators
- Logical Operators
- TOP Operator
- OVER
- In-Built Functions

### **JOINS**

- Inner Join
- Left Outer Join
- Right Outer Join
- Full Outer Join
- Cross Join

## **CREATING AND TUNING INDEXES**

- Planning Indexes
- Creating Indexes
- Optimizing Indexes
- Creating XML Indexes

## **IMPLEMENTING DATA INTEGRITY**

- Data Integrity Overview
- Implementing Constraints
- Implementing Triggers

## **IMPLEMENTING VIEWS**

- Introduction to Views
- Creating and Managing Views
- Optimizing Performance by Using Views

## **T-SQL PROGRAMMING**

- Variables
- Programming Constructs

## **IMPLEMENTING STORED PROCEDURES**

- Implementing Stored Procedures
- Creating Parameterized Stored Procedures
- Create parameterized stored procedures
- Handle errors in a stored procedure

## **IMPLEMENTING FUNCTIONS**

- Creating Functions.
- Handling Errors
- Controlling Execution Context
- Implement Scalar Functions
- Create Table Valued Functions

## **IMPLEMENTATING TRIGGERS**

- INSERT triggers
- DELETE triggers
- UPDATE triggers
- INSTEAD OF triggers
- Recursive triggers
- DDL triggers