



Web Development

Learn the fundamentals of web development and build dynamic websites.

Get started

Overview

The Web Development course provides a comprehensive introduction to the core concepts and technologies used in modern web development. Participants will learn how to create interactive and responsive websites using HTML, CSS, JavaScript, and popular frameworks. The course covers the essential skills needed to design and develop websites that are functional, visually appealing, and user-friendly.

01 HTMLCSS



Semantic HTML promotes the use of specific tags that convey the meaning and structure of the content. Using semantic tags improves accessibility and helps search engines better understand the page. Some semantic tags include `<header>`, `<nav>`, `<main>`, `<footer>`, and `<section>`.

CSS Fundamentals

CSS is a style sheet language that controls the appearance of HTML documents. It allows you to specify colors, fonts, layouts, and other visual aspects of a webpage. Here are some important CSS concepts to grasp:

Selectors

CSS uses selectors to target specific HTML elements and apply styles to them. Selectors can target elements by their tag name, class, ID, or attribute. Understanding selectors is crucial in defining the scope of your CSS rules.

CSS Properties

CSS properties determine how an element should be styled. They are applied to specific selectors and control aspects such as color, font, size, margin, padding, and positioning. CSS properties can be grouped together in a CSS rule.

Cascading and Specificity

CSS follows a cascading style hierarchy, where styles can be applied from various sources and can override each other. Understanding how styles cascade is important

Conclusion - JavaScript and DOM Manipulation

JavaScript and DOM manipulation go hand in hand when it comes to creating dynamic and interactive web experiences. With a solid grasp of JavaScript's core concepts and the ability to manipulate the DOM effectively, web developers can design engaging websites that seamlessly respond to user interactions.

Frontend Frameworks and Responsive Design

Introduction