

# GETP

## .NET DEVELOPER

Chapters & Strategies	Topics	
1)	C#	
2)	Introduction to ASP.NET	<ul style="list-style-type: none"> <li>▪ From ASP to ASP.NET</li> <li>▪ Web Forms</li> <li>▪ Web Services</li> <li>▪ ASP.NET Features</li> </ul>
3)	Web Forms Architecture	<ul style="list-style-type: none"> <li>▪ Page Class</li> <li>▪ Web Forms Life Cycle</li> <li>▪ Web Forms Event Model</li> <li>▪ Code-Behind</li> </ul>
4)	ASP.NET and HTTP	<ul style="list-style-type: none"> <li>▪ Request/Response Programming</li> <li>▪ Http Request Class</li> <li>▪ HTTP Collections</li> <li>▪ Http Response Class</li> <li>▪ Redirection</li> <li>▪ Http Utility Class</li> </ul>
5)	Web Applications Using Visual Studio	<ul style="list-style-type: none"> <li>▪ Using Visual Web Developer</li> <li>▪ Visual Studio Forms Designer</li> <li>▪ Using Components</li> <li>▪ Shadow Copying</li> <li>▪ Using the Global.asax File</li> <li>▪ Data Binding</li> </ul>

6)	State Management and Web Applications	<ul style="list-style-type: none"> <li>▪ Session State</li> <li>▪ Application State</li> <li>▪ Multithreading Issues</li> <li>▪ Cookies</li> </ul>
7)	Server Controls	<ul style="list-style-type: none"> <li>▪ HTML Server Controls</li> <li>▪ Web Forms Server Controls</li> <li>▪ Rich Controls</li> <li>▪ Validation Controls</li> <li>▪ User Controls</li> </ul>
8)	Caching in ASP.NET	<ul style="list-style-type: none"> <li>▪ What Is Caching</li> <li>▪ Page-Level Caching</li> <li>▪ Page Fragment Caching</li> <li>▪ Optimizing Your ASP.NET Application</li> <li>▪ Application Caching</li> </ul>
9)	ASP.NET Configuration and Security Fundamentals	<ul style="list-style-type: none"> <li>▪ Configuration Overview</li> <li>▪ Authentication and Authorization</li> <li>▪ Forms Authentication</li> <li>▪ Windows Authentication</li> <li>▪ Security and ASP.NET</li> </ul>
10)	Debugging, Diagnostics and Error Handling	<ul style="list-style-type: none"> <li>▪ Debugging</li> <li>▪ Application Tracing</li> <li>▪ Page Tracing</li> <li>▪ Error Handling</li> </ul>
11)	More Server Controls	<ul style="list-style-type: none"> <li>▪ Most recent ASP.NET Controls</li> <li>▪ Menus</li> <li>▪ Master Pages</li> </ul>

12)	ADO.NET and LINQ	<ul style="list-style-type: none"> <li>▪ ADO.NET Overview</li> <li>▪ .NET Data Providers</li> <li>▪ Connections</li> <li>▪ Commands</li> <li>▪ Data Readers and Connected Access</li> <li>▪ Data Sets and Disconnected Access</li> <li>▪ Language Integrated Query</li> </ul>
13)	Data Access in ASP.NET	<ul style="list-style-type: none"> <li>▪ Data Source Controls</li> <li>▪ Connection String Storage</li> <li>▪ Grid View</li> <li>▪ Details View</li> <li>▪ Form View</li> <li>▪ Object Data Sources</li> <li>▪ List View</li> <li>▪ Data Pager</li> <li>▪ LinqDataSource</li> <li>▪ Command Field</li> <li>▪ Template Field</li> </ul>
14)	Personalization and Security	<ul style="list-style-type: none"> <li>▪ Configuration Overview</li> <li>▪ Themes</li> <li>▪ Skins</li> <li>▪ Security in ASP.NET</li> <li>▪</li> <li>▪ Login Controls</li> <li>▪ User Profiles</li> </ul>

15)	Introduction to ASP.NET AJAX	<ul style="list-style-type: none"> <li>▪ Rich Client Applications</li> <li>▪ AJAX</li> <li>▪ Script Manager</li> <li>▪ Update Panel</li> <li>▪ AJAX Client Library</li> <li>▪ Remote Method Calls</li> <li>▪ AJAX Control Toolkit</li> </ul>
16)	HTTP Pipeline	<ul style="list-style-type: none"> <li>▪ Pipeline Architecture</li> <li>▪ Context</li> <li>▪ Applications</li> <li>▪ Handlers</li> <li>▪ Modules</li> </ul>
17)	Silverlight & Wpf (Window Presentation Foundation)	building rich Windows applications
18)	Web Services Using C#	Communicate with other programs on similar or disparate computers transparently over the Internet.
19)	Windows Communication Foundation (WCF)	Windows Communication Foundation (WCF) is Microsoft's new framework for building distributed systems.
20)	ASP.NET MVC	<p>INTRODUCTION TO ASP.NET MVC</p> <ul style="list-style-type: none"> <li>▪ The role of the Model, View, and Controller</li> <li>▪ Key benefits of ASP.NET MVC</li> </ul>

21 )	GETTING STARTED WITH ASP.NET MVC	<ul style="list-style-type: none"> <li>▪ ASP.NET MVC project templates</li> <li>▪ Understanding the structure of an ASP.NET MVC project</li> <li>▪ Naming conventions</li> <li>▪ Creating views</li> <li>▪ Defining controllers</li> <li>▪ Defining a data model</li> </ul>
22 )	CREATING A COMPLETE ASP.NET MVC 4 APPLICATION	<ul style="list-style-type: none"> <li>▪ Creating strongly-typed views</li> <li>▪ Understanding URLs and action methods</li> <li>▪ Using HTML helpers</li> <li>▪ Handling form post-backs</li> <li>▪ Data validation</li> </ul>
23)	ASP.NET MVC & LINQ – WORKING WITH DATA	<ul style="list-style-type: none"> <li>▪ Language features used in LINQ</li> <li>▪ Creating simple LINQ queries</li> <li>▪ Using LINQ queries in a Web application;</li> <li>▪ Defining a data repository;</li> <li>▪ Using LINQ to define a data access component</li> </ul>
24)	ASP.NET MVC USING XML	<ul style="list-style-type: none"> <li>▪ Creating Image Gallery</li> </ul>
25 )	PROJECT	Project Working