

WCF

- SOAP,WSDL(Brief knowledge of both)
- Service Contract
- Service Implementation
- Custom Service Host(either using Windows Services or Windows Activation Services(WAS))
- Create and implement Interface
- Adding a Service Reference
- Working with Data Contracts
 - Defining the required types in the XSD
- Building a Service with a Data Contract
 - Building a Custom Type
- Diagnostics
- Contracts
 - Data Contracts
 - Service Contracts
 - Message Contracts
- Error Handling
- Binding
- Hosting
 - Custom Hosting
 - WAS Hosting
- Clients
- Duplex Communication

WWF

- Activities
 - ✚ If Else Activity
 - ✚ Parallel Activity
 - ✚ CallExternalMethod Activity
 - ✚ Delay Activity
 - ✚ Listen Activity
 - ✚ Custom Activities
- Activity Validation
- Theme and Designers
- Custom Composite Activities
 - ✚ Adding a Designer
 - ✚ Attached Properties
- Workflows
 - ✚ Sequential Workflows
 - ✚ State Machine Workflows
 - ✚ Passing Parameters to a Workflow
 - ✚ Returning Result from a Workflow
 - ✚ Binding Parameters to Activities
- Workflow Services
 - ✚ The Persistence Service
 - ✚ The Tracking Service
 - ✚ Custom Service

- Integration with WCF
- Hosting Workflows

WPF

➤ Overview

 XAML

➤ Controls

 Simple Controls

 Content Controls

 Headered content Controls

 Item Controls

 Headered items Controls

➤ Layout

 StackPanel

 WrapPanel

 Canvas

 DockPanel

 Grid

➤ Styles, Templates, Resources

 Styles

 Resources

- System Resources
- Accessing Resources from Code
- Dynamic Resources

➤ Triggers

➤ Templates

ADVANCE WPF

- Binding with XAML
- Simple Object Binding
- Object Data Provider
- List Binding
 - ✚ Master Detail Binding
- Value Conversion
- Adding list Item Dynamically
- Data Templates
- Binding to XML
- Binding Validation
 - ✚ Handling Exception
 - ✚ Data Error Information
 - ✚ Custom Validation rules
- Command Bindings
- Animations
- Timeline
- Storyboard
- Adding 3-D Feature in WPF
- Triangle
 - ✚ Changing Lights
 - ✚ Adding Textures
 - ✚ 3-D Object
- Windows Forms Integration
 - ✚ WPF Controls Within Windows Forms
 - ✚ Windows Forms Controls Within WPF Applications

LINQ

- Filtering Result
- Grouping and Sorting Result
- Custom Query
- LINQ Join
- Paging Using LINQ
- LINQ to XML
 - ✚ Querying the XML Data Using LINQ
 - ✚ Mapping XML Element using LINQ
 - ✚ Joining XML Data using LINQ
 - ✚ XDocument rather than XmlReader
 - ✚ Validating XML with a LINQ XDocument against an XML Scheme

- LINQ to SQL
 - ✚ Querying Data From LINQ to SQL
 - ✚ Writing the LINQ To SQL query to the Output window
 - ✚ Grouping LINQ To SQL Data
 - ✚ Querying LINQ to SQL Data using View
 - ✚ Select data from Store Procedure
 - ✚ Insert, Update and Delete queries through LINQ