

Work report – Vishva Sorathiya (12-june-2025)

1. JavaScript Asynchronous Concepts

- **JS Async & Asynchronous Programming:** Structure of non-blocking operations in JS.
- **Callbacks:** Function arguments for delayed execution.
- **Promises:** Use of .then() and .catch() to handle async outcomes.
- **Async/Await:** Clean syntax for working with asynchronous functions in a synchronous-like flow.

2. HTML DOM (Document Object Model)

- **DOM Intro:** Basic structure and tree representation of HTML.
- **DOM Methods:** Functions to access and manipulate HTML elements.
- **DOM Document & Elements:** Accessing and modifying document nodes.
- **DOM HTML & Forms:** Editing content and form input values.
- **DOM CSS:** Applying and changing styles dynamically.
- **DOM Animations:** Visual transitions using DOM manipulation.
- **DOM Events & Event Listeners:** Handling user interactions.
- **DOM Navigation:** Traversing parent, child, and sibling nodes.
- **DOM Nodes, Collections, and Node Lists:** Managing groups of elements for batch operations.

3. JavaScript BOM (Browser Object Model)

- **Window Object:** Central browser control object.
- **Screen, Location, History, Navigator:** Accessing browser metadata.
- **Popup & Alerts:** Managing basic browser notifications.
- **Timing Functions:** setTimeout() and setInterval() for delayed or repeated tasks.
- **Cookies:** Creating, accessing, and managing browser-stored data.