PG & Research Department of Computer Science

Mary Matha Arts & Science College Mananthavady

Certificate Course

Web Designing and Development

Course Code	Theory	Practical	Time
CCCSWD22-23	15 Hours	20 Hours	3.30-4.30

COURSE OUTCOME

- Understand the fundamental concepts and technologies involved in web development.
- Learn to develop interactive Web pages.
- Present a web document with server-side scripting using PHP.
- Students will be able to plan, develop, test, and deploy a complete web application.

Module 1:

Introduction to Web Development: Overview of web technologies and the Internet, Client-side vs. server-side development, Introduction to front-end and back-end development. HTML Fundamentals: Introduction to HTML and its role in web development, HTML tags, elements, and attributes, Structuring a web page with HTML.   (9 Hours)

Module 2:

CSS Fundamentals: Introduction to CSS and its role in web design, CSS syntax and selectors, Applying styles to HTML elements. JavaScript Fundamentals: Introduction to JavaScript and its role in web development, Variables, data types, and operators, Control structures: conditionals and loops.   (10 Hours)

Module 3:

Introduction to PHP, converting between datatypes, operators, initializing and manipulating arrays, string concatenations, Form processing.   (8 Hours)

Module 4:

Web Project Development and Deployment :Planning and Wireframing a Web Project, Developing a Complete Web Application, Testing and Debugging, Deployment and Hosting

                                                                (8 Hours)