

ADVANCE ASP.NET COURSE CONTENT

Duration: 90 Hours

Prerequisite: C#

Our Strength

Shiva Sir

0731-4069788

Advance ASP.NET Syllabus

❖ LINQ

Introducing LINQ, Benefits of LINQ, Introducing LINQ to Objects, Query Syntax Style Options, How to Filter the Results (Where Clause), How to Change the Return Type (Select Projection), Grouping and Joining Data, How to Group Elements, How to Join with Data in Aggregation, Operators, Equality Operator Sequence, Equal Generation Operators- Generating, Sequences of Data Merging Operators, Partitioning Operators-Skipping and Taking, Elements Quantifier Operators-All Any, and Contains Summary Working with The HashSet Class. Extending LINQ to New Operator Writing a Sequence Operator, Writing an Aggregate Operator, Writing a Grouping Operator, Optional Parameters and Named Arguments Dynamic Typing LINQ Data Parallelism Writing Parallel, LINQ Operators WPF(Windows Presentation Foundation)

❖ WPF

WPF from Scratch, XAML Browser Applications (XBAPs), Content Models, Layout, Controls, Data Binding, Dependency Properties, Resources, Styles, Animation, Control Templates, Graphics 3D, 3D Applications and Settings, Application Lifetime, Application Deployment Settings

❖ Layout

Layout Basics, Stack Panel, Wrap Panel, Dock Panel, Grid, Canvas, View box Common Layout Properties, When Content Doesn't Fit, Scroll Viewer, Custom Layout

❖ Input

Routed Events, Mouse Input, Keyboard Input, Ink Input, Commands 1, Code-Based Input Handling Versus Triggers

❖ Controls

Buttons, Slider and Scroll Controls, Progress Bar, Text Controls, ToolTip, GroupBox and Expander, List Controls, Menus, Toolbars, GridSplitter

❖ Simple Data Binding

Without Data Binding, Data Binding, Debugging Data Binding

❖ Binding to List Data

Binding to List data, Data Source Providers, Master-Detail Binding, Hierarchical Binding

❖ Styles

Without Styles, Inline Styles, Named Styles, Element-Typed Styles, Data Templates and Styles, Triggers



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❖ **Control Templates**

Beyond Styles, Logical and Visual Trees, Data-Driven UI , Windows and Dialogs, Navigation, Graphics, Text and Flow Documents, Printing and XPS , Animation and Media, 3D Graphics

❖ **Silverlight**

Introduction to Silverlight, Building Application with Visual Studio, Building Application with Expression Blend 4, Working with the Navigation Framework, Controlling Layout with Panels, Working with Visual Controls, Accessing Data WCF RIA Services, Out-of- Browser Experiences, Networking Applications, Building Line of Business Applications, Application Architecture, DOM Interaction Securing Your Applications, Accessing Audio and Video Devices, Working with File I/O

❖ **WCF**

❖ **Introduction of WCF**

What is WCF ?, Address, Binding and Contract, WCF Services and Clients, IIS Hosting , WCF Architecture

❖ **Address and Bindings**

Address, Binding, Message Exchange Patterns, Configuring Bindings, Interoperating with ASMX Web Services, Hosting in a Console Application, Channel Factories, Multiple Endpoints

❖ **Service Contracts**

Defining Service Contracts, Defining Operation Contracts, Services With Multiple Contracts, Operation Overloading

❖ **Data Contracts**

Implementing Data Contracts, Mapping Data Contracts to XSD Schema, Serialization, Arrays and Generic Collections, Enums, Versioning Data Contracts

Note: Project is mandatory it will be completed by Current Faculty.

You can check Syllabus if any topic not covers then you can direct contact to management.

