



C. U. SHAH UNIVERSITY
Wadhwan City

FACULTY OF: - Technology and Engineering

DEPARTMENT OF: - Computer Engineering

SEMESTER: - VII

CODE: - 4TE07WTE1

NAME: –Web Technology

Teaching & Evaluation Scheme:-

Subject Code	Subject Name	Teaching Scheme (Hours)				Credits	Evaluation Scheme							
		Th	Tu	Pr	Total		Theory				Practical (Marks)			Total
							Sessional Exam		University Exam		Internal		University	
							Marks	Hours	Marks	Hours	Pr/Viva	TW	Pr	
4TE07WTE1	Web Technology	3	0	2	5	4	30	1.5	70	3	-	20	30	150

Objectives:

The learning objectives of this course are to:

- Know the techniques for improving the accessibility of an HTML document
- Know the techniques involved to support reach web development application.
- Students understand the web development and database technology.
- To give the fundamental skills needed to understand the concepts of web development.

Prerequisites:

Basic knowledge of Internet and Programming. Basic Knowledge of HTML and Scripting.

Course outline:

Sr. No.	Course Contents	Total Hrs.
1	Introduction to Web Technology: Web Browser, Web Server, Client side Scripting , Server Side Scripting, HTML	3
2	HTML 5.0: Introducing HTML5, Structural and Semantics Elements, Input types, Form Elements and Attributes, Rich Media: Audio, Video, Canvas and SVG. HTML5 APIs: Geolocation, Drag/Drop, Web Storage, App Cache, Web Workers.	12
3	CSS3: Transparency, Gradients, Backgrounds, Round borders, Typography, Shadows, Transformations, Transitions, Layouts, Advanced Selectors, Flexible Box Model.	8
4	Programming with PHP: Starting to script on server side, Data types,	12

	Variable, Operator ,Control statements, Loops, Arrays, function and forms, global array, string manipulation with PHP, Files, Password, Email, Uploading, Cookies, Sessions, Object-Oriented Programming	
5	PHP & MYSQL: Basic command with PHP examples, Connection to server, creating database, selecting a database, listing database, listing table names creating a table, inserting data, altering tables, queries, deleting database, deleting data and tables	10
	Total	45

Learning Outcomes:

After completing this course,

- Students will be able to use Open Source Technology to develop Web Application.
- Students will be provided with an up-to-date survey of developments in web technology.

Books Recommended:

1. HTML & CSS: The Complete Reference **Thomas A. Powell**, McGraw Hill, 2nd Edition
2. Web Enabled Commercial Application Development using HTML, JavaScript , DHTML and PHP, **Ivan bayross**, BPB Publication
3. Professional Web 2.0 Programming using XHTML, CSS, JavaScript & AJAX **Vlist, Eric-van der**, Willey Publication
4. Introducing HTML 5 by **Bruce Lowson& Remy Sharp**, New Riders
5. Pro HTML5 and CSS3 Design Patterns (Expert's Voice in Web Development) by **Michale Bowers & Victor Sumner** , Kindle Edition
6. Html5 And Javascript Web Apps by **Wesley Hales**, O'REILLY
7. HTML5 Black Book: Covers CSS3, Javascript, XML, PHP ,Dreamtech Press
8. Beginning PHP5, **Mercer, Dave W.** , Willey Publication
9. Learning PHP 5 **David Sklar**, O'Reilly