



C.U.SHAH UNIVERSITY – Wadhwan City

FACULTY OF: Technology and Engineering (Diploma Engineering)

DEPARTMENT OF: Computer Engineering

SEMESTER: - IV **CODE:** - 2TE04AWT1

NAME – Advanced Web Technology

Teaching & Evaluation Scheme:-

Subject Code	Name of the Subject	Teaching Scheme				Evaluation Scheme						
		Th	Tu	Pr	Total	Theory				Practical (Marks)		Total
						Sessional Exam		University Exam		Internal	University	
						Marks	Hours	Marks	Hours	Pr/Viva	TW	
<u>2TE04AWT1</u>	Advanced Web Technology	00	00	04	04	--	---	---	----	50	50	100

Objectives:-

In today's competitive world, websites are a major source of delivering data. Internet is becoming the backbone of any commercial or scientific activity. Web designing has grown out to be a very fast growing industry; it is the need of any firm to have a good looking and feature rich site.

Prerequisites: Basic Computer Skills, Basic knowledge of internet

Course Outlines:-

Sr. No.	Course Contents	Hours
1	HTML5 Introduction, HTML5 New Elements, HTML5 Semantic, HTML5 Forms, HTML5 Graphics, HTML5 Media, HTML5 APIs	20
2	Cascading Style Sheet 3 (CSS3) CSS3 Introduction, CSS3 Borders, CSS3 Backgrounds, CSS3 Gradients, CSS3 Text Effects, CSS3 Fonts, CSS3 2D Transformation, CSS3 3D Transformation, CSS3 Transitions, CSS3 Animations, CSS3 Multiple Columns, CSS3 User Interface	25
3	JavaScript Introduction, Statements, Comments, Variables and Data Types, Operators and Functions, Conditions and Switch, Loops (for loop & while loop), Breaks	15

List of Experiments:-

- Develop basic HTML5 pages with Tables and Hyperlinks.
- Develop web pages with Frames in HTML5
- Develop web pages with new elements in HTML5
- Develop web pages with HTML5 Media
- Develop various pages using Cascading Style Sheets to Style your Page.
- Develop various pages using CSS Selectors and embedded StyleSheets.
- Styling Tables with help of CSS.
- Practical based on JavaScript functions and operators
- Practical based on JavaScript Conditions and Switch
- Practical based on JavaScript Loops

Learning Outcomes:-

- HTML5
- Cascading Style Sheet
- Javascript

Books Recommended:-

- Head First HTML5 Programming By Eric Freeman, Elisabeth Robson (O'Reilly Media)
- HTML 4 & 5: The Complete Reference By: Jennifer Robbins (O'Reilly Media)
- The Book of CSS3 by (No Starch Press)
- Responsive web design with HTML 5 and CSS3 by FRAIN (SHROFF PUB & DIST PVT LTD)
- HTML5 & CSS3 Visual QuickStart Guide (English) (Paperback) by Elizabeth Castro (Pearson India)
- Professional Javascript For Web Developers (English) 3rd Edition (Paperback) by Nicholas C. Zakas (Wiley India Pvt Ltd)

E- References:-

- www.w3schools.com
- www.tutorialspoint.com
- <http://www.htmlcodetutorial.com/>
- <http://html.net/>