Course Code : **CN308**
Course Title : **WEB PROGRAMMING LAB**
Pre-requisite(s) :
Co- requisite(s) : **Web Programming**
Credits: 2 L:0 T:0 P: 4
Class schedule per week : **04**
Class : **BCA**
Semester / Level : **V/3**
Branch : **Bachelor of Computer Applications**

Course Objectives
This course enables the students to:

A.	Learn about basics of web programming.
B.	Learn HTML, Java Script, XML for scripting.
C.	Learn web-based programming using ASP.NET.
D.	Learn PHP based programming.
E.	Learn Making static and dynamic websites.

Course Outcomes
After the completion of this course, students will be able to:

CO1	Know the fundamentals of web programming.
CO2	Identify .NET technology and framework.
CO3	Elaborate on the web-based programming.
CO4	Perform web-based programming.
CO5	Design static and dynamic websites.

Syllabus

List of Programs as Assignments:
1. Design simple HTML pages to illustrate Ordered, Unordered¬ & Definition Lists Tables¬ Frames¬ Form elements¬
2. Web page validation using Java script.
3. Create web page using CSS.
4. Event handling using DHTML.
5. Demonstrate the significance of cookies using PHP.
6. Develop a home page for a website using PHP.
7. Demonstrate Constructor Overloading.
8. Demonstrate Method Overloading.
9. Demonstrate Method Overriding.
10. Demonstrate Multilevel Inheritance.
11. Demonstrate Delegates and Events.
12. Create a web page to demonstrate server controls in asp.net.
13. Demonstrate validation controls in asp.net.
14. Develop web application to view and update data in database.
15. Create a web application to view and delete data in database.
16. Develop web application to insert data in to database.
17. India is a large country. Different regions observe variations in climate. The spoken language of one state is quite different from that of another. They wear different types of garments. They celebrate different festivals and perform varied religious rites. People belonging to diverse cultures

belong to different religious faiths. In spite of these diversities, Indians feel a sense of unity and oneness among them. Thus, we conclude that India is a land of Unity in Diversity.
a) All the headings should be H2 and green colour.
b) Main heading should be H1 and centre aligned.
c) The background should be yellow colour.
d) There are 10 paragraphs so each of them should be made using P tag.
e) The Introduction and Conclusion paragraphs should have "Times New Roman" font, the size should be 12 and colour should be blue.
f) All the remaining paragraphs text should be pink and magenta coloured in an alternate way.
g) There should be one meaningful picture in the web page with specific dimension.
18. Create a webpage having a list as shown below: • Food . Fruit Apple Mango *Vegetable Potato Tomato Carrot • Dress Ethnic wear Kurta Sherwani Western wear suit jeans • Sports a. Indoor sports carom table tennis b. Outdoor sports Cricket Hockey
19. Create a webpage with the following: a) A superscript and subscript tag b) Pre tag c) Paragraph tag d) Anchor tag Page 91 of 243 e) Image tag f) Definition list tag g) Marquee tag h) Horizontal line tag i) Break tag j) Heading tag
20. Create a webpage having 10 divisions each having separate background color and text color using tag. At the top right corner there should be an image hyperlink opening in a new webpage.
5. Create a webpage with a form loaded into it and take input of three strings through three textboxes and then concatenate them without using any built-in function.
21. Create a webpage with two tables. First one should have 1 row and 5 columns and the second one with 3 rows and 4 columns. The contents of the first table should be center aligned and contents of the second table should be right aligned. Each column of the first table should have separate colors and each row of the second table should have separate colors.
22. Write a JavaScript program to calculate and display the aggregate and percentage of three subjects' (Physics, Chemistry and Mathematics) marks along with the name of a student. The name and individual marks input shall be taken by textbox in the webpage.
23. Write a JavaScript program to search the element 4 in the array [2, 6, 4, 10, 4, 0, -2] using any method.
24. Create a framed webpage with different frames as below: 1 2 3 4 5 6 7 8 Contents of 1st, 3rd, 5th, 7th frame should be same again 2nd, 4th, 6th and 8th should be same.
25. Write a JavaScript program to calculate the percentage of three subjects' (English, Mathematics, and Science) marks along with the name of a student. The name and individual marks input shall be taken by form in the webpage.
26. Create a webpage to take input of two strings and concatenate them without using any builtin function.
27. Write a JavaScript program to calculate and display the aggregate and percentage of three subjects' (Physics, Chemistry and Mathematics) marks along with the name of a student. The name and individual marks input shall be taken by textbox in the webpage.

TEXT BOOKS:

1. Bai Xue, Ekedahl Michael, Farrell Joyce, Gosselin Don, Zak Diane, Kaparthi Shashi, MacintyrePeter, Morrissey Bill, "The Web Warrior Guide to Web Programming", India Edition, Thomson Education.
2. Xavier C., "Web Technology & Design", New Age International Publishers, 1st Edn, New Delhi, 2004.

REFERENCE BOOK

1. Ross Ivan Bay, "Web Enable Commercial Application Using HTML, DHTML", BPB Publication.

Gaps in the Syllabus (to meet Industry/Profession requirements)

1. Detailed learning of HTML and XHTML
2. Detailed learning of JavaScript
3. Detailed learning of XML

POs met through Gaps in the Syllabus 3, 4, 12

Topics beyond syllabus/Advanced topics/Design

1. Concepts of XSLT
2. Knowledge about Active Server Pages
3. Designing interactive server pages

POs met through Topics beyond syllabus/Advanced topics/Design - 2, 3, 4, 12

Course Outcome (CO) Attainment Assessment Tools & Evaluation

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Second Quiz	10
Viva voce	20
Day to day performance	30
Exam Evaluation performance	30

Indirect Assessment

1. Student Feedback on Faculty
2. Student Feedback on Course Outcome

Mapping between COs and Program Outcomes

Course outcome	Program Outcomes (POs)												Program Specific Outcomes		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	1	1	2	2	1	1	1	1	1	2	2
CO2	3	1	1	1	1	3	1	1	2	1	1	2	3	2	3
CO3	2	3	3	1	2	1	2	2	1	1	1	1	2	2	3
CO4	1	1	3	3	1	1	1	1	1	1	1	1	2	3	3
CO5	3	3	3	1	2	1	1	2	1	1	2	1	1	2	3

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	
CD2	Tutorials/Assignments	CO2	
CD3	Seminars	CO3	
CD4	Mini Projects/Projects	CO4	
CD5	Laboratory Experiments/Teaching Aids	CO5	
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		