



GOVERNMENT OF TAMILNADU
DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI
STATE PROJECT COORDINATION UNIT
(Established under Canada India Institutional Cooperation Project)

CURRICULUM

Course Name	ASP DOT NET WITH VB DOT NET
Course Code	CSE/2020/008
Course Duration	80 Hours
Minimum Eligibility Criteria and Pre-requisites(if any)	ITI/10 th /+2/Diploma/Graduates Basic knowledge of programming C concept
Course Objectives	Training module has been designed to : <ul style="list-style-type: none"> • Create web based applications • Use different server controls to created rich user interactive web sites and State Management • Access data from the database in data bound controls on the web page • Apply master page to different pages in the website.
Course Outcomes	<ul style="list-style-type: none"> • After completion of the course, students will be able to use the features of DotNet framework along with the features of ASP .Net and VB .NET.
Expected Job Roles	<ul style="list-style-type: none"> • DOT NET Developer • IT Software Developer

TEACHING AND SCHEME OF EXAMINATION						
Course Code	Course Name	Hours		Assessment Marks		Duration of Examination
				Min	Max	
CSE/2020/008	ASP DOT NET WITH VB DOT NET	Theory	30	10	20	3 Hours
		Practical	50	40	80	
		Total	80	50	100	

CSE/2020/008 - ASP DOT NET WITH VB DOT NET**DETAILED SYLLABUS**

UNIT NO	MODULES	NO.OF.HOURS THEORY
I	INTRODUCTION TO VB .NET	
1.1	Basics of VB .Net-.Net Framework and CLR	6 s
1.2	- Elements of Visual Basic	
1.3	Dot Net-Data types	
1.4	Conditional Statements	
1.5	Arrays	
1.6	Menus and Toolbars	
II	OBJECT ORIENTED CONCEPTS IN VB .NET	
2.1	OOPs concept using VB .Net	6
2.2	Creating Classes, Objects	
2.3	Encapsulation - Abstraction -Inheritance -Polymorphism	
III	ASP .NET AND WEB DEVELOPMENT	
3.1	ASP .Net and website Development- Data controls- ADO .NET	6
3.2	Sending Emails -Master Pages	
3.3	Navigation Controls - Grid View Control	
3.4	Master pages -Themes ,Skins	
3.5	User Control	
3.6	Ajax Control Tool Kit.	
IV	CONTROLS IN ASP .NET AND SECURITY	
4.1	Controls in ASP .Net and security- Standard controls	6
4.2	Validation Controls-Rich Controls-Data Controls	
4.3	Navigation Controls	
4.4	Login Controls-HTML Controls-Authentication	
4.5	- Authorization-User Accounts	
V	DATABASES	
5.1	Database- MSSQL Server	6
5.2	Relational databases-	
5.3	Creating, Editing table-SQL Query	
5.4	and Updating table in SQL Query	
Total Theory Hours		30
Total Practical Hours		50
Total Hours		80

PRACTICAL (50 HOURS)

1. Create a basic ASP .Net Website using Visual Basic.
2. Develop a VB .Net Application using the file and directory controls to implement a common dialog box.
3. Create a Simple ASP .Net page to Output text with a form, Two HTML textboxes, an HTML Button and HTML element. Create an Event procedure for the button.
4. Develop a Database application to store the details of students using ADO .NET
5. Write a program to create a Master page in ASP .Net
6. Write a program to insert data into Database in ASP .NET using VB code.
7. To write a program to introduce Asp .net State management technique
8. Develop a web application to read the details of the selected country stored in XML database and display back to the user using Web controls.
9. Write a program to implement client side scripting
10. Create a Web application in ASP .NET using three different controls to the ASP .NET Page.
11. Write a program to ADO.NET code to show records in Grid view control.
12. Write a ADO.NET code to insert, update and delete records from the database program.
13. Write a program to ASP .NET Page Life cycle(different page events)
14. Write a program to use Validation controls.
15. Write a program to demonstrate a Web Services.

HARDWARE REQUIREMENT

S.NO	LIST OF TOOLS /EQUIPMENTS
1	COMPUTER WITH ANY OPERATING SYSTEM
2	PRINTER
3	SCANNER
4	PHOTOTYPESETTERS
5	LAN Connection

SOFTWARE REQUIREMENT

S.NO	LIST OF SOFTWARE
1	MICROSOFT VISUAL STUDIO 2008

REFERENCE BOOKS

S.No	Name Of The Book	Author	Publisher
1.	Murach's Asp.Net Web Programming With Vb.Net (Murach: Training & Reference) Paperback	Doug Lowe , Anne Prince	Mike Murach& Associates Inc. (1 January 2004)
2.	Asp.Net: The Complete Reference	Macdonald And Matthew,	Mcgraw Hill
3.	Visual Basic(R).Net: The Complete Reference	Shapiro Jeremy	Mcgrawhill Hed
4.	Beginning Asp.Net InVb .Net: From Novice To Professional	Matthew Macdonald	Apress; Softcover Reprint Of The Original 1st Ed. Edition (January 28, 2004)
5.	Visual Basic .Net (Programmer's Reference) 3rd Edition	Dan Rahmel	Mcgraw-Hill Professional; 3 Edition (May 16, 2008)
6.	Building Web Database Applications With Visual Studio 6 1st Edition	Dan Rahmel	Computing Mcgraw-Hill; 1 Edition (December 6, 1999)

ASSESSMENT AND CERTIFICATION

S.No	Criteria for assessment
1.	A trainee will be assessed based on the performance in End Examination for Theory and Practical conducted internally in the Project Polytechnic College for a duration of 3 hours
2.	A trainee must have 75% of attendance to appear for End examination in Theory and Practical.
3.	The assessment for theory part will be based on the marks scored in the end examination on the knowledge bank of questions (1 word/objective type questions)
4.	The assessment for practical part will be based on the marks scored in the end examination conducted by the Project Polytechnic and assessed by the Examiners approved by Strategic Plan Implementation Committee (SPIC) of the project polytechnic.
5.	The criteria for successful completion of training is every trainee should score 50% of marks in theory and practical examination.
6.	On successful completion of training , Certificate will be issued to the participants by the Directorate of Technical Education through the Project Polytechnic.

END EXAMINATION

ALLOCATION OF MARKS

S.No	Description	Max.Marks
1.	Theory Examination	20
2.	Practical Examination	
	a)Procedure	10
	b)Execution	30
	c)Output	20
	d)Record	20
Total Marks		100

THEORY MODEL QUESTION PAPER

CSE/2020/008 - ASP DOT NET WITH VB DOT NET

(Maximum Marks : 20)

(N.B: Answer any **twenty** questions)

20 x 1 = 20 Marks

1. How does VB.NET instantiates the .NET object?
2. Expand CTS.
3. Jagged Array is _____ of Arrays.
4. The control statements are the statements that control the _____ of the program on the basis of the specified condition.
5. Menus and toolbars are _____ to present your commands to users.
6. Which feature is needed to make a programming language object oriented?
7. 7. Encapsulation makes it easier to _____
8. How many constructors can a class have?
9. 9. The term instantiation refers to the creation of _____
10. What is the Role of inheritance?
11. Which web Server Control is used to display advertisements in ASP.Net a Web Page?
12. ASP.NET themes are a collection of properties that define the appearance of _____
13. Expand Ajax.
14. ADO.NET provides communication between relational and _____ through a common set of components.
15. Validation Summary Control in a Webpage _____
16. Which Type of Validation control used to check password and Confirm password in Login form?
17. The Term for the Pages that Depend upon a Master page is Called _____
18. Default Scripting Language in ASP .
19. The login controls enable us to display login, change password, and _____
20. How many types of authentication ASP.NET supports?
21. The 'sql' Select statement can be used to _____ from a specific table in the database.
22. What are the credentials used to connect to the database?
23. The data adapter object is used to perform SQL operations such as insert, delete, and update.
24. ASP.Net has the ability to update-----from a database.
25. _____ is used to specify the name of the database