Training Day 21 Report

Date: 28 June 2024
Location: Science & Technology Entrepreneurs' Park

Today, I worked on building the **Timetable and Attendance** features for my Student Dashboard using HTML, Bootstrap, and JavaScript.

What I Did:

1. **Timetable Section:**

   - Used JavaScript arrays and objects to store timetable data (subjects, timings, days).
   - Created a dynamic function `renderTimetable()` to loop through data and display it on the page.
   - Used Bootstrap tables and cards to make the timetable responsive.

2. **Attendance Tracking:**

   - Implemented JavaScript functions to:
     - Mark sessions as Present, Absent, or Cancelled.
     - Save attendance data in `localStorage` so it's not lost on reload.
     - Update UI to show status changes live.

3. **Initialization Function:**

   - Wrote `initAttendance()` to create default keys for each subject/session in local storage.
   - Ensured attendance only updates when a valid mark (present/absent) is selected.

4. **Testing & Debugging:**

   - Ran tests on page load, session switching, and user interactions.
   - Used browser developer tools to debug `localStorage` and DOM issues.

Summary:

The dashboard now includes a fully functional timetable and attendance tracker. Users can interact with each session and mark their status, and it will be saved even after refreshing the page.

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Page No.: 21