

FACULTY OF COMPUTER APPLICATIONS

Programme	Master of Computer Applications					Branch/Spec.	Computer Application		
Semester	I – Bridge Course					Version	1.0.0.0		
Effective from Academic Year			2026-27			Effective for the batch Admitted in		July 2026	
Subject Code	P11E9WDD		Subject Name			Web Designing and Database			
Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	-	-	-	-	-	Theory	40	-	40
Hours	20	-	-	-	20	Practical	-	-	-

Objective:

To develop foundational skills in front-end web design using HTML, CSS, and JavaScript for interactive web layouts, alongside essential relational database operations and SQL query execution.

Pre-requisites:

Basic understanding of computer operations, fundamental internet/web concepts, and elementary logical thinking.

Course Outcomes:

Name of CO	Description
CO1	Build structured static web pages using standard HTML tags, semantic elements, lists, tables, and form input controls.
CO2	Apply CSS styling rules, box model properties, typography, alignments, and visual effects to format dynamic web layouts
CO3	Implement client-side scripting using JavaScript variables, control flows, loops, and interactive browser popup boxes.
CO4	Construct relational database schemas and execute fundamental SQL queries for data definition, manipulation, and retrieval.

Mapping of CO and PO

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	3	2	2	2	-	-	-	2
CO2	3	2	2	2	-	-	-	2
CO3	3	2	2	2	-	-	-	2
CO4	3	3	2	2	-	-	-	3

Content:		
Unit	SECTION – I	Hrs
1	HTML - Structure & Content Markup Structural Markup: Document structure (<html>, <head>, <body>), Headings (<h1>–<h6>), Paragraphs (<p>). Hyperlinks & Media: Navigation links (<a>), Image integration (). Tables & Lists: Data tables (<table>, <tr>, <td>, <th>), ordered () and unordered () lists. User Inputs: Interactive web forms, form input types (text, password, radio, checkbox, submit)	05
2	CSS - Web Page Styling & Layout Control Selectors & Rules: Element, class, and ID selectors. Visual Styling: Colors, Backgrounds, Borders. Box Model Architecture: Margins, Paddings, Height, Width calculations. Typography & Positioning: Text formatting, Fonts, Alignment, and element positioning.	05
SECTION – II		
3	JavaScript - Client-Side Interactivity Core Fundamentals: Variables (var, let), primitive data types. Control Logic: Conditional statements (if, if-else, switch). Iterative Logic: Looping statements (for, while). User Interaction: JavaScript popup boxes (alert, confirm, prompt).	05
4	Database - SQL & Relational Management Database Operations: Creating and altering databases (CREATE DATABASE, ALTER DATABASE). Schema Definition: Creating, altering, and dropping tables (CREATE TABLE, ALTER TABLE, DROP TABLE). Data Manipulation: Data selection (SELECT), inserting records (INSERT), updating rows (UPDATE), and deleting records (DELETE).	05
Practical Content:		
List of programs specified by the subject teacher based on above mentioned topics		
Text/Reference Books:		
1.	Robbins, J. N. <i>Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics</i> , 5th Edition, O'Reilly Media.	
2.	Duckett, J. <i>HTML and CSS: Design and Build Websites</i> , 1st Edition, John Wiley & Sons.	
3.	Elmasri, R., & Navathe, S. B. <i>Fundamentals of Database Systems</i> , 7th Edition, Pearson Education.	
4.	Silberschatz, A., Korth, H. F., & Sudarshan, S. <i>Database System Concepts</i> , 7th Edition, McGraw-Hill.	
Web References /Online Learning Resources		
1.	W3Schools (Web Development & SQL Tutorials): https://www.w3schools.com/	
2.	MDN Web Docs (Mozilla Developer Network): https://developer.mozilla.org/	
3.	TutorialsPoint (HTML/CSS/JS & Database Tutorials): https://www.tutorialspoint.com/	
4.	Oracle MySQL Documentation: https://dev.mysql.com/doc/	