Course Plan

A. Course Handout (Student and Faculty)

Institute/School/College Name	Chitkara University Institute of Engineering & Technology		
Department/Centre Name	Department of Computer Science & Engineering		
Programme Name	Bachelor of Engineering (B.E.)-Computer Science & Engineering		
Course Name	Client Side Technology	Session	2018-19
Course Code	CSP3209	Semester/Batch	4th
Labs (Per Week)	0-0-4	Course Credit	03
Course Coordinator Name	Ms. Aditi Moudgil		

1. Scope and Objectives:

The course provides a wide scope of learning & understanding of the subject and after completion of the subject the student will have the ability to the develop

1: Write HTML and CSS code for designing and creating web pages.

2: Create the scripts using JavaScript.

3: Implement JavaScript to manipulate elements in the DOM.

4: Implement basic Bootstrap libraries.

5: Implement static projects.

2. Recommended Books

RB1: 'Web Enabled Commercial Application Development using HTML, JavaScript, DHTML and PHP'

by Ivan Bayross , 4th Edition, BPB Publications

RB2: 'The Complete Reference HTML & XHTML' by Thomas A. Powell, 4th Edition, TMH Publishing

RB3: 'Developing Web Applications' by Moseley & Ralph, Wiley.

RB 4: 'Learning Web design: a beginner's guide to HTML, CSS, JavaScript,and web graphics' by Niederst Robbins, Jennifer, Mumbai Shroff Publishers.
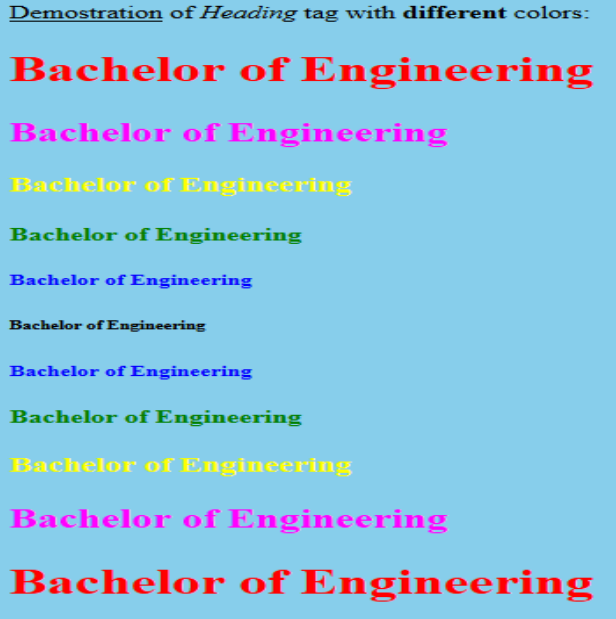
3. Other readings and relevant websites

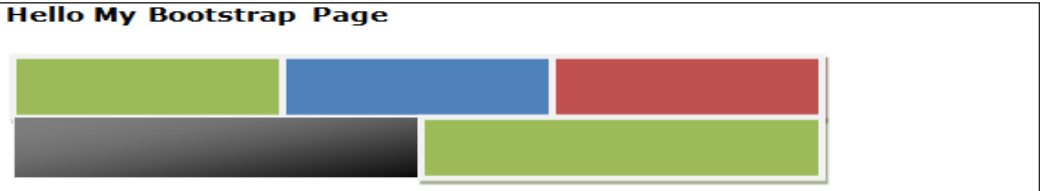| S.No.	Link of Journals, Magazines, websites and Research Papers
1	http://www.w3schools.com
2	http://www.tizag.com
3	https://developer.mozilla.org/en-US/docs/HTML/Introduction
4	https://www.codeschool.com/courses/front-end-foundations
5	https://www.codeschool.com/courses/try-jquery

4. Recommended Tools and Platforms:

Text editor: Notepad, Brackets

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5.   **Lab Plan**

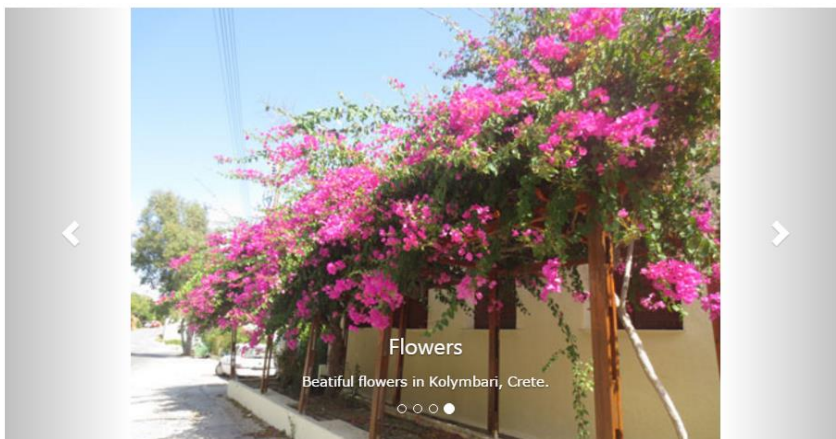| S. No.	Experiment Detail
1	Write HTML Code to display the following output and also display the title using heading tag. **CPU** CPU stands for Central Processing Unit. It is the portion of a computer system that carries out the instructions of a computer program. It carries out each instruction of the program in sequence, to perform the basic arithmetical, logical, and input/output operations of the system
2	Write HTML code for below diagram by using horizontal line, heading tag, colors to suitably distinguish headings, font styling like italics and underline. Demostration of *Heading* tag with **different** colors: **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering** **Bachelor of Engineering**
3	Demonstrate the usage of formatting, marquee and blink tag to print below output. **Various formulas** (Marquee) H_2O H_2SO_4 ~~Text~~ x^2 $X^2 + Y^2 = Z$ $Y = mx + c$
4	Write HTML code to display following List 1. Linux 2. Unix 3. HTML 4. DHTML 5. JavaScript 6. Perl 7. PHP 8. SQL 9. Oracle

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	10. CCNA

5	Write HTML code to display following List
	
	 Bachelor of Engineering
	 • CSE
	     o Software Engineering
	     o Data Structures
	     o Theory of Computation
	 • ME
	     o Strength of Material
	     o Mobility
	
	 • ECE
	     o VLSI design
	     o Wireless communication

6	Write the HTML code to add a link on the text "Click here" and image of "Chitkara university logo", when you click on these link then open www.chitkara.edu.in.
7	Create a document with two links to an external document. The first link should lead to the beginning of the external document. The second link should lead to a particular section in the external document.
8	Create an image-map, with clickable regions. Use image of India and create link for any 5 states.
9	Write HTML code for the following table :
10	Create a table to show your class time-table.
11	Write HTML code the following form:
12	Write HTML code for the following frames:

For item 9:

S.No.	Particulars	No. of Items	Price
1.	Hard Disks	2	4000.00
2.	Monitors	3	15000.00
3.	CD ROM	2	1000.00
4.	DVD Writer	4	6000.00

For item 11:

HTML Forms and Input

Form elements are elements that allow the user to enter information (like text fields, text area fields, drop-down menus, radio buttons, checkboxes, etc.) in a form

How it looks in a browser:-

First name: [ ]

Last name: [ ]

○ Male |

○ Female

I have a bike: ☐

I have a car: ☐

I have an airplane: ☐

Username: [ ] Submit

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13	Write HTML code to display frame
	In top-left corner insert an image. In top_right give a good caption to your page. In bottom_left provide various hyperlinks which should open in Bottom_right frame.
14	Write a HTML code to create iframe. (Display a web page within a web page).
15	Change the text color, background color and text size of paragraph and list using internal Style sheet and External Style sheet.
16	Write a code to display a message after some delay specified by user using JavaScript.
17	i) WAP to print series from 10 to 1 using JavaScript. ii) Write a program to demonstrate the working of alert box, confirm box and prompt box.
18	i) WAP to input five elements in and array and print using JavaScript ii) Write a JavaScript program to change background color after 5 seconds of page load.
19	i)WAP to find factorial of a number using JavaScript ii) WAP to display all the prime numbers between 1 to 100.
20	WAP to implement Java Script – event handling like onblur, onchange, ondbclick, onclick, onfocus, onkeydown, onkeyup, onkeypress, onload, onunload, onmouseover, onmouseout, onmousedown, onmouseup, onmousemove, onreset, onselect, onsubmit.
21	Implement Javascript Objects: Maths, String ,Date, Array.

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22	Use getElementsByTagName, getElementsById, getElementsByClassName method to find the \<p\> element, and change its text to "Hello World!". Also change the value of HTML element.
23	Implement DOM Node properties: childnodes, firstnode, lastnode, nodename, nodetype, nodevalue, parent node.
24	Implement DOM Node methods by making a list of grocery items purchased from super market using appendchild() and remove child(), createnode() and text type Node creation, node removal, Traversing a Document's Nodes
25	Implement DOM Objects: Window, History object with their method and properties
26	Implement DOM Objects: Location, Document, Form object with their method and properties
27	WAP to implement validation on form in Javascript.
28	Use the on() method to attach a click event handler to all \<p\> elements. Similarly, implement jQuery event elements and methods for the same.
29	Using jQuery animate () method create custom animations. Also implement chaining effect by writing a paragraph and insert a button, on clicking button chaining effect of paragraph and button occurs
30	Insert three paragraphs and using the children() method add a red color to the first child element of \<div\>.
31	Use a jQuery method to slide down the \<div\> element. The duration of the effect should be 5000 milliseconds.
32	Implement all jQuery Selectors
33	WAP for a basic Bootstrap page with a responsive full width container and a grid shown below. (Style it with different colors).
34	WAP to implement the looks of a Profile page given below. 1. Place the heading in a big box 2. Place your circled image on the left grid. 3. Place a responsive, striped table on the right side of the grid. 4. Use grid and full width container.
35	WAP to Implement Inverted Navbar and collapsible List group i.e. on clicking list group it should be collapsible.

36	WAP to implement bootstrap carousel. The Carousel plugin is a component for cycling through elements, like slideshow.

6. Evaluation Scheme:

Lab Component 1*	Lab Performance	40
Lab Component 2	Internal Viva	20
Lab Component 3**	External Viva	40
	Total	100

*Lab Performance will be evaluated periodically.
**The End Term examination for practical courses is held at the end of semester and includes conduct of experiment and an oral examination (viva voce).The mandatory requirement of 75% attendance in all lab classes is to be met for being eligible to appear in this component.

7. Details of Evaluation Component 1 and Component 2

Description	Marks	To be held in week	Remarks
Lab Performance 1	20	6th-7th week	Program Execution(10Marks)+Viva(5 Marks)+File(5 Marks)
Lab Performance 2	20	10th-11thweek	Program Execution(10 Marks)+Viva(5 Marks)+File(5 Marks)
Internal Viva	20	13th week	Program Execution(10 Marks)+Project(10 Marks)

** Program Execution is to be done on Online Platform.

This document is approved by

Designation	Name	Signature
Course Coordinator	Ms. Aditi Moudgil	
Associate Dean	Ms. Sudha Goyal	
Dean	Dr. Meenu Khurana	
Date	29 Dec. 2018	

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