

CETPA INFOTECH PVT. LTD.

CURRICULUM FOR MSSQL SERVER

MODULE 1: SQL & TSQL

- Configuring of SQL SERVER 2008
- Hardware requirement for SERVER 2008
- Software requirement for SERVER 2008
- Introduction to RDBMS System Database
- E-R Diagrams
- Normalization
- Introduction to TSQL
- Select Command
- DDIs
- DMIs
- Sub-Queries
- Working with Tables
- Correlated Sub queries
- Transactions
- Constraints
- Views
- Stored Procedures
- Functions
- Triggers
- Cursors
- Indexes

MODULE 2: ADMIN & ARCHITECTURE

- Introduction to Admin & Architecture
- Memory Architecture
- Storage Architecture
- Database Creation
- Database Creation with wizard and & with T-SQL
- Up grading Database
- Migration of Database
- Introduction to Managing Filegroups
- Datafiles
- Logfiles
- Managing Logins & Users
- System Tables and Views & Linked Servers
- Using System Stored Procedure and DBCC Commands
- Import & Export
- Attach and Detach Databases
- BCP Command

MODULE 3: BACKUP AND RECOVERY, HIGH AVAILABILITY CONFIGURATION, DISASTER RECOVERY OPTIONS

- Introduction to Database Backup
- Partial Backup

- Full Backup
- Defrential Backup
- Data Encrypyion
- Managing Database Snapshots
- Jobs and Alerts
- Restoration and Recovery (with all Options)
- Managing Log Shipping (Wizard and scripting)
- Managing Database Mirroring (Wizard and scripting)
- Managing Replication

MODULE 4: OPTIMIZATION

- Introduction to Locking
- Dead Locks
- Transaction Isolation Levels
- Introduction to Tuning
- SQL Tuning
- Index tuning
- Performance Tuning Goals
- Tuning Methodology
- SQL Profiler
- Resourse Governer. Policy Management
- Introduction to Views
- Dynamic Management Views
- Instance Tuning
- I/O tuning
- OS Tuning

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