

Pre-Requisite(s): Nil

Course Objectives

- To impart the design, development and implementation of Dynamic Web Pages.
- To develop programs for Web using JavaScript
- To give an introduction to responsive web design
- To deploy web applications

Course Outcome

CO1: Understand the basics of World Wide Web.

CO2: Develop interactive Web pages using HTML

CO3: Present a professional document using Cascaded Style Sheets.

CO4: Construct websites for user interactions using JavaScript.

CO5: Develop and deploy web applications

CO-PO Mapping

PO/PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO														
CO1	1												3	3
CO2	1	2						1	3				2	2
CO3	1	2						2	3	2			2	2
CO4	1	2						2	3				2	2
CO5	3	2	2					2	3	2	3		2	2

Syllabus

Unit 1

Introduction to Web – Client/Server - Web Server - Application Server- HTML Basics- Tags - Adding Web Links and Images-Creating Tables-Forms - Create a Simple Web Page - HTML 5 Elements - Media – Graphics.

Unit 2

CSS Basics – Features of CSS – Implementation of Borders - Backgrounds- CSS3 - Text Effects - Fonts - Page Layouts with CSS.

Responsive Web Design - Grid view, Media Queries, Images, Videos, frameworks and templates.

Unit 3

Introduction to Java Script – Form Validations – Event Handling – Document Object Model - Deploying an application.

Text Book(s)

1. *DT Editorial Services. HTML 5 Black Book (Covers CSS3, JavaScript, XML, XHTML, AJAX, PHP, jQuery). Second Edition, Dreamtech Press; 2016.*
2. *Ben Frain. Responsive Web Design with HTML5 and CSS. Third Edition. Packt Publishing; 2020.*

Reference(s)

1. *Ethan Marcotte, Responsive Web Design, Second Edition; 2014*
2. *Tittel E, Minnick C. Beginning HTML5 and CSS3 for Dummies. Third edition, John Wiley & Sons; 2013.*
3. *Powell TA, Schneider F. JavaScript: the complete reference. Paperback edition, Tata McGraw-Hill; 2012.*

Evaluation Pattern

Assessment	Internal	External
Periodical 1	10	
Periodical 2	10	
*Continuous Assessment (Theory) (CAT)	10	
Continuous Assessment (Lab) (CAL)	40	
End Semester		30

*CA – Can be Quizzes, Assignment, Projects, and Reports.