MS SQL SERVER COURSE CONTENT

INTRODUCTION TO DATA SOTRE

- Different ways of storing Data
    - Books and Papers
    - Data Files
    - Database

INTRODUCTION TO DBMS

- Understanding data storage in HDBMS
- Understanding data storage in NDBMS
- Introduction to RDBMS
- -Understanding Codd Rules
- -Understanding SEQUEL

INTRODUCTION TO SQL SERVER

- Data Definition Language
- Using Constraints
    - Not Null, Unique, Primary, Check
    - Referential Integrity and Self
    - Referential Integrity
    - Using Cascading Rules
    - Performing DML Operations
    - Writing queries using
    - Functions
    - Single Row and Group
    - Operators

Conditional, Logical and Set

- Clauses
- Where, Group By, Having and order By
- Sub-Queries
- Correlated Sub-Queries
- Join
- Transaction Control Language
- Creating tables from existing tables
- Managing Security with Data Control Language
    - User creation
    - Controlling the permission by Grant, Revoke and Deny
- Creating Views
- Understanding the Data Storage Architecture
- Creating Indexes
- Disadvantages of SQL and Introduction to PI/SQL
    -
    - Writing Programs using PL/SQL
    - Understanding Cursors
    - Types of Cursors

Introduction to Sub – Programs
Writing procedures

- Handling Errors in Procedures
- Transaction Management in Procedures
- Writing User –Defined Functions
- Disadvantages of Functions
- Writing Triggers
- Types of Triggers
- DML and DDL Triggers (SQL Server 2005)

- **Overview of new features in SQL Server 2005**
- **Using Reporting Services**
- Programming developing managed adding's for outlook

- Advantages VSTO
- VSTO 2005 SE
- Runtime component

ADDITIONAL NEEDED SERVICES IN WEB APPS (OPTIONAL)

- MSMQ in ASP.Net
- Its need in data transferring
- MSMQ – Its role in heterogeneous networks and systems
- Crystal Reports in ASP.Net

Designing Reports for Web Browsers