Mapping of COs to Assessment Rubrics:

	Internal Exam	Assignment	Case Study	End Semester Examination
CO 1	✓	✓		✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓			✓

MDC

10. WEB DESIGNING USING HTML5 AND CSS3

Discipline	COMPUTER SCIENCE				
Course Code	UK1MDCCSC100				
Course Title	WEB DESIGNING USING HTML5 AND CSS3				
Type of Course	**MDC**				
Semester	I				
Academic Level	1 -				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours/Week
	3	2 Hours	-	2 Hours	4 hours
Pre-requisites	Basic knowledge of internet				
Course Summary	Web design is the planning and creation of websites. This includes a number of separate skills that all fall under the umbrella of web design. This course aims to instil in students these skills which includes information architecture, user interface, site structure, navigation, layout, colours, fonts, and overall imagery. It also trains students on basic web design elements like overall layout, colour scheme, typography,				

		navigation and content. Simple web pages are designed using HTML5 and CSS3.	

Detailed Syllabus:

Module	Unit	Content	Hrs (L+P)
I		**Basics of HTML5**	**12**
	1	HTML foundations, usage of Doctype and charset	
	2	Familiarization of basic html tags including headings, paragraphs and text formats	
	3	Design using basic html tags	
	4	Managing information with lists and tables	
	5	Making connections with links – hyperlinks, anchors, urls	
	6	Design of various lists, tables and links	
II		**Additional Features of HTML5**	**12**
	7	Adding Images to your pages – Image and ImageMaps	
	8	Working with audio and video	
	9	Design using image and media elements (Practical)	
	10	Sectioning Elements – nav, article, main, header, footer and section tags	
	11	Progress Elements	
	12	Design using sectioning and progress elements (Practical)	
III		**Advanced Features of HTML5**	**12**
	13	Div and Frames	
	14	IFrames	
	15	Design of web pages as frames and iframes (Practical)	
	16	Creating Forms using basic input elements	

	17	New Form Input Types	
	18	Designing of Forms (Practical)	
IV		**Introduction to CSS3**	**12**
	19	Style Element and Stylesheet	
	20	Specifying colors in CSS	
	21	Creating your own color scheme	
	22	Fonts and typefaces	
	23	Setting various font attributes	
	24	Selectors – IDs, Classes and Pseudo classes	
	25	New CSS3 Selectors	
	26	Borders and Backgrounds	
	27	New CSS3 border techniques	
V		**Flexi Module: Not included for End Semester Exams**	**12**
	28	Levels of CSS	
	29	Using HTML with CSS	
	30	Designing web pages with stylesheets (Practical)	
	31	Creating dynamic lists	
	32	Building a basic menu system	
	33	Create a simple website using HTML and CSS (Project)	

References

Core:
1. Andy Harris, "HTML5 and CSS3 All-in-one for Dummies", A Wiley Brand, Third Edition

Additional:

1. https://books.goalkicker.com/HTML5Book/

LAB EXERCISES

Programs(Part A)

1. Design using basic html tags
2. Design of various lists, tables and links
3. Design using image and media elements
4. Design using sectioning and progress elements

Programs(Part B)

1. Design of web pages as frames and iframes
2. Designing of Forms
3. Designing web pages with stylesheets
4. Create a simple website using HTML and CSS

Course Outcomes

No.	Upon completion of the course the graduate will be able to	Cognitive Level	PSO addressed
CO-1	Illustrate the basic features of HTML5	Ap	PSO-1,2
CO-2	Use advanced HTML features for web designing	Ap	PSO-1,2,3
CO3	Develop basic stylesheets in various CSS levels	Ap	PSO-1,2,3
CO4	Build websites using HTML and CSS	Ap	PSO-1,2,3

R-Remember, U-Understand, Ap-Apply, An-Analyse, E-Evaluate, C-Create

Note: 1 or 2 COs/module

Name of the Course: WEB DESIGNING USING HTML5 AND CSS3

Credits: 2:0:1 (Lecture: Tutorial: Practical)

CO No.	CO	PO/PSO	Cognitive Level	Knowledge Category	Lecture(L)/ Tutorial(T)	Practical (P)
1	Illustrate the basic features of HTML5	PO - 3, 6, 7 PSO-1,2,3	Ap	F, C, P	L	P

2	Use advanced HTML features for web designing	PO-3, 6, 7 PSO-1,2,3	Ap	F, C, P	L	P
3	Develop basic stylesheets in various CSS levels	PO -3, 6, 7 PSO-1,2,3	Ap	F, C, P	L	P
4	Build websites using HTML and CSS	PO 1, 5, 6, 7 PSO-1,2,3	Ap	F, C, P	L	P

F-Factual, C- Conceptual, P-Procedural, M-Metacognitive

Mapping of COs with PSOs and POs :

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO 1	-	-	-	-	-	1	1	-	2	1	1	-
CO 2	-	-	2	-	-	1	2	-	2	1	1	-
CO 3	-	-	2	-	-	1	2	-	2	1	1	-
CO 4	-	-	3	-	-	2	2	-	2	1	1	-

Correlation Levels:

Level	Correlation
-	Nil
1	Slightly / Low