

# Web Designing

## Course Duration

- **Total Duration:** 60–80 Hours
- **Theory:** 30%
- **Practical / Lab:** 70%

## Prerequisites

- Basic Computer Fundamentals
- Internet & Browser Knowledge
- No prior coding experience required

## Module 1: Introduction to Web & Internet (4 Hours)

- What is Internet?
- How Websites Work
- Client–Server Architecture
- Web Browsers & Web Servers
- Static vs Dynamic Websites
- Domain Name & Web Hosting Basics

## Module 2: HTML (HyperText Markup Language) (12 Hours)

- Introduction to HTML
- Structure of HTML Document
- Text Formatting Tags
- Lists (Ordered, Unordered, Description)
- Links & Anchors
- Images
- Tables
- Forms & Input Controls
- HTML5 Semantic Elements
- Best Practices

## Module 3: CSS (Cascading Style Sheets) (14 Hours)

- Introduction to CSS
- Types of CSS
  - Inline
  - Internal
  - External
- CSS Selectors
- Colors, Fonts, Backgrounds
- Box Model
- Positioning
- Display & Visibility

- Flexbox
- Grid Layout
- Responsive Design
- Media Queries

## **Module 4: JavaScript Basics (10 Hours)**

- Introduction to JavaScript
- Variables & Data Types
- Operators
- Control Statements
- Functions
- Events
- DOM Manipulation
- Form Validation
- Basic Animations

## **Module 5: Bootstrap & UI Frameworks (6 Hours)**

- Introduction to Bootstrap
- Grid System
- Typography
- Buttons & Forms
- Navigation Bar
- Cards & Modals
- Icons
- Responsive Components

## **Module 6: Design Tools & Graphics (4 Hours)**

- Image Formats (JPEG, PNG, SVG, WebP)
- Basic Image Editing
- Canva / Photoshop (Overview)
- Creating Banners & Logos
- Web Optimization of Images

## **Module 7: Website Hosting & Deployment (4 Hours)**

- Domain Registration
- Web Hosting Types
- FTP & File Upload
- cPanel Basics
- Hosting Static Websites
- SEO Basics

## **Module 8: Project Work & Practice (10 Hours)**

### **Project Ideas:**

- Personal Portfolio Website
- Business Website
- Educational Website
- Event Landing Page
- Responsive Blog Website

## Learning Outcomes

After completing this course, students will be able to:

- Design responsive websites
- Use HTML, CSS & JavaScript effectively
- Apply modern UI frameworks
- Host and deploy websites
- Create visually appealing layouts