



## Web Development

***Duration :04 Weeks***

**Tools you will learn:**

- HTML
- CSS
- JavaScript
- Bootstrap

You will get career support from us throughout and even after the course ends.

### **Modules**

Introduction to Web Development	<ul style="list-style-type: none"><li>→ What is web development?</li><li>→ Static vs dynamic website</li><li>→ Who is front-end developer?</li></ul>
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HTML	<ul style="list-style-type: none"><li>→ Introduction to HTML</li><li>→ Basic HTML tags</li><li>→ How to create HTML file?</li><li>→ Opening and closing tags</li><li>→ HTML page structure</li><li>→ Table attributes in HTML</li><li>→ Designing a calendar using HTML table HTML input types</li><li>→ HTML form elements</li><li>→ HTML Div Tag</li><li>→ HTML input attributes</li><li>→ Table tags in HTML</li><li>→ Anchor tag, email tag, tel tag</li><li>→ HTML lists</li></ul>
	<ul style="list-style-type: none"><li>→ Creating website homepage using basic tags</li><li>→ Ordered and Unordered Lists</li><li>→ Image tag and attributes</li></ul>

CSS	<ul style="list-style-type: none"> <li>→ Introduction to CSS</li> <li>→ CSS box model browser</li> <li>→ Border properties</li> <li>→ Basic CSS properties</li> <li>→ How to comment HTML or CSS code?</li> <li>→ CSS measurement units</li> <li>→ Using internal CSS</li> <li>→ Border-radius property</li> <li>→ Padding properties</li> <li>→ Types of CSS Types of CSS (external,</li> <li>→ internal, inline)</li> <li>→ Background image property</li> <li>→ Creating professional webpage</li> <li>→ using HTML &amp; CSS</li> <li>→ Setting width in percentage</li> <li>→ CSS transition property</li> <li>→ CSS Z-index properties</li> <li>→ CSS selector (CSS selector</li> <li>→ (class, Id, tagName))</li> <li>→ External CSS</li> <li>→ Margin properties</li> <li>→ CSS Spacing properties (Margin &amp; Padding)</li> <li>→ CSS clear property</li> <li>→ CSS position (fixed, relative, sticky) properties</li> <li>→ CSS opacity</li> <li>→ CSS Grid</li> <li>→ Pseudo classes and elements</li> <li>→ Display properties</li> <li>→ CSS #id selector</li> <li>→ Concept of one-page website</li> <li>→ Creating full-width section</li> <li>→ CSS display property</li> <li>→ Absolute positioning</li> <li>→ CSS flexbox</li> <li>→ Full-width vs fixed-width web design</li> <li>→ CSS hover</li> <li>→ CSS overflow properties</li> </ul>
JavaScript	<ul style="list-style-type: none"> <li>→ Introduction to JavaScript</li> </ul>

	<ul style="list-style-type: none"> <li>→ JavaScript data types</li> <li>→ Scope and lifetime</li> <li>→ JavaScript variables</li> <li>→ JavaScript arrays</li> <li>→ Uses of JavaScript</li> <li>→ JavaScript conditional statements</li> <li>→ Functions in JavaScript</li> <li>→ Arrow functions</li> <li>→ Window object functions</li> <li>→ Ways to embed JS</li> <li>→ JavaScript loops</li> <li>→ Object in JavaScript</li> <li>→ JavaScript promises</li> <li>→ JavaScript DOM</li> <li>→ JavaScript Operators</li> <li>→ Events in JavaScript</li> <li>→ Changing image using this function</li> <li>→ Show/hide password using JS DOM</li> <li>→ Math operations</li> <li>→ Product cart system to increase/decrease quantity</li> <li>→ Building random code generator</li> <li>→ Creating JavaScript calculator</li> <li>→ Creating responsive menu</li> <li>→ Creating to-do list</li> <li>→ Creating password generator</li> <li>→ JavaScript array methods</li> <li>→ Weather app using promise with free API</li> <li>→ Most useful functions in JS</li> <li>→ JavaScript exception handling</li> <li>→ for of loop and for in loop</li> <li>→ Mini e-commerce app using promise with free API</li> <li>→ Data swipe using JavaScript DOM</li> <li>→ Date object in JavaScript</li> <li>→ Local Storage in JS</li> </ul>
Bootstrap	<ul style="list-style-type: none"> <li>→ Introduction to Bootstrap</li> <li>→ Setting up Bootstrap environment</li> <li>→ Bootstrap Breakpoints</li> <li>→ Bootstrap containers</li> </ul>

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|  | <ul style="list-style-type: none"><li>→ Bootstrap grid system</li><li>→ Bootstrap responsive layout</li><li>→ Bootstrap auto column layout</li><li>→ Bootstrap typography and color classes</li><li>→ Bootstrap button, border, and background classes</li><li>→ Bootstrap forms and form control</li><li>→ Bootstrap navbar, collapse, dropdown, off-canvas</li><li>→ Bootstrap carousel and card</li><li>→ Bootstrap accordion</li><li>→ Creating website sections using Bootstrap classes</li><li>→ Bootstrap spacing classes</li><li>→ Bootstrap modals</li><li>→ Bootstrap dropdowns</li><li>→ Bootstrap tabs</li><li>→ Bootstrap collapse</li><li>→ Bootstrap tooltips</li><li>→ Bootstrap popovers</li><li>→ Bootstrap alerts</li></ul> |
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