

7710

Course : PGDCA  
 Sub Code : 2PGDCA2

Semester: II  
 Subject Name : Programming with Visual Basic.Net

Unit	Lectures	Practical's	Workshops	Demo	Field Visits	Total Hours	Remarks
<b>UNIT-I</b> Introduction to .NET, NET Framework features & architecture, CLR, Common Type System, MSIL, Assemblies and class libraries. Introduction to Visual studio, Project basics, types of project in . Net, IDE of VB.NET-Menu bar, Toolbar, Solution Explorer, Toolbox, Properties Window, Form Designer, Output Window, Object Browser. The environment: Editor tab, format tab, general tab, docking tab. visual development & event driven Programming -Methods and events.	8	6			14		
<b>UNIT-II</b> The VB.NET Language- Variables -Declaring variables, Data Type of variables, Forcing variables declarations, Scope & lifetime of a variable, Constants, Arrays, types of array, control array, Collections, Subroutines, Functions, Passing variable, Number of Argument, Optional Argument, Returning value from function. Control flow statements: conditional statement, loop statement. MsgBox & Inputbox.	8	6			14		
<b>UNIT-III</b> Working with Forms: Loading, showing and hiding forms, controlling One form within another.GUI Programming with Windows Form: Textbox, Label, Button, Listbox, Combobox, Checkbox, PictureBox, Radio Button, Panel, Scroll bar, Timer, List View, Tree View, Toolbar, Status Bar. Their Properties, Methods and Events. OpenFileDialog, SaveFileDialog, FontDialog, ColorDialog, Print Dialog. LinkLabel. Designing menus : Context Menu, access & shortcut keys.	8	6			14		
<b>UNIT-IV</b> Object Oriented Programming: Classes & objects, fields properties Methods & Events, constructor, inheritance. Access Specifiers: Public, Private, Protected. Overloading, My Base & My class keywords. Overview of OLE.	8	6			14		
<b>UNIT-V</b> Database programming with ADO.NET - Overview of ADO, from ADO to ADO.NET, Accessing Data using Server Explorer. Creating Connection, Command, Data Adapter and Data Set with OLEDB and SQLDB. Display Data on data bound controls, display data on data grid.	8	6			14		
<b>TEXT &amp; REFERENCE BOOKS:</b> <ul style="list-style-type: none"> <li>• VB.NET PROGRAMMING BLACK BOOK BY STEVEN HOLZNER-</li> <li>• DREAMTECH PUBLICATIONS</li> <li>• MASTERING VB.NET BY EVANGELOS PETROUTSOS - BPB PUBLICATIONS</li> <li>• INTRODUCTION TO.NET FRAMEWORK -WORX PUBLICATION</li> <li>• MSDN. MICROSOFT. COM/ NET/</li> <li>• WWW.GOTDOTNET.COM</li> </ul>							