C. U. Shah University, Wadhwan City
Faculty of Computer Science
Name of Program: Bachelor of Computer Application
(BCA)
Semester : III
W.e.f. June-2015
Teaching & Evaluation Scheme

Sr. No	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester							Total Marks
								Theory				Practical			
			Th	Tu	Pr	Total		Sessional Exam		University Exam		Internal		Uni.	
								Marks	Hrs	Marks	Hrs	Pr	TW	Pr	
1	4CS03BAS2	ASP.Net: Web Programming	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.

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

Course Outline:

Ch. No	Chapter Name and Topics	Lect. Hours
1	**Introductions to ASP.NET** Overview of ASP.NET, Understanding The IDE, Directory Structure of ASP.NET Web Application, Life Cycle of an ASP.NET Web Page, Different stages of an ASP.NET Page, Various File Types of ASP.NET, Configuration of IIS, Overview of ASP.NET Controls, Simple Program of ASP.NET	6
2	**ASP.NET Controls** Introduction to The Control Class and WebControl Class, **Standard Controls**: Label, TextBox, Literal, Button, LinkButton, ImageButton, Hyperlink, Image, ImageMap, RadioButton, RadioButtonList, CheckBox, CheckBoxList, ListBox, DropDownList, Calendar, AdRotator, FileUpload. **Grouping Controls:** Panel, MultiView, Wizard Control. **Navigation Controls:** Menu and TreeView	14
3	**Validation Controls:** RequiredFieldValidator, RangeValidator, ReqularExpression, CompareValidator, CustomValidator, ValidationSummary **State Management** Introduction of State Management, Client Side State Management, Server Side State Management, View State, Query String, Cookie, Application State, Session State	8
4	**Master Page and Themes** **Master Pages:** Simple Master Page and Nested Master Page Working With Content Place Holder **ASP.NET Themes:** Working with CSS and Skin File	6

5	**ADO.NET** ADO.NET Architecture, Difference Between ADO and ADO.NET, Connected Architecture, Disconnected Architecture, ADO.NET Classes, Connection, Command, DataReader, DataSet, DataAdapter, DataRow, DataColumn, DataTable, GridView Control, Repeater Control, Binding Data To Controls	9
6	**XML and Web Services** Introduction of XML, Reading Dataset from XML, Writing Dataset with XML, About Web Service, Designing Web Services, Creating Web Service Project, Declaring Web Service, Setting Web Service Attributes, Declaring Methods For Web Service	4
7	**Deploying ASP.NET Web Applications** Packaging Web Applications, Using Web.config Transformations, One Click Publishing Web Applications	3
	Total	50

REFERENCE BOOKS :
1. "ASP.NET 4 Unleashed", Stephen Walther, Kevin Hoffman, Nate Dudek Sams Publication.
2. "Beginning ASP.NET 3.5 in C# 2008 From Novice To Professional", Matthew MacDonald,Apress.
3. "Advance .NET Technology", Chirag Patel, Dream Tech Press.