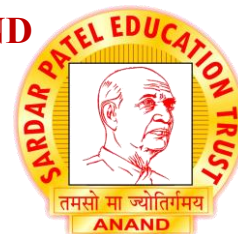




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Revised Syllabus as per NEP 2020 with effect from the Academic Year 2026-2027

Bachelor of Computer Applications (BCA)
Semester – I

Course Code	US1MIBCA13	Title of the Course	Fundamentals of Web Application
Total Credits	02 Credits	Hours per Week	02 Hours / Week

Course Learning Outcomes (CLOs)

CLO 1	Apply HTML concepts to create structured and interactive web pages.
CLO 2	Analyze and design web pages using DHTML and CSS for styling and dynamic behavior.

Course Content

Unit No.	Description	Weightage (%)
1.	Creating a WebPage : I - An Introduction to HTML, HTML tags, Structure of an HTML document - Text and paragraph formatting - Ordered and Unordered lists - Hyperlinks, Image - HTML tables - Frames, Framesets - Designing HTML forms - Advanced Elements of HTML5 Input Controls (number, date, time, calendar, ranges) - Multimedia tags (<audio>, <video>)	50%
2.	Creating a WebPage : II - Introduction to DHTML - Components of DHTML - Introduction to Cascading Style Sheets (CSS), - Ways of specifying style inline, internal, external - Basic Syntaxes, ID and CLASS selectors, SPAN, DIV - Fonts, Color, Background, Text AND Border property	50%

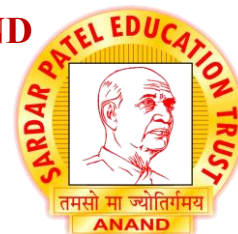
Teaching – Learning Methodology

The course would be taught /learnt through ICT (e.g. Power Point Presentation, Audio-Visual Presentation), Lectures, Group Discussions, Group Activities, Quizzes, Assignments, Case Study and Browsing E- Resources.



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Examination Evaluation Pattern		
Sr. No.	Particulars	Weightage (%)
01	Continuous and Comprehensive Evaluation (CCE) (Formative Assessment)	50%
02	Semester End Evaluation (SEE) (Summative Assessment)	50%
	TOTAL	100%

Specifications for CCE and SEE		
Sr. No.	Details of the Evaluation Pattern	Marks
01	Continuous and Comprehensive Evaluation (CCE) (Formative Assessment)	
	A Assignments	10
	B Active Learning Activities	05
	C Attendance	05
	D Written Examination (01 Hour)	30
	(A + B + C + D)	50 Marks
	Note: • For 02 Credit Courses, the Formative Assessment for students must be from 25 Marks. Thus, the total obtained marks from A + B + C + D (50 Marks) will be divided by 02.	25 Marks
02	Semester End Evaluation (SEE) (Summative Assessment)	
	E Written Examination (01 Hour)	25 Marks
	TOTAL (For 02 Credit Courses)	50 Marks

Rubrics – Based Assessment for Assignments (10 Marks)		
Excellent	09 – 10 Marks	Accurate, error-free, logically presented, timely submission
Good	07 – 08 Marks	minor errors and good conceptual clarity
Average	05 – 06 Marks	basic understanding or partially correct
Basic	03 – 04 Marks	limited clarity, noticeable mistakes, incomplete content
Poor	01 – 02 Marks	Inadequate conceptual clarity, incorrect content
Below Poor	Zero Marks / NA	content is irrelevant / Not Attempted / Not Submitted
Note: • Assignments may be taken in forms of written project, computerized and online suggested courses / certificates as per the decision made by the respective faculties of the courses.		

Rubrics – Based Assessment for Multiple Choice Questions (05 Marks)		
05 Multiple Choice Questions – 01 Mark Each (05 Marks)		
Excellent	01 Mark	The chosen option is correct, no errors in response
Below Poor	Zero Marks / NA	Chosen option is incorrect, completely irrelevant, multiple options chosen / Not Attempted

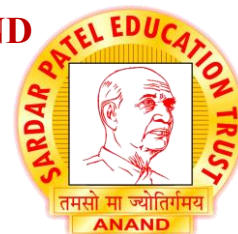
Rubrics – Based Assessment for Attendance (05 Marks)	
As per the Rules and Regulations provided by the Academic Section of Sardar Patel University, Vallabh Vidyanagar, for the students studying in all departments and colleges. Reference No.: E – 3 / 3127; dated: 07-03-2024. https://www.spuvvn.edu/orbit-cdn/uploads/circulars/Circular-NEP-InternalExamMarks-March-	



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Excellent	05 Marks	more than 90% (Minimum 27 Hours for 02 Credits Courses)
Good	04 Marks	80% - 89% (24 to 26 Hours for 02 Credit Courses)
Average	03 Marks	70% - 79% (21 to 23 Hours for 02 Credit Courses)
Poor	Zero / NA	less than 70% (NOT ELIGIBLE TO APPEAR FOR EXAM)

Note:

- Students with below 70% of attendance must submit their written application to their respective class coordinators with genuine reasons and evidence (in case of working or medical emergencies). Students must not pursue dual degree programmes that clash with the college's timings.

Rubrics – Based Assessment for Mid-Semester Examination (30 Marks)

ANY ONE UNIT OR 50% OF THE SYLLABUS - 15 Marks Each Question

Excellent	13 – 15 Marks	Correct use of HTML and CSS, proper structure, clean layout, accurate output, well-formatted and error-free code.
Good	10 – 12 Marks	Minor syntax or formatting errors, good structure, mostly correct output, proper use of HTML/CSS concepts.
Average	07 – 09 Marks	Basic understanding, some errors in tags or CSS, partially correct layout/output.
Basic	04 – 06 Marks	Limited clarity, incomplete or incorrect use of HTML/CSS, noticeable mistakes in structure or styling.
Poor	01 – 03 Marks	Incorrect code, improper use of tags/styles, output does not meet requirements.
Below Poor	Zero Marks / NA	Irrelevant content or not attempted.

Note:

- Written Examination questions will be based on various levels of Revised Bloom's Taxonomy.

Rubrics – Based Evaluation Pattern for End-Semester Examination (25 Marks)

Multiple Choice Questions (05 Marks) – 01 Mark Each from all Units

Excellent	01 Mark	The chosen option is correct, no errors in response
Below Poor	Zero Marks / NA	Chosen option is incorrect, completely irrelevant, multiple options chosen / Not Attempted

Short Question (08 Marks) – 4 Question from all Units

Excellent	02 Marks	Complete, accurate answer with relevant points and proper terminology.
Good	01 Mark	Partially correct answer with minor errors or incomplete explanation.
Poor	00 Mark	Incorrect, irrelevant, or no response provided.

UNIT I - 06 Marks Each Question

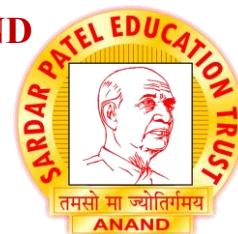
Excellent	05 – 06 Marks	Clear and deep understanding of HTML structure, tags, forms, lists, tables, images, and multimedia with correct
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		examples and output.
Good	04 – 05 Marks	Good understanding with minor errors in syntax or explanation of HTML concepts.
Average	03 – 04 Marks	Basic knowledge of HTML with incomplete explanation and some missing elements.
Basic	02 – 03 Marks	Very limited understanding; lacks clarity in HTML structure and usage of tags.
Poor	01 – 02 Marks	Incorrect or unclear HTML concepts with major mistakes in structure and output.
Below Poor	Zero Marks / NA	No attempt or completely irrelevant answer.

UNIT II - 6 Marks Each Question		
Excellent	05 – 06 Marks	Excellent understanding of CSS and DHTML; correct use of selectors, styling, layout, and dynamic behavior with proper examples.
Good	04 – 05 Marks	Good knowledge with minor mistakes in CSS properties or DHTML explanation.
Average	03 – 04 Marks	Basic understanding with incomplete styling or missing concepts.
Basic	02 – 03 Marks	Limited clarity in CSS/DHTML usage with several errors in implementation.
Poor	01 – 02 Marks	Incorrect application of CSS or DHTML concepts with poor structure.
Below Poor	Zero Marks / NA	No attempt or completely irrelevant answer.
Note: - Multiple Choice Questions of 5 Marks will be based on various levels of Revised Bloom's Taxonomy. - Written Examination questions will be based on various levels of Revised Bloom's Taxonomy.		

PLO – CLO Mapping						
	Fundamentals of Web Application					
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
CLO 1	03	02	03	02	01	01
CLO 2	02	03	03	03	02	02
Note: High: 03; Moderate: 02; Low: 01; No Mapping: 00						

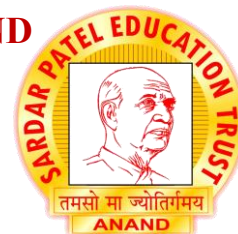
Suggested References and E-Resources for Further Reading
- Bayross, Web Enabled Commercial Applications Development using HTML, DHTML, JavaScript, Perl CGI, BPB Publications, 2004. D. E. Comer, The Internet, 2nd ed., PHI, 2000.



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• E. Meyer, Cascading Style Sheets: The Definitive Guide, 1st ed., O'Reilly Media, 2000.
• J. Keith, HTML5 for Web Designers, A Book Apart, 2010.
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