Course: BCA
Sub Code: 5BCA2

Semester: V
Subject Name : ASP .Net and C#

7441

Unit	Lectures	Practical's	Workshops	Demo	Field Visits	Total Hours	Remarks
UNIT –I Overview of ASP.NET framework, Understanding ASP.NET Controls, Applications Web servers, installation of WS. Web forms, web form controls -server controls, client controls, web forms & HTML, Adding controls to a web form ,Buttons, Text Box, Labels, Checkbox, Radio Buttons, List Box, etc. Running a web Application, creating a multiform web project.	8	6				14	
UNIT-II Form Validation: Client side validation, server Side validation, Validation Controls: Required Field Comparison Range. Calendar control, Ad rotator Control, Internet Explorer Control. State management- View state, Session state, Application state.	8	6				14	
UNIT –III Architecture of ADO.NET, Connected and Disconnected Database, Create Connection using ADO.NET Object Model, Connection Class, Command Class, Data Adapter Class, Dataset Class. Display data on data bound Controls and Data Grid. Database Accessing on web applications: Data Binding concept with web, creating data grid, Binding standard web server controls. Display data on web form using Data bound controls.	8	6				14	
UNIT-IV Writing datasets to XML, Reading datasets with XML. Web services: Introduction, Remote method call using XML, SOAP, web service description language, building & consuming a web service, Web Application deployment.	8	6				14	
UNIT –V Overview of C#, C# and .NET, similarities & differences from JAVA, Structure of C# program. Language features: Type system, boxing and unboxing, flow controls, Classes, interfaces, Serialization, Delegates, Reflection.	8	6				14	
TEXT & REFERENCE BOOKS: • *VB.NET BLACK BOOK BY STEVEN HOLZNER DREAMIECH* • *ASP.NET UNLEASHED* • *C# PROGRAMMING WROX PUBLICATION* • *C# PROGRAMMING BLACK BOOK BY MAN TELLES*							