Ganpat University
॥ विद्यया समाजोत्कर्षः ॥

Faculty of Computer Applications

Programme	BCA Honors (Cyber Security)	**Branch**	Computer Applications
Semester	I	**Version**	1.0.0.0
Effective from Academic Year	2026-2027	**Effective for the batch Admitted in**	June 2026
Subject Code	U101A2BWP	**Subject Name**	BASIC WEB PROGRAMMING

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

Objective:

After the completion of the course, students are able to learn Web and advance HTML concept, JavaScript and develop websites using different tools.

Pre-requisites:

Students should know basic understanding of computers, text formatting, and notepad.

Course Outcomes :

Name of CO	Description
CO1	Understand the fundamentals of basic HTML.
CO2	Understand and design advanced tags of HTML5 and use different semantic media.
CO3	Understand HTML APIs and form elements.
CO4	Design and implement different CSS styles in a web page.
CO5	Understand the fundamentals of basic JavaScript.

Mapping of CO and PO

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	3	1	1	1	1	1	1	1
CO2	3	2	2	2	1	1	1	1
CO3	3	2	3	2	1	1	1	1
CO4	3	2	3	2	1	1	1	1
CO5	3	3	2	2	1	1	1	1

Content:

Unit		Hrs

1	**Introduction to HTML** Understanding HTML, skeleton of HTML page, Basic Tags, Formatting Tags, List Tags, Advanced Layout with Tables	06
2	**Introduction to HTML5** What is HTML5? New features of HTML5, HTML5 Semantic and Structural Elements, New Media Elements, Working with Form tag, HTML5 New Input Types	06
3	**HTML5 Form Validations and APIs** HTML5 form elements and form validations, Introduction of HTML5 canvas, Introduction of HTML5 SVG (Scalable Vector Graphics), Introduction of HTML5 API: GEO location and drag and drop	06
4	**Introduction to CSS** What is CSS, Benefits of CSS, Types of CSS – Internal, Inline, External, CSS Selectors-element, ID, Class, Universal, CSS Properties – Background, Borders, Margins, Text, Font, Table	06
5	**JavaScript** Introduction to Java Script, Advantage of Java Script, Java Script Syntax, java script output, JavaScript Data Types, Strings, Numbers, Booleans, Variable in JS, Operators in JS, JS Popup Boxes	06

Practical Content:	
List of programs specified by the subject teacher based on above mentioned topics	
Text Books:	
1	Introduction to Internet and HTML Scripting , Bhaumik Shroff
2	HTML5 & CSS3 by Brain P. Hogan
Reference Books:	
1	SAMS Teach Yourself HTML in 24 hours, Techmedia.
2	The complete reference web design Thomas a. Powell, TATA McGraw -Hill, Second Edition
Web References / MOOC / Certification Course	
1	https://www.w3schools.com
2	HTML, CSS, and Javascript for Web Developers Course (Johns Hopkins) | Coursera
3	IBM: Guided Project: Interest Calculator Using HTML, CSS & JS | edX
4	W3Cx: HTML5 and CSS Fundamentals | edX
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 Taxonomy levels, and ensure complete syllabus coverage.*