



Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

Course Outcome 4 : Apply JavaScript features such as DOM manipulation, event handling, and callback mechanisms to build responsive client-side applications.

Experiment 06 : Program to create a website using HTML CSS and JavaScript.

Problem Statement :

A beginner web developer wants to create a personal portfolio website to showcase their skills, projects, and allow visitors to contact them.

The website should:

- Be visually appealing and responsive.
- Have separate sections for About Me, Projects, and Contact.
- Include a contact form that validates input before submission.

Solution :

HTML (HyperText Markup Language) – Defines the **structure** of a webpage using elements such as headings, paragraphs, forms, and links.

CSS (Cascading Style Sheets) – Controls the **presentation** of HTML elements, including colors, fonts, spacing, and layout.

JavaScript – Provides **interactivity** to the website, such as form validation, animations, and dynamic content updates.

File Structure:

portfolio/

├── index.html (HTML Structure)

├── style.css (CSS Styling)

└── script.js (JavaScript Interactivity)

Key Features Implemented:

- **Navigation bar** for smooth scrolling between sections.
- **Responsive layout** using CSS so the website works on mobile and desktop.
- **Contact form validation** with JavaScript.