Ganpat University
॥ विद्यया समाजोत्कर्षः ॥

Faculty of Computer Applications

NAAC A Grade Accredited University

Programme	B.Sc. IT Honours (Artificial Intelligence & Machine Learning)	**Branch**	Computer Applications
Semester	I	**Version**	1.0.0.0
Effective from Academic Year	2026-27	**Effective for the batch Admitted in**	June 2026
Subject code	U81B3WD1	**Subject Name**	WEB DESIGNING-I

Teaching scheme						**Examination scheme(Marks)**			
(Per week)	**Lecture (DT)**		**Practical (Lab.)**		**Total**		**CCE**	**SEE**	**Total**
	L	TU	P	TW					
Credit	2	-	2	-	4	Theory	50	50	100
Hours	2	-	4	-	6				

Objective:

To learn basic concepts of web designing with HTML, HTML5, CSS, and JavaScript to design a web page.

Pre-requisites:

Knowledge of computer, notepad/notepad++, and basic knowledge of arithmetic calculation

Learning Outcome:

Name of CO	Description
CO1	Identify key concepts and Basic Terminology of Web Technology
CO2	Use HTML core tags, links, tables, forms, and design a static web page
CO3	Determine HTML5 graphics, multimedia, geolocation, and web storage API in a web page
CO4	Apply Cascading Style sheet to style a web page
CO5	Use JavaScript to add dynamic behavior on a web page

Mapping of CO and PO:

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	2	1	2	2	2	1	2	0
CO2	3	2	2	2	2	0	1	2	2	2	3	2
CO3	2	3	2	3	3	1	2	2	2	0	3	1
CO4	2	2	3	3	2	0	2	2	3	2	1	1
CO5	2	1	2	3	2	2	1	1	2	1	0	0

Content:

Unit	**Content**	**Hrs.**
1	**Basics of Web Technology** An Introduction to Internet, Internet Address, Uniform Resource Locator, Internet Service Provider, Intranet, Extranet, Working of Internet, Hypertext Transfer Protocol, World Wide Web, Search Engines, Introduction to Web Server and Web Browser, Static and Dynamic Web Page, Types of Websites, Web Designing Principles	06

2	**Basic HTML Concepts** What is HTML? History, HTML Page Structure, HTML Basic Tags – text formatting tags, working with list, image, table, link, block and inline elements, frame, HTML form	06
3	**HTML5** The Road for HTML 5, Browser Pitfalls, HTML 5 New Elements, Semantics Elements, New Form/Input Elements, Multimedia, Canvas - Future of Graphics on Web, Simple Shape, Shape Styles, Text and Shadow, Canvas Pitfalls, SVG –Basic shapes, Animation, Introduction to Geolocation API, Web Storage, Web Workers, HTML Drag and Drop Features	06
4	**Cascading Style Sheets** What is CSS?, Advantages of CSS, CSS Syntax Selectors; Type Selector, Universal Selectors, Descendent Selectors, Class Selectors, ID Selectors, Child Selectors, Attribute Selectors, Multiple Style Rules, Grouping Selectors, Embedded CSS - The <style> Element, Inline CSS - The style Attribute, External CSS - The <link> Element, Imported CSS - @import Rule, Handling old Browsers, Setting Background using CSS, Set Font Family, Manipulating the Text, CSS Images, CSS Tables, CSS Margins, CSS lists, CSS Padding	06
5	**JavaScript** Introduction to JavaScript, Advantages of JavaScript, JavaScript Syntax, Comments, Variable, Array, Operators, Looping, Functions, Dialog box, Regular Expression, Objects in JavaScript, Cookies, ActiveX and JavaScript	06

Practical Content:	
List of programs specify by subject teacher based on above mention topics.	
Reference Books:	
1	"The Complete Reference Web Design" by Thomas A. published by. McGraw Hill, 5th edition -2010.
2	"Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics" by Jennifer Niederst Robbins, O'Reilly Publication, 3rd edition-2018.
3	Beginning HTML5 and CSS3 By Richard Clark, OliStudholme, Christopher Murphy and DivyaManian, APress Publication.
Web Reference:	
1	https://www.w3schools.com/
MOOC/Certificate Course:	
1	https://www.coursera.org/learn/html-css-javascript-for-web-developers
2	https://onlinecourses.swayam2.ac.in/aic20_sp11/preview
Question Paper Scheme:	
	End Semester Examination Duration: (2 Hours Theory Examination) **Note for Examiner: -** Q-1 Any Five out of Seven (25 Marks) Q-2 Any Two out of Three (06 Marks) Q-3 Mandatory question (05 Marks) Q-4 Any Two out of Three (08 Marks) Q-5 Any Two out of Three(06 Marks) *The question paper must comprehensively address all Course Outcomes (COs), align with Bloom's Taxonomy levels, and ensure complete syllabus coverage.