



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad – 500043

COMPUTER SCIENCE AND ENGINEERING

List of Laboratory Experiments

WEB TECHNOLOGIES LABORATORY								
Course Code	Category	Hours / Week			Credits	Maximum Marks		
		L	T	P		C	CIA	SEE
AITB11	Core	-	-	2	1	30	70	100
Contact Classes: Nil	Tutorial Classes: Nil	Practical Classes: 36			Total Classes: 36			
Branch: CSE	Semester: V	Academic Year: 2020-21			Regulation: R18			
Course overview:								
The purpose of this course is to learn, design and develop interactive user interfaces. The content includes demonstration of web page design with the help of languages like HTML, DHTML, CSS, XML, Javascript, PHP and protocols in the workings of the web and web applications.								
Course objectives:								
The students will try to learn:								
<ol style="list-style-type: none"> 1. The design components of the static and dynamic web page in HTML with java script. 2. The client / server-based web application development. 3. The concepts of PHP for web page application development. 4. The concepts of dynamic web page creation with PHP and Java script 								
Course outcomes:								
After successful completion of the course, students will be able to:								
CO1 Demonstrate basic elements of HTML for designing static web pages.								
CO2 Design effective user interfaces using CSS for designing static web pages.								
CO3 Develop effective and interactive web pages using dynamic HTML with java script and XML for client/server based applications.								
CO4 Summarize basic concepts of PHP for designing static and dynamic web pages.								
CO5 Build dynamic web pages using XML and PHP with database connectivity to perform CRUD operations and validate using AJAX and Java Script.								
CO6 Construct website by using front end and backend end programming.								
WEEK NO	EXPERIMENT NAME							CO
WEEK – I	INSTALLATIONS							CO1
	Installation of XAMPP and WAMP servers.							
WEEK – II	HTML							CO1
	<ol style="list-style-type: none"> 1. Create a table to show your class time table. 2. Use tables 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. 							
WEEK – III	HTML							CO1
	<ol style="list-style-type: none"> 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. 2. Embed Audio and Video into your HTML web page. 							
WEEK – IV	HTML							CO1
	<ol style="list-style-type: none"> 1. Create a webpage with HTML describing your department use paragraph and list tags. 2. 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. 3. Create links on the words e.g. —Wi-Fil and —LANI to link them to Wikipedia pages. 4. Insert an image and create a link such that clicking on image takes user to other page. 5. Change the background color of the page; At the bottom create a link to take user to the top of the page. 							

WEEK – V	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.	CO1
WEEK – VI	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).	CO2
WEEK – VII	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.	CO2
WEEK –VIII	JAVASCRIPT 1. Write a Java Script program to test the first character of a string is uppercase or not. 2. Write a pattern that matches e-mail addresses. 3. Write a Java Script function to print an integer with commas as thousands separators.	CO3
WEEK - IX	JAVASCRIPT 1. Write a Java Script program to sort a list of elements using quick sort. 2. 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. 3. Write a Java Script function which will take an array of numbers stored and find the second lowest and second greatest numbers, respectively.	CO3
WEEK - X	JAVASCRIPT 1. Write a Java Script program which compute, the average marks of the following students then this average is used to determine the corresponding grade. 2. Write a Java Script program to sum the multiples of 3 and 5 under 1000. 3. To design the scientific calculator and make event for each button using java script.	CO3
WEEK – XI	PHP 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.	CO1
WEEK – XII	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.	CO4
WEEK – XIII	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.	CO4
WEEK – XIV	PHP 1. Write php program to upload registration form into database. 2. Write php program to display the registration form from the database	CO6
WEEK – XV	PHP 1. Write php program to update the registration form present in database. 2. Write php program to delete the registration form from database	CO6