

## Day 12 - DOM Manipulation & Events

Date: 11 July 2025

On Day 12 of the Web Development Training, participants explored **DOM (Document Object Model) Manipulation and Event Handling** in JavaScript — essential concepts for creating dynamic and interactive web applications.

Key topics covered included:

- Understanding the DOM and its structure (nodes, elements, attributes, and text).
- Accessing and modifying HTML elements using JavaScript methods like getElementById, querySelector, and getElementsByClassName.
- Changing element styles, text, and attributes dynamically.
- Creating and removing elements programmatically.
- Introduction to event handling and event listeners.
- Common events: click, mouseover, keyup, change, and submit.
- The use of addEventListener() to handle multiple events efficiently.

During the practical session, learners built small web pages that responded to user actions such as button clicks, input changes, and form submissions. They practiced updating the DOM in real-time and learned how event-driven programming enhances interactivity. By the end of the session, participants had a clear understanding of how JavaScript connects users and the web page through DOM manipulation and events.