



GUJARAT TECHNOLOGICAL UNIVERSITY
Syllabus for Bachelor of Vocation (B.Voc), 1st Semester
Branch: Software Development
Subject Name: Web Designing Lab
Subject Code: 21110205

**With effective
from academic
year 2021-22**

Teaching and Examination Scheme:

Teaching Scheme			Credit C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE (E)	PA(M)	ESE(V)	PA(I)	
0	0	2	2	-	-	30	20	50

L-Lectures; T- Tutorial/Teacher Guided Student Activity; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

Contents:

- Fundamental knowledge of Web Designing
- Basics of Structuring webpage using HTML / XHTML
- Look and Feel of webpage using CSS
- Modify the page using client-side scripting using JavaScript
- Fundamental knowledge of web-hosting

Course Content:

Sr. No.	Practical / Hands on Exercise	Hrs.
1.	Write, test and debug a webpage with HTML tags, input tags, input types.	02
2.	Write, test and debug a webpage with HTML5 Semantic Page Elements, inline semantic elements, media semantic elements.	02
3.	Write, test and debug a webpage with CSS by employing local styles & making use of ids and classes, managing appearance, absolute and float positioning.	02
4.	Write, test and debug a webpage Using HTML5 and CSS3 tags.	02
5.	Write test and debug a JavaScript program illustrating the use of variables and its data types.	03
6.	Write test and debug a JavaScript program illustrating the importance of Document Object Model.	03
7.	Write a program to swapping two images using javascript.	02
8.	a. Write test and debug a program implementing jQuery fading methods. b. Write test and debug a jQuery program representing the use of hide(), show() and toggle() functions. Also perform Form Validation program in jQuery.	04
9.	Develop the modern web pages using the HTML and CSS features with different layouts as per need of applications.	04
10.	Develop a small website for a system with full navigation, validation and functioning using HTML, CSS and Javascript.	04
	Total	28



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Reference Books:

1. Developing Web Applications, Ralph Moseley and M. T. Savaliya, Wiley-India
2. Web Technologies, Black Book, dreamtech Press
3. HTML 5, Black Book, dreamtech Press
4. Web Design, Joel Sklar, Cengage Learning

Course Outcomes:

- CO1:** Develop user-friendly webpages and structured professionally using HTML tags and features.
- CO2:** Define the CSS with its types and use them to provide the styles to the web pages at various levels.
- CO3:** Apply JavaScript/jQuery for validation, functioning and events to make webpage efficient for user.
- CO4:** Develop the modern/dynamic web pages using the HTML, CSS & JavaScript features with different layouts as per need of applications.