SARDAR PATEL UNIVERSITY
Programme: BCA
Semester: VI
Syllabus with effect from: November/December-2013

Paper Code: US06CBCA01	Total Credit: 4
Title Of Paper: Server-Side Web Programming	

Unit	Description in detail	Weighting (%)
I	**Introduction** ASP.NET – Introduction, overview of ASP.NET framework Understanding ASP.NET controls Understanding ASP.NET pages Advantages of ASP.NET Web Servers – introduction and role Internet Information Server (IIS) – introduction ASP.NET application - introduction Creating ASP.NET page, understanding the ASP.NET page execution The Page class	25%
II	**ASP.NET Standard Controls and Validation Controls** Using standard controls : Label, TextBox, CheckBox, Button, RadioButton, Linkbutton, ImageButton Client side validation vs. server side validation Overview of the validation controls Using RequiredFieldValidator control, RangeValidator control, CompareValidator control, RegularExpressionValidator control, CustomValidator control, ValidationSummary control Overview of various rich controls	25%
III	**State Management and Advanced Concepts** Introduction View State : example, making view state secure, retaining member variables, storing custom objects Transferring information, custom cookies, session state, session state configuration, application state The Global.asax Application file Login Controls Site Navigation and Site Maps	25%
IV	**Database Processing and Security** ADO.NET Architecture - connected and disconnected ADO.NET basics – data provider, connection, command, DataReader, DataSet, DataAdapter Data Binding Introduction to data controls – GridView, DetailsView, FormView, Repeater, DataList Website Security	25%

Basic Text & Reference Books :-
- ➢ Matthew MacDonald : Beginning ASP.NET 2.0 in VB 2005 by Apress, First Indian Reprint 2006
- ➢ Stephen Walther : ASP.NET 2.0 Unleashed by Sams Publication
- ➢ Scott Mitchell : Teach Yourself ASP.NET 2.0 in 24 Hours by Sams Publication

Books For Additional Reading :
- ➢ Steven Holzner : Vb.Net Black Book By Dreamtech Publication