GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Bachelor of Vocation (B.Voc), 1st Semester
Branch: Software Development
Subject Name: Web Designing Lab
Subject Code: 1110205

With effective from academic year 2018-19

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks				Total Marks
				Theory		Practical		
L	T	P	C	University exams (ESE)	Internal evaluation (PA)	External Practical /viva Exam(ESE)	Internal Practical /viva Exam(PA)	
-	-	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:

- Generic awareness about Hyper Text Markup Language (HTML).
- Designing of websites.
- Basics of HTML tags.
- Cascading Style Sheet (CSS).
- Functional knowledge of web hosting

Course Content:

Sr. No.	Practical / Hands on Exercise	Hrs.
1	Write, test and debug small applications with previous HTML tags, input tags, input types.	6
2	Write, test and debug small applications with HTML5 Semantic Page Elements, inline semantic elements, media semantic elements.	3
3	Write, test and debug small applications with CSS by employing local styles & making use of ids and classes, managing appearance, absolute and float positioning.	3
4	Write, test and debug small applications Using HTML5 and CSS3tag	3
5	Write test and debug a JavaScript program illustrating the use of variables and its data types.	3
6	Write test and debug a JavaScript program illustrating the importance of Document Object Model.	3
7	Write a program to swapping two images using javascript.	3
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.	6
9	a. Create an XML file defining an article in newspaper. b. Create an XML file defining the food menu of a hotel.	6
10	Develop the modern web pages using the HTML and CSS features with different layouts as per need of applications.	6
	Total	**42**

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Suggested Specification table with Marks (Practical):

Distribution of Theory Marks				
R Level	U Level	A Level	N Level	E Level
5	25	25	10	5

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate and above Levels (Bloom's Taxonomy)

Reference Books:

1. Developing Web Applications, Ralph Moseley and M. T. Savaliya, Wiley-India Introduction to Information Technology by Turban, Rainer, Wiley
2. Web Technologies, Black Book, dreamtech Press
3. HTML 5, Black Book, dreamtech Press
4. Head First jQuery, Ryan Benedetti and Ronan Cranley O'Reilly Media

Course Outcomes:

After completion of the course students will be able to

1. Describe the concepts of web design.
2. List the various HTML tags and use them to develop the user friendly web pages.
3. Define the CSS with its types and use them to provide the styles to the web pages at various levels.
4. Use the JavaScript to develop the dynamic web pages.
5. Use the jQuery to understand various events.
6. Use of XML to understand web designing.