



TECHNOCATION FREELANCING TRAINING INSTITUTE & SOFTWARE HOUSE

Professional Front-End Web Designing Course Outline

Module 1: Introduction to Front-End Web Design

- Overview of Web Design & Development
- Understanding Front-End vs. Back-End Development
- Web Technologies: HTML, CSS, JavaScript
- Role of a Front-End Designer

Module 2: HTML Fundamentals

- Introduction to HTML5
- HTML Structure & Syntax
- Semantic HTML & Accessibility
- Forms & Input Elements
- Embedding Media (Images, Videos, Audio)

Module 3: CSS Fundamentals & Styling

- Introduction to CSS3
- CSS Selectors, Properties & Box Model
- Colors, Backgrounds, and Borders
- Typography & Google Fonts
- CSS Units (px, em, rem, %)

Module 4: Responsive Web Design

- Introduction to Media Queries
- Mobile-First Design Approach
- CSS Flexbox & Grid Layout
- Responsive Images & Videos
- Testing & Debugging Responsive Designs

Module 5: Advanced CSS & Preprocessors

- CSS Animations & Transitions
- CSS Variables & Custom Properties
- Introduction to SASS & LESS
- Writing Maintainable & Scalable CSS

Module 6: JavaScript for Web Designers

- Basics of JavaScript & ES6+ Features
- DOM Manipulation & Event Handling
- JavaScript for Interactivity & Effects
- Introduction to jQuery

Module 7: Front-End Frameworks & Libraries

- Introduction to Bootstrap (or Tailwind CSS)
- Using Frameworks for Faster Development
- Customizing Framework Components
- CSS-in-JS Techniques

Module 8: UI/UX Design Principles

- Understanding User Experience (UX)
- UI Design Fundamentals
- Wireframing & Prototyping (Figma, Adobe XD)
- Color Theory & Visual Hierarchy
- Website Navigation & Accessibility

Module 9: Web Performance Optimization

- Optimizing Images & Media Files
- Lazy Loading & Caching Strategies
- Minification & Compression (CSS & JavaScript)
- Improving Page Speed & SEO Best Practices

Module 10: Website Deployment & Hosting

- Version Control with Git & GitHub
- Web Hosting & Domain Setup
- Deploying Websites with Netlify, Vercel, or GitHub Pages
- Website Maintenance & Updates

Module 11: Capstone Project & Portfolio Building

- Creating a Fully Functional Website
- Implementing a Responsive Design
- Showcasing Portfolio Projects
- Preparing for Front-End Job Interviews