

<b>Branch Name:</b>	IMCA
<b>Program Code:</b>	CS301
<b>Course Name:</b>	Web Development with ASP.NET Practical
<b>Course Code:</b>	1CS3010604P
<b>Pre-requisite Course:</b>	Knowledge of the C and C++ Language Logic and Concept and database SQL concepts

**Course Objectives:**

1. This course is intended to make the students aware of web programming concepts.
2. Students are expected to learn various terminologies related to web programming such as web servers, Server controls, web page life cycle, Ajax technology etc.
3. The course aims to make the students formulate a website using web programming.
4. To be able to create Web applications on the .Net Platform.
5. To be able to create Web applications involving data storage in SQL and My SQL Server database.
6. Learn to deploy the Web Application to the world via the .Net framework.

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture	Tutorial	Practical	Credit	Theory		Practical		Total
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
-	-	3	3	-	-	25	25	50

**LAB/ Practical:**

**Note:** The practical list provided is a part for reference only. The course t teacher may Change/formulate it as per his/her methodology and requirement.

LAB Practice Content
<ol style="list-style-type: none"> <li>1. Write an ASP.Net Program to Print a Message 'Hello Web Programming "on web form.</li> <li>2. Write an ASP.Net Program to create a simple web application using two or more web forms.</li> <li>3. Write an ASP.Net Program to implement Label and TextBox Control.</li> <li>4. Write an ASP.Net Program to implement Button, Image Button and Link Button Controls.</li> <li>5. Write an ASP.Net Program to implement Hyperlink Control.</li> <li>6. Write an ASP.Net Program to implement ListBox Control.</li> <li>7. Write an ASP.Net Program to implement Dropdown List Control.</li> <li>8. Write an ASP.Net Program to implement CheckBox Control.</li> <li>9. Write an ASP.Net Program to implement CheckBox List Control.</li> <li>10. Write an ASP.Net Program to implement Radio Button Control.</li> <li>11. Write an ASP.Net Program to implement Radio Button List Control.</li> <li>12. Write an ASP.Net Program to implement LAB Bulleted List Control.</li> <li>13. Write an ASP.Net Program to implement File Upload and Image Control.</li> <li>14. Write an ASP.Net Program to implement Table Control.</li> <li>15. Write an ASP.Net Program to implement Panel Control.</li> <li>16. Write an ASP.Net Program to implement Required Field Validator Control.</li> <li>17. Write an ASP.Net Program to implement Range Validator Control.</li> <li>18. Write an ASP.Net Program to implement Regular Expression Validator Control.</li> <li>19. Write a ASP.Net Program to implement Compare Validator Control.</li> <li>20. Write an ASP.Net Program to implement Custom Validator Control.</li> </ol>

21. Write an ASP.Net Program to implement Validation Summary Control.
22. Write a ASP.Net Program to implement Calendar Control.
23. Write a ASP.Net Program to implement AdRotator Control.
24. Write an ASP.Net Program to implement MultiView Control.
25. Write an ASP.Net Program to implement Menu Control.
26. Write an ASP.Net Program to implement TreeView Control.
27. Write an ASP.Net Program to implement SiteMapPath Control.
28. Write an ASP.Net Program to implement Update Panel Control.
29. Write an ASP.Net Program to implement Update Progress Control.
30. Write an ASP.Net Program to implement Timer Control.
31. Write an ASP.Net Program to implement View State.
32. Write an ASP.Net Program to implement Session State.
33. Write an ASP.Net Program to implement Application State.
34. Write an ASP.Net Program to implement Query String.
35. Write an ASP.Net Program to implement Cookies.
36. Write an ASP.Net Program to implement exception handling

**Textbooks:**

1. Enterprise Applications with C# and .NET @2023 By Malavasi Alexander.
2. Beginning ASP.NET 4.5 in C# in @2012 By Matthew McDonalds.

**Reference Books:**

**List of References:**

1. Beginning ASP.NET 4 in C# 2010 (Expert's Voice in .NET), By Matthew MacDonald (Author), Published by Apress.
2. C# 2010 Programming Black Book, By Kogent Learning Solutions Inc.
3. C# 4.0 The Complete Reference, By Herbert Schildt, Tata McGraw-Hill Publishing Company Limi

**Course Learning Outcomes (CLO): On completion of this course, the students will be able to:**

CLO	Description	Bloom's Taxonomy Level
CLO1	To understand the major tools, tools types with its properties, methods and events.	2 Understanding 3 Applying,
CLO2	To understand and implement Web Application Development environment software.	3 Applying, 6 Creating
CLO3	To have fundamental knowledge of SQL server and database concepts	2 Understanding,
CLO4	To design and develop websites using advanced web technology tools.	3 Applying, 6 Creating
CLO5	To understand and implement various types of web pages.	3 Applying,
CLO6	To understand the concept of Project development at server level.	6 Creating

**Mapping of CLO with Pos & PSOs**

Course Learning Outcomes	Program Outcomes (POs)												Program Specific Outcomes (PSOs)	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>CLO1</b>	L	H		H	H	M		M	L	M	H	H	L	
<b>CLO2</b>			M	H	M	L		H		H	M			M
<b>CLO3</b>		M	L	H	H	M	L	L		L	H	M		H
<b>CLO4</b>	L	L		M	M	L	M		M		M	L		M
<b>CLO5</b>		L	M		H		M		L		H	L	M	H
<b>CLO6</b>	L	M	M	H	M	M	H	H	H	H	M	M	H	H

**H: High, M: Medium, L: Low**