



Schedule - Programming in ASP.Net using C#

Session #	Title	Details
Session 1	Overview of ASP.NET	.NET framework and ASP.NET, Features of ASP.NET, Common Language Runtime, Namespaces
Session 2	Introduction to IDE	Visual Studio IDE, Solution Explorer, Properties, Toolbox, Server Explorer
Session 3-4	Web Forms and Server Controls	Understanding web forms, ASP.NET page framework, Server Controls, Using HTML Controls, Using server side controls, Validation Controls, Navigating between Pages
Session 5	ADO.NET (Working with Database)	Overview of ADO.NET, Connection Object, Command Object, Data Readers, Data Sets & Data Adapters, Using SQLDataSource
Session 6	Page Life Cycle	Understanding Page Life Cycle
Session 7-8	Master pages	What are master pages, Simple Master Page, Nested Master Page, creating a master page, Master page events
Session 9	Themes	Purpose of themes, Applying look and feel using themes, skins for server controls, Applying theme (via Design and Code)
Session 11-13	State Management	Preserving State in Web Applications, Client Side/Server Side, Cookies, ASP.NET Session State, Application State
Session 14	Web User Controls	Purpose of web user controls, Creating User Controls, Reusing markup and code using web user controls, Setting properties of a user control from web form, Loading User Controls Dynamically
Session 15	Exception Handling	Exception Handling at Code level, Page level, Application level, Trace
Session 16-17	ASP.NET Web Services and WCF	Introduction to XML Web services, Creating Web Service, Setting the Web Service Attribute, Test and Run Your Web Service, Consuming a Web Service in Client Application, Introduction to WCF
Session 18	Uploading Files	Using FileUpload Control, Upload the Files, Restricting the type and size of the Files
Session 19-21	Performance improvement using Caching	Understanding caching, Types of caching, Working with output caching, Working with data caching, Understanding cache dependencies
Session 23-25	Security, Membership & Roles	Understanding authentication and authorization, Types of authentication, Role based security
Session 26-38	ASP.NET Ajax	Understanding Ajax, Using UpdatePanel for partial page rendering
Session 29-30	Configuration and Deployment	ASP.NET configuration system, Role of web.config, Internet Information Server (IIS)
Total Training Hrs		30