

**Course : Database Administration – SQL Server**  
**Duration : 87 hrs**

## **Training Outline:**

### **Module 1:**

#### **Database Administration using SQL Server**

- Introduction to SQL Server 2012
- Planning and Installing SQL Server 2012
- Installing SQL Server Related Services
- Configuring and Managing SQL Server Instances
- Configuring SQL Server 2012 Components
- Data Compression Techniques
- Migrating, Importing and Exporting
- SQL Server Logins, Roles and Users
- Securing SQL Server 2012
- Database Mirroring
- Database Replication
- Clustering and AlwaysOn
- Troubleshooting SQL Server 2012
- Indexes and Concurrency
- SQL Server Agent, Backup and Restore

### **Module 2:**

#### **Data Warehouse Implementation using SQL Server**

- Introduction to Data Warehousing
- Implementation of a Data Warehouse
- Develop SQL Server Integration Services (SSIS) Packages
- Design and Implement Control Flow Task
- Design and Implement Data Flow Task
- Enhancing Control Flow Task
- Enhancing Data Flow Task
- Preparing Package for Incremental Load
- Deploying SSIS Package
- Executing SSIS Package

- Securing SSIS Package
- Troubleshooting SSIS Package
- Implementation of Script Task and Custom Component in SSIS Package
- Cleansing of Data Using Data Quality Services (DQS)
- Implementing Master Data Services and Management Solutions
- Overview of Business Intelligence
- Consuming Data in a Data Warehouse

