MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

COURSE PLAN

Department	:	Data Science and Computer Applications
Course Name & code	:	Web Technologies Lab & MCA 4263
Semester & branch	:	II & MCA
Name of the faculty	:	Tojo Thomas and Abhilash K Pai

No of contact hours/week:

L	T	P	C
0	0	3	1

Course Outcomes (COs)

	At the end of this course, the student should be able to:	No. of Contact Hours	Marks
CO1:	Implement html to create web pages	9	15
CO2:	Demonstrate usage of CSS in front-end designing	9	20
CO3:	Apply client-side and server-side techniques for user interactivity with the web page	12	25
CO4:	Develop data driven application for wide range of real time problems	6	40
CO5:	Click or tap here to enter text.	Hrs.	Marks
	Total	36	100

Assessment Plan

1. Continuous Evaluation	60%
Lab test :One test of 15 marks and mini project evaluation of 15 marks (Max. Marks: 30) Regular Evaluation : One evaluation of 10 marks (Max. Marks: 10) Viva-Voce : Two Viva-Voce 10 marks each (Max. Marks: 20)	
2. Lab Examination	40%
• Examination of 3 hours duration (Max. Marks: 40)	

Lesson Plan

L. No.	Topics	Course Outcome Addressed
L1	Introduction to HTML and Review and discussion of lab expectations	CO1
L2	1. Test various HTML commands and tags and also write an HTML document to display your class Time Table using tables. 2. Write a HTML document to display your resume in a neat format. 3. Create a HTML document to display the details of "W3C". The initial section of the page should brief on "About W3C". This should be followed by the table of content as hyperlink, referring to the respective section in the same page. Also link to the "SirTimberners.html" to get in more insight about Sir. Tim Berners Lee.	CO1
L3	4. Create a web form to depict the given Passport application for by Ministry of External Affairs , Govt. of India.	CO1
L4	5. Create the following web pages for your photo magazine website: a. From the home user should be able to navigate to the photo gallery page. The photo gallery page must exhibit responsive features for larger device visual (width: 992px and above), medium range devices(width ranging from 768px to 991) and for lower range device (width: 767 and below)	CO2
L5	6. Write a HTML document to depict a lunar eclipse using CSS animation and various logo's of organizations and news channels. 7. Write a HTML document to display an animated solar system using CSS. 8. Write a HTML document to display a wild flower using CSS animation.	CO2
L6	9. Create a web page with the content about various boxes supported in JavaScript. 10. Write a JavaScript to create a new browser window and display some text in that window. Put the script into a suitable HTML page and test it. 11. Write CSS script to implement a guess number with five tries	CO3
L7	12. Create a web page with content on cookies which stores the name of the user, date of last access in a cookie. On load of the web page display a welcome message. 13. Write a web page which displays a digital clock, using the JavaScript timeout event. 14. Write a web page to display mouse co-ordinates on mouse move over the canvas. 15. Write a web page document for free hand drawing using Canvas	CO3
L8	16. Create a step-by-step wizard to get the following user details for the "Best JOBs" website: Use DOM and other credentials OR Discuss progress of Synopsis and Initial design of your respective mini projects .	CO2, CO3

L9	17. Write a PHP page to upload user resume in pdf format to the website. 18. Write a PHP page to store current date-time in a COOKIE and display the 'Last visited on' date-time on the web page upon reopening of the same page. 19. Write a PHP page to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page. 20. Write a PHP page to read the employee details in a JSON format and display it in a tabular format. 21. Write a PHP page to search an employee detail and display it by sending an asynchronous request to the server.	CO4
L10	22.Mini Project evaluation using their SRS and Design provided.	CO4
L11	23. Final demo of mini project to check their output and team work.	CO4
L12	End Semester Lab Examination	CO
L13	Click or tap here to enter text.	CO
L14	Click or tap here to enter text.	CO

References:

1. Randy Connolly, Ricardo Hoar, Fundamentals of Web Development, 1st Edition, Pearson Education India, 2015.
2. Powell, Thomas. HTML & CSS: The Complete Reference, 5th Edition, McGraw-Hill, Inc., 2010.
3. Luke Welling, Laura Thomson, PHP and MySQL Web Development, 5th Edition, Pearson Education, 2016.
4. Nicholas C Zakas, "Professional JavaScript for Web Developers", 3rd Edition, Wrox/Wiley India, 2012.
5. John Kocer, "Angular 7: By Example (Part One Book 1)", 2019.
6. https://www.w3schools.com/
7. Click or tap here to enter text.

Submitted by: Tojo Thomas and Abhilash K Pai

(Signature of the faculty)

Date: 30-01-2023

Approved by: Dr. Radhika M Pai

(Signature of HOD)

Date: 30-01-2023

FACULTY MEMBERS TEACHING THE COURSE (IF MULTIPLE SECTIONS EXIST):

FACULTY	SECTION	FACULTY	SECTION
Tojo Thomas	B	Abhilash K Pai	A

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