

# Deccansoft Software Services

(A Microsoft Learning Partner)

## SSIS

### Module 1: Introduction to MSBI

In this module you will learn about MSBI Introduction that

- ❖ Understanding OLAP AND OLTP
- ❖ What is Data Warehouse
- ❖ What is BI
- ❖ Why BI
- ❖ What is MSBI
- ❖ Advantages of MSBI
- ❖ Advantages of MSBI over other BI systems
- ❖ What are the different Components of MSBI
- ❖ What is SQL Server Data Tools(SSDT)
- ❖ Tools and utilities for MSBI

### Module 2: Introduction to SSIS

In this chapter you will get very good knowledge on SSIS Introduction and how to use SSIS, How to create SSIS Project and Advanatges of SSIS that

- ❖ What is SSIS
- ❖ Why SSIS
- ❖ Advantages of SSIS
- ❖ How to Use SSIS
- ❖ What is SSIS Architecture
- ❖ Introduction to SSDT
- ❖ How to Create SSIS Project
- ❖ What is package designer
- ❖ How to use Package designer
- ❖ What is Toolbox in SSIS
- ❖ What is Properties Window
- ❖ What is Variable Window
- ❖ What is Connection Manager
- ❖ How to use Connection Manager
- ❖ Components of Integrated Service

- ❖ What is Import and Export Wizard
- ❖ How to use Import and Export Wizard

### **Module 3:Data Flow Task**

In this module you will learn clearly about Data Flow Task,what is Pipeline Architecture and how to connect to the particular data source,how to load the data from one file to another files that

- ❖ Introduction to Data Flow task
- ❖ What is Pipeline architecture
- ❖ What is Data Source and Destination
- ❖ How to Create Package using Data Flow Task
- ❖ Loading data from OLEDB Source to Flat File Destination
- ❖ What is Flat File
- ❖ Loading data from Flat File To Flat File
- ❖ Loading data from Flat File To excel Destination
- ❖ Loading data from Excel To OLEDB
- ❖ Loading data from Xml To SQL server
- ❖ What are the different Data types in SSIS
- ❖ What is variable in SSIS
- ❖ What are the Different Types of variables
- ❖ SSIS Functions
- ❖ What is Expression in SSIS
- ❖ How to use Expressions in SSIS

### **Module 4:Transformations**

In this module you will learn about what is transformation,where we will use transformation and different types of transformations that

- ❖ Introduction to Transformation
- ❖ What is Derived Column Transformation
- ❖ What is Data Conversion Transformation
- ❖ What is Sort Transformation
- ❖ How to use Union All Transformation
- ❖ What is Merge Transformation
- ❖ Why Conditional Split Transformation
- ❖ What is Aggregate Transformation
- ❖ What is Multicast and Merge Join Transformation
- ❖ What is Lookup Transformation

- ❖ Advantages of Cache Transformation
- ❖ What is Fuzzy Lookup and Fuzzy Grouping Transformations
- ❖ What is Term extraction and Term Lookup Transformation
- ❖ What is Percentage Sampling and Row Sampling Transformation
- ❖ What is Slowly Changing Dimensions Transformation
- ❖ What is Row Count Transformation Audit Transformation

### Module 5:Control Flow

In this chapter you will learn clearly about Control Flow that

- ❖ What is Control Flow
- ❖ Why Control Flow
- ❖ What is Precedence Constraints
- ❖ What are the different Types of Containers
- ❖ What is For Loop Container
- ❖ What is For each loop Container
- ❖ What is Sequence Container
- ❖ What is Task
- ❖ What are the Different types of Tasks
- ❖ What is File System task
- ❖ What is Script task
- ❖ What is Execute SQL task
- ❖ What is Execute Package Task
- ❖ What is Bulk Insert task
- ❖ What is Execute Process task
- ❖ What is Web Service task
- ❖ What is Data profiling Task and Backup database Task
- ❖ How to Copy or move the Database
- ❖ How to Create Dynamic Connections

### Module 6: Debugging

In this module you will learn clearly about the how to debug the project or package,how many ways we can do debugging and how to execute package or project that

- ❖ What is Debugging
- ❖ Why Debugging
- ❖ How many ways we can Debug the Package
- ❖ How to Execute Package Partially

- ❖ How to Debug the Control Flow Tasks
- ❖ What is Break Point
- ❖ How to use Break Point
- ❖ What is Data Viewer

### **Module 7 : Logging and Event Handling**

In this module you will get knowledge on Logging and Event Handling that

- ❖ What is Logging
- ❖ Advantages of Logging
- ❖ What is Log Provider
- ❖ What are the different types of approaches for dealing with logging are possible
- ❖ What is Event Handling
- ❖ Why Event Handling
- ❖ Advantages of Event Handlers
- ❖ How to Handle Events
- ❖ What are the different types of Events

### **Module 8:Robustness and Restartability**

In this module you will learn about configurations, what are the different types of configuration are present in SSIS and how to use configuration

- ❖ What is Configuration
- ❖ Why Configuration
- ❖ Advantages of Configuration
- ❖ What is Package Configuration
- ❖ How to use XML Package Configuration
- ❖ How to use SQL Server Configuration
- ❖ What is Parameters and how to use
- ❖ What is Transaction
- ❖ What is Check Point

### **Module 9: Deployment and Execution**

In this chapter you will learn about Deployment,how to deploy package and how to execute package,

Advantages of deployment that

- ❖ What is Deployment
- ❖ Why Deployment
- ❖ Advantages of Deployment

- ❖ What are the different ways to Deploy package
- ❖ What are the Different types of Deployment Models available in 2012
- ❖ What is Project Deployment
- ❖ How to Create Deployment utility
- ❖ How to deploy Package in Package Deployment Model using SSDT ,SSMS
- ❖ What is Protection Level Property
- ❖ What is Package Execution
- ❖ What are the different ways to Execute the Package
- ❖ How to Execute Package using SSMS