

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar
Programme & Subject : B.Sc. CA & IT
Semester – V

US05CIIT21 : Server Side Web Programming Using ASP.NET
(Syllabus Effective from June 2020)

Credits : 4

External : 70 Marks

Contact Hrs per Week : 4

University Examination Duration: 3 Hrs

All units carry equal weightage

Unit	Description in detail
I	Introduction ASP.NET – Introduction, overview of ASP.NET framework The ASP.NET Life cycle, Understanding ASP.NET controls ASP.NET 4.0 coding Models : Single-File Page Model, Code-Behind Page Model The Global.asax Application file Introduction to Web.Config Internet Information Server (IIS) Using Visual C# in ASP. NET: Introduction, Variables, Data Types, Value Types, Scope of Variables, Operators
II	ASP.NET Standard Controls and Validation Controls Using standard controls : [Control Properties] Label, TextBox, Button, CheckBox, CheckBoxList, RadioButton, RadioButtonList, Linkbutton, ImageButton, Hyperlink, DropDownList, ListBox Overview of the validation controls : RequiredFieldValidator, RangeValidator, CompareValidator, RegularExpressionValidator, CustomValidator, ValidationSummary Grouping Controls : Panel, Placeholder Master Page and Themes
III	Advance Controls and State Management Overview of various rich controls : AdRotator, FileUpload, Calendar Login Controls State Management using View State, QueryString, Cookies, Session State, Application State, Global.asax TreeView, Menu, SiteMapPath
IV	Accessing Data in ASP.NET ADO.NET Architecture-Connected and disconnected ADO.NET basics: DataProvider, Connection, Command, DataReader, Dataset, DataAdapter ADO.NET Basic Control : GridView, DataList, DetailsView, FormView, ListView, Repeater

Basic Text and Reference Books:

1. ASP.NET 4.0 Covers C# 2010 & VB 2010 codes BLACK BOOK, Dreamtech Press
2. Programming in C#, E Balagurusamy, Tata McGraw-Hill
3. The Complete Reference C# 4.0, Herbert Schildt, Tata McGraw Hill, Edition 2010 (Third Reprint 2011)