CSC2102 - Web Programming I (23/24)
Final Group Assignment – Objective Sheet

Application Overview

Title:

Group Name: The Webmasters **Project Name: Student Projects Portfolio Site - (Academic Projects)**

Target Users:

(e.g., general public, students, kids, etc.)
• Students • Academic Staff • Industry Professionals

Objectives:

(Briefly explain the objectives in points.)
This project is designed to support student projects tied to the Department of Statistics & Computer Science, Faculty of Science, University of Peradeniya. It aims to provide a robust platform for students to collaborate, document, and showcase their work in statistics and computer science, fostering innovation and academic excellence.

Group Members and Individual Responsibilities

Number of Members:

11

Corresponding Member:

Each group must designate one member as the Corresponding Member. The Corresponding Member will be responsible for submitting the Objective Sheet, final deliverables on behalf of the group.
S/21/513 - Sivothayan .S

Individual Responsibilities:

Each group member must take responsibility for a specific, measurable and identifiable component of the assignment (e.g., a web page section, a feature implemented with JavaScript, a design component using CSS, etc.) and fill the following table.

No.	Student Registration Number	Assigned Task
1	S/21/063	Project Page (Making Responsive UI/ UX)
2	S/21/315	About Page (Making Responsive UI/ UX)
3	S/21/317	About Page (Making Responsive UI/ UX)
4	S/21/340	Documentation (Make Documentation Page & Debug CSS)
5	S/21/413	Instructor Page (Making Responsive UI/ UX)
6	S/21/466	Student Page (Making Responsive UI/ UX)
7	S/21/489	Project Page (Making Responsive UI/ UX)
8	S/21/490	UI/ UX Testing & Resolve CSS Issues
9	S/21/493	Project Page (Making Responsive UI/ UX)
10	S/21/513	API Making, Dummy Data Creation & Project Page Logic Handling (Making Responsive UI/ UX, Logic Handling & Debugging)
11	S/21/528	UI/ UX Testing & Resolve CSS Issues

Production:
- Frontend: https://projects.scs.sivothajan.me
- Backend: https://projects.api.scs.sivothajan.me
- Json Data: https://gh.sivothajan.me/data.projects.scs.pdn.ac.lk
- Code Repository : https://gh.sivothajan.me/ projects.scs.pdn.ac.lk-monorepo

Timeline and Deliverables

1. Setup Phase (Week 1)
  - Initialize React + Vite project structure
  - Set up ESLint and development tools
  - Create component architecture plan
  - Configure CSS Modules and styling strategy
  - Set up version control and collaboration workflow

2. Core Development Phase (Weeks 1-2)
  - Implement core React components
  - Develop responsive layouts with CSS Modules
  - Create custom hooks for shared functionality
  - Implement client-side routing
  - Set up static data management

3. Feature Implementation Phase (Weeks 2-3)
  - Develop interactive features using React
  - Implement state management
  - Create dynamic filtering and search
  - Add animations and transitions
  - Implement responsive design features

4. Integration and Testing Phase (Weeks 3- 4)
  - Component integration
  - Cross-browser testing
  - Performance optimization
  - Accessibility testing
  - User testing and feedback

5. Final Phase (Week 4)
  - Bug fixes and refinements
  - Documentation completion
  - Performance benchmarking
  - Final cross-browser validation
  - Deployment preparation and testing