WEB TECHNOLOGIES LABORATORY

V Semester: CSE IT										
Course Code	Category	Hours / Week			Credits	Maximum Marks				
AITB11	Core	L	Т	Р	С	CIA	SEE	Total		
		-	-	2	1	30	70	100		
Contact Classes: Nil	Tutorial Classes: Nil	Practical Classes: 30 Total Classes: 30			s: 30					

I. COURSE OVERVIEW:

This Laboratory course provides a foundation for the development of a broad range of increasingly influential and strategic technologies, supporting a large variety of applications and services, both in the private and public sectors. There is a growing need for management and decision makersto gain a clearer understanding of the application development process, from planning through to deployment and maintenance. This module will give you an insight into architectures, protocols, standards, languages, tools and techniques; an understanding of approaches to more dynamic and mobile content; and demonstrate how you can analyze requirements, plan, design, implement and testarrange of web applications.

II. OBJECTIVES:

The course should enable the students to:

- The fundamentals of designing static and dynamic web pages using HTML and DHTML for creation I of websites.
- The concepts of client server programming with JavaScript, XML, Servest, JSP and PHP. Π
- III The project-based experience needed for designing real time web based client-serverapplications.

III. COURSE OUTCOMES:

After successful completion of the course, students should be able to:

CO 1	Develop static web pages using HTML and CSS	Apply	
CO 2	Develop effective and interactive web pages using elements and selectors in style sheets and dynamic HTML.	Apply	
CO 3	Make use of functions in JavaScript and PHP for implementing datavalidations in web applications.	Apply	
CO 4	Develop dynamic web site using server side PHP programming and database connectivity.	Apply	
CO 5	Build dynamic web pages using XML and PHP with database connectivity to perform CRUD operations.	Apply	
CO 6	Construct website by using front end and back end programming.	Apply	
	LIST OF EXPERIMENTS		
Week -1 INSTALLATIONS			
Installation of	of XAMPP and WAMP servers.		
Week-2	HTML		
 Create a t Use table 	able to show your class time table. s to provide layout to your HTML page describing your college infrastructure.		

3. Use and <div> tags to provide a layout to the above page instead of a table layout.</div>			
Week-3	HTML		
 Use frames such that page is divided into 3 frames 20% on left to show contents of pages, 60% in center to show body of page, remaining on right to show remarks. Embed Audio and Video into your HTML web page. 			
Week -4	HTML		
 Create a webpage with HTML describing your department use paragraph and list tags. Apply various colors to suitably distinguish key words, also apply font styling like italics, underline and two other fonts to words you find appropriate, also use header tags. Create links on the words e.g. "Wi-Fi" and "LAN" to link them to Wikipedia pages. Insert an image and create a link such that clicking on image takes user to other page. Change the background color of the page; At the bottom create a link to take user to the top of the page. 			
Week -5	HTML		
Develop static pages (using only HTML) of an online book store, the pages should resemble: www.amazon.com, the website should consist the following pages, home page, registration and user login, user profile page, books catalog, shopping cart, payment by credit card, order confirmation.			
Week -6	CASCADING STYLE SHEET		
Write an HTML page that contains a selection box with a list of 5 countries, when the user selects a country, its capital should be printed next to the list; Add CSS to customize the properties of the font of the capital (color, bold and font size).			
Week -7	CASCADING STYLE SHEET		
Let your visitors change the style sheet on your web site, this script will let your visitors choose between five style sheets, which can create yourself or use the one's included.			
Week -8	JAVASCRIPT		
 Write a Java Script program to test the first character of a string is uppercase or not. Write a pattern that matches e-mail addresses. Write a Java Script function to print an integer with commas as thousands separators. 			
Week-9	JAVASCRIPT		
 Write a Java Script program to sort a list of elements using quick sort. Write a Java Script for loop that will iterate from 0 to 15 for each iteration, it will check if the current number is odd or even, and display a message to the screen. Write a Java Script function which will take an array of numbers stored and find the second lowest and second greatest numbers, respectively. 			
Week-l0	JAVASCRIPT		
 Write a Java Script program which compute, the average marks of the following students then this average is used to determine the corresponding grade. Write a Java Script program to sum the multiples of 3 and 5 under 1000. To design the scientific calculator and make event for each button using java script. 			

1. A simple calculator web application that takes two numbers and an operator (+, -/,*and %) from an HTML page and returns the result page with the operation performed on the operands. 2. Write php program how to send mail using PHP. Week-12 PHP 1. Write php program to convert a string, lower to upper case and upper case to lower case or capital case. 2. Write php program to change image automatically using switch case. Week-13 PHP 1. Write php program to calculate current age without using any pre-define function. 2. Write php program to upload image to the server using html and PHP. Week-14 PHP 1. Write php program to upload registration form into database. 2. Write php program to upload registration form from the database. Week-15 PHP 1. Write php program to update the registration form from database. 2. Write php program to delete the registration form from database. 2. Write php program to delete the registration form from database. 2. Write php program to delete the registration form from database. 2. Write php program to delete the registration form from database. 2. Write php program to delete the registration form from database. 2. Write php webschemets. 1. Uttam K Roy, "Web Technologies", Oxford University Press, 1 st Edition, 2010. 2. Steven H	Week-l1	РНР			
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