Program	Bachelor of Vocational (B Voc)	Semester - 1
Type of Course	-	
Prerequisite		
Course Objective	-	

Teaching Scheme (Contact Hours)				Examination Scheme				
Lecture	**Tutorial**	**Lab**	**Credit**	**Theory Marks**		**Practical Marks**		**Total Marks**
				SEE (T)	**CIA (T)**	**SEE (P)**	**CIA (P)**	
3	-	-	3	50	-	-	-	50

SEE - Semester End Examination, *CIA* - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

| **Course Content** | | **T** - Teaching Hours | **W** - Weightage |

Sr.	Topics	T	W
1	**Fundamentals of Web Designing** Introduction to Internet and WWW, HTTP protocol with Request and Response, Web browser and Web servers Concepts of effective web design, Web design issues including Browser, Bandwidth and Cache, Display resolution, Look and Feel of the Website, Page Layout and linking, User centric design, Sitemap, Planning and publishing website, Designing effective navigation	5	20
2	**Hypertext Markup Language** Basic of HTML, HTML core Elements, Attributes, Heading, Paragraph, Style, Text Formatting, Quotation and Citation Elements, Comments, Colors, Links, Images, Tables, Lists, Block and Inline Elements, Class Attribute, id Attribute, Iframes, File Paths, The head element, Layout Elements and Techniques, Responsive Web Design, Computer Code Elements, Semantic Elements, Entities, Symbols, Using Emojis, HTML Encoding, HTML URL, HTML Forms Introduction to XHTML, Diff. between HTML & XHTML, Meta tags, Character entities, Browser architecture and Web site structure. Overview and features of HTML5	11	20
3	**Cascading Style Sheets** Introduction to CSS, Syntax, Selectors, Types of CSS, Backgrounds, Borders, Margins, Paddings, Height/Width, Box Model, Outline, Text, Fonts, Icons, Links, Lists, Tables Layout Property – Display & inline block, Width & Max, Position, Overflow, float & clear, horizontal & vertical alignment CSS combinators, Psuedo class & Elements, Opacity, Navigation Bar, Dropdowns, Image Gallery & Image Sprites, Attribute selector, Forms, Counters, Website layout	11	20
4	**JavaScript** Introduction to client side Scripting, JS variables, different placing of <script> tag in code, JS Output, Statements, syntax, Comments, variables, let & const, operators, assignments, data-types, functions, objects, events, string & its methods, numbers and its methods, array, Sorting and searching, Date Object, Math Object, Random, conditions, Comparison and Conditions, switch, loops and repetition, Type - Conversion, Regular Expression, Errors, Scope, this keyword, JSON, JS reserved word, Pop up boxes JS Objects, JS Functions, JS Classes, JS Async, JS HTML DOM, JS Browser DOM, JS Web APIs, JS AJAX, JS JSON, JS vs. jQuery	11	20
5	**Web Hosting Fundamentals** What is Domain? Introduction to DNS, how to register a Domain? What is web hosting? How to get a web hosting? Host your website on web Server. FTP -FTP Introduction, FTP Commands Viewing Files and Directories, FTP Commands Transfer and Rename files, FTP with WS FTP/ CuteFTP, Filezilla on Windows	4	20
	Total	42	100

Suggested Distribution Of Theory Marks Using Bloom's Taxonomy			
Level	Remembrance	Understanding	Application
Weightage	10	20	20

NOTE : This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Course Outcomes

	At the end of this course, students will be able to:
CO1	Describe the fundamentals of web-designing concepts with WWW including browser and HTTP protocol.
CO2	List the various HTML tags and use them to develop the user-friendly web pages.
CO3	Define the CSS with its types and use them to provide the styles to the web pages at various levels.
CO4	Develop the modern/dynamic web pages using the HTML, CSS & JavaScript features with different layouts as per need of applications.
CO5	Apply the web hosting on the static as well as dynamic web pages.

Reference Books

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