



C. U. Shah University, Wadhwan City
Faculty of Computer Science
Name of Program: Master of Science Information Technology
(Web Technology)
Semester : II
w.e.f. June-2014
Teaching & Evaluation Scheme

Sr. No	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester							
			Th	Tu	Pr	Total		Theory				Practical			Total Marks
								Sessional Exam		University Exam		Internal		Uni.	
								Mks	Hrs	Mks	Hrs	Pr	Case Study	Pr	
4	5CS02WVS2	Advanced .Net Technologies-II	4	-	-	4	4	30	1.5	70	3	-	-	-	100

Objectives: At the end of the syllabus, Student can develop a security enabled dynamic web site. He/she can also publish his/her web site.

Pre-requisites: Student should have knowledge about HTML5 and CSS3. He/she should have fundamental programming and scripting language knowledge

Ch. No.	Chapter Name	Chapter Topics	Total Hours
1	Introduction to AJAX	Introduction to AJAX, ASP.NET AJAX Prerequisites and Installation	04
		ASP.NET AJAX Structure and Architecture	
		The ScriptManager Control	
		Making a Page Region Updatable	
2.	AJAX Control Toolkit	Installing the Control Toolkit	12
		Using the Control Toolkit,	
		Animation Framework	
		Drag-and-Drop, Creating an Accordion Pane	
		Maintaining the Relative Position of an Element	
		Autocomplete Behavior to a TextBox Control	
		Attaching a Calendar to a Text Field	
		Dynamically Collapsing a Single Panel	
		Displaying a Pop Up Over a Page	
		Fighting Spam in Blogs and in Other Entry Forms, Creating a Tabbed Interface	
3	Introducing Silverlight	Introduction of Silverlight, Installation Steps (3.5 and 4) and Configuration	12
		Silverlight Design Tools, Visual Studio vs. Expression Blend	
		Understanding Silverlight Websites, Creating Stand-Alone Silverlight Project	
		Creating Simple Silverlight Page, Adding Event-Handling Code	
		Testing a Silverlight Application	
		Creating an ASP.NET –Hosted Silverlight Project	
		Mixing ASP.NET Controls and Silverlight Content	
Silverlight Compilation & Deployment			

4	XAML	XAML Basics, XAML Namespace	5
		The Code-Behind Class, Properties and Events in XAML	
		Simple Properties and Type converters, Complex Properties	
		Attached Properties, Nesting Elements, Events	
		XAML Resources , Elements-to-Element Binding	
		One-Way Binding , Two-Way Binding	
5.	Advanced Silverlight	The Silverlight Elements	12
		Static Text, Images	
		Content Controls, Buttons	
		Tooltips, Items Controls	
		Text Controls, ProgressBar	
		Understanding Silverlight Animation	
		Creating Simple Animation, The Animation Class	
		The Storyboard Class, Animation Easing, Animations in Code	
		The Main Page, The Bomb User Control	
		Encapsulating Animation	
6.	Data Access with LINQ to SQL	Understanding LINQ, LINQ Features	5
		LINQ to Objects Versus LINQ to SQL	
		Perform Select, Insert, Update, Delete with LINQ to SQL, Dynamic Queries	
7.	WPF	Overview of Windows Presentation Foundation Architecture	10
		Required Installations	
		Types of WPF Applications	
		Create WPF Application	
		The User Control Class, Creating a User Control	
		Data Binding in WPF, WPF Deployment Models	
Total::			60

Teaching Methodology :

Revision, Paper Solving, Seminar, Expert Talk, MCQ Quiz, Viva Test, Programming test

Books Recommended:

1. ASP.NET 4.5 Unleashed, Pearson Publication, Stephen Walther, Kevin Hoffman, Nate Dudek, ISBN: 9780672336881
2. Beginning ASP.NET 3.5 in C# 2008 From Novice To Professional, Apress , Matthew MacDonald, ISBN: 9781430204305

Reference Books :

1. LINQ to Objects Using C# 4.0, Addison-Wesley, Troy Magennis, ISBN: 978-032163700
2. Pro Silverlight 5 in C#, 4th Edition, Apress, Matthew MacDonald, ISBN:978-8132206514
3. Microsoft ADO. Net, Microsoft Press, Rebecca M. Riordan, ISBN:9780735612365
4. Pro WPF 4.5 in C#, 4th Edition,Apress, Matthew MacDonald, ISBN:978-1430243656