



**KARPAGAM ACADEMY OF HIGHER EDUCATION**  
**(Deemed to be University)**  
**(Established Under Section 3 of UGC Act, 1956)**  
**Coimbatore-21**

**LECTURE PLAN**  
**DEPARTMENT OF COMPUTER SCIENCE**

**STAFF NAME: Dr P.TAMIL SELVAN**

**SUBJECT NAME: .NET PROGRAMMING**

**SEMESTER: IV**

**SUBJECT CODE : 20CTU414A**

**CLASS: II B.Sc CT**

S.No.	Lecture Duration (Period)	Topics to be Covered	Support Materials
<b>Unit – I</b>			
1.	1	Introduction: Getting Started with VB.Net.	T1: 3-12
2.	1	The integrated development Environment start page, Project type	T1: 12-24
3.	1	IDE components: Menu, Toolbox, Solution Explorer, properties window	T1: 25-32
4.	1	Environment options, Visual Basic: The Language Variables, Declaration, Scope, Constants.	T1: 79-121 R1:72-80, T1: 122-148
5.	1	Arrays, Variables as object Flow Control Statement	T1: 2185-207, J1 T1:207-219
6.	1	Working with Forms: The Appearance, Properties of Form Control Loading and Showing Forms, Startup form Controlling	T1: 219-231 W1
7.	1	Designing Menus, Menu Editor, properties	T1: 219-231 W1
8.	1	Recapitulation and Discussion of important questions	
<b>Total No. of Hours Planned for Unit-I</b>			<b>8</b>

Unit – II			
1.	1	Basic Windows Controls: Text box Control, List Box,	T1: 241-279,W2
2.	1	checked List Box, Scroll Bar and Track Bar Controls	T1: 279-287
3.	1	More windows Control,	T1: 289-304 R2:450-460
4.	1	The Common Dialog Controls,Rich Text Box Control	T1: 305-326
5.	1	Handling Strings & Characters, String Class, String Builder class,	T1: 529-552, W2
6.	1	Tree view and list view control	T1: 552-568
7.	1	Examining the Advanced Controls, The Tree view control The tree view and List view Control	T1:741-766 T1:769-783
8.	1	Recapitulation and Discussion of important questions	
Total No. of Hours Planned for Unit-II			8
Unit – III			
1.	1	The Multiple Document Interface MDI Application	T1: 831-864
2.	1	Databases: Architecture and Basic Concepts, Server Explorer	T1: 869-883
3.	1	Building Database Applications with Ado.Net: The Architecture of Ado.Net, Creation a dataset, Data Binding	T1: 926-946
4.	1	Programming The Data Adapter object, The Command and Data Reader Objects	T1: 926-946
5.	1	Programming The ADO.Net Object:, The Structure of a data set	T1: 951-956, W3
6.	1	Recapitulation and Discussion of important questions	
Total No. of Hours Planned for Unit-III			6

Unit – IV			
1.	1	Goal of ASP.Net	T2: 1-9
2.	1	ASP .Net Web Server Controls: Overview, Label, Literal, Textbox and button Sever Controls	T2: 155-165 R4:902-914
3.	1	Validation Server Controls	T2: 190-204
4.	1	Themes	T2: 244-272
5.	1	Themes and Cascading style sheet	T2: 244-272
6.	1	Themes graphics and other Resources	T2: 244-272
7.	1	Skins	T2: 245-285
8.	1	Contents Page Holder	T2: 307-325
9.	1	Adding content page holder	T2: 325-355
10.	1	Recapitulation and Discussion of important questions	
<b>Total No. of Hours Planned for Unit-IV</b>			<b>10</b>
Unit – V			
1.	1	Data Binding in ASP.Net	T2: 365-389
2.	1	Data source Control, Data source view	T2: 380-389. W5
3.	1	Configuring data source control caching, Storing connection information	T2: 389-427
4.	1	Using bound list control with data source control, Other databound control.	T2: 427-435 T2: 461-481
5.	1	DBC: composit and hierarchical Data management with ADO.net Data set in ASP.net	T2: 481-506 R3:978-986 W5

6.	1	Recapitulation and Discussion of important questions		
7.	1	Discussion of previous ESE question papers		
8.	1	Discussion of previous ESE question papers		
Total No. of Hours Planned for Unit-V			8	
Total No. of Hours Planned for this Syllabus			40	

**SUPPORT MATERIALS**

1. Evangelos Petroustos, Mastering Visual Basic.Net, BPB Publications, New Delhi.
2. Bill Evjen, Scott Hanselman , Devin Rader, Farhan Muhammad and S.Srinivasa Sivakumar (2006), Professional ASP.net 2.0, Special Edition.
3. Dave Mercer, ASP.Net Beginner's Guide (2003), 2nd Edition McGraw Hill, New Delhi.
4. Duncan Mackenzie Kent Sharkey (2006), Sams Teach yourself Visual Basic.JNet, 1st Edition, McGraw Hill, NewDelhi.
5. Shirish Chavan. (2007), Visual Basic.Net, 1st Edition, Pearson Education, New Delhi.

**WEB SITES**

1. [www.microsoft.com/NET/](http://www.microsoft.com/NET/)
2. [www.en.wikipedia.org/wiki/.net](http://www.en.wikipedia.org/wiki/.net)
3. [www.w3schools.com/ngws/default.asp](http://www.w3schools.com/ngws/default.asp)
4. [www.vbtutot.com](http://www.vbtutot.com)