

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

**Application Overview**

**Title:**

<b>Group Name: The Webmasters</b> <b>Project Name: Student Projects Portfolio Site - (Academic Projects)</b>
---

**Target Users:**

<i>(e.g., general public, students, kids, etc.)</i>
---

- |  |
|--|
| <ul style="list-style-type: none"><li>• Students</li><li>• Academic Staff</li><li>• Industry Professionals</li></ul> |
|--|

**Objectives:**

<i>(Briefly explain the objectives in points.)</i>
--

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:**

<i>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.</i>
--

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