Course Code	Course Name	Course Type	Cd	L	T	P	Marks		
							Internal	Final Exam	Total
BCAMI-106	Web Technologies	Minor	4	4	0	0	40	60	100

Course Outcomes

	At the end of the course the student will be able to
CO1	Create well-structured HTML documents.
CO2	Apply CSS to create visually appealing and responsive web designs
CO3	Build user interactivity & create dynamic web content
CO4	Consolidate and manage data ensuring efficient data exchange
CO5	Integrate server-side scripting for data processing

Detailed Syllabus

Section A

UNIT–I HTML: Text Formatting Tags, META Tag, Adding Lists, Table, embedding objects, Paragraphs, Formatting, Links, Head, Images, Tables, Lists, Blocks, Layout, Forms, Colors, Color values, Frame and Form, Form Controls. Introduction to XHTML: XML, Move to XHTML, Meta tags, Character entities, frames, and frame sets, inside browser.

(10 Hrs.)

UNIT-II CSS: Style Sheets: Need for CSS, introduction to CSS, basic syntax, and structure, In-line Styles, External Style Sheets, using CSS, background images, colors, and properties, manipulating texts, using fonts, borders and boxes, margins, padding lists, positioning using CSS, CSS2, CSS3, Tailwind CSS

(10 Hrs.)

UNIT–III Client-side Scripting: Introduction to JavaScript: JavaScript language – declaring variables, scope of variables functions, event handlers (on click, on submit etc.), Document Object Model, Form validations. Simple AJAX applications.

(10 Hrs.)

Section B

UNIT–IV XML: Introduction to XML, uses of XML, simple XML, XML key components, DTD and Schemas, Well formed, using XML with application.XML, XSL and XSLT. Introduction to XSL, XML transformed simple example, XSL elements, transforming with XSLT.

(10 Hrs.)

UNIT–V Introduction to PHP: Declaring variables, data types, arrays, strings, operations, expressions, control structures, functions, reading data from web form controls like Text Boxes, radio buttons, lists etc., Handling File Uploads, Handling sessions and cookies. File Handling in PHP: File operations like opening, closing, reading, writing, appending, deleting etc. on text and binary files, listing directories.

(10 Hrs.)

Textbooks

S. No.	Name of the Books	Author	Publisher	Edition (Pub. Yr.)
1	Guide to HTML, CSS, JavaScript	Jennifer Niederst Robbins	O'Reilly Media.	5th (2018)
2	Web Applications: Concepts and Real-World Design	Knuckles	Wiley-India	2nd (2006)

Reference Books

S. No.	Name of the Books	Author	Publisher	Edition (Pub. Yr.)
1	HTML Black Book	Steven Holzne	Dremtech press.	8th(2020)