

University of Sri Jayewardenepura

Faculty of Computing



A centralized platform where companies, and the career guidance unit can post internships, part-time jobs, and full-time job openings System

Project proposal

Group No - 08

CCS2032 | CSE2032 – Web Technologies

B. comp (Hons.) in Computer Science

B. comp (Hons.) in Software Engineering

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1. Objectives of the Site

1. Provide Jobs and Internship Listings

- Provide a single effective and integrated means through which employers and career service departments can post available jobs.
- Expunge isolated communications (emails, bulletin boards, etc.).
- Make full postings available immediately to job seekers and students.

2. Bridge the Gap Between Employers and Students

- Establish direct communication between employers and candidates.
- Allow career counseling units to act as intermediaries, making referrals or pre-screening applications as needed.
- n-Foster student-employer connections and long-term partnership.

3. Increased Opportunities Expand

- Promote career opportunities (full-time, part-time, internship) to students in a filterable and searchable format.
- Offer notification settings or alerts for newly released jobs by user preference (e.g., major field of study, location, job type).

4. Career Advancement Enable

- Offers student real world opportunities aligned with their career goals and academic background.
- Offer features like resume upload, interview preparation, and application monitoring to equip students for the workforce.

5. Enable Data-Driven Insights

- Enable administrators and career counseling offices to monitor hiring announcements and application trends.
- Offer reports to support calculation of student placement level, employer engagement, and new areas of employment.

6. Ensure Equitable Access and Fair Opportunity

- Make an open system where all students have access to employment opportunities without discrimination.
- Prevent nepotism or ignorance through maintaining all vacancies at a single common door.

7. Simplify Application Process

- Simplify the application process with functionality like one click apply, resume upload and real time application status indicators.
- Enable Employers to communicate with applicants, shortlist candidates, conduct interviews and send messages on the platform.

8. Build a Verified and Trustworthy Ecosystem

- Advertise only real employees and firms, screened by the career guidance unit.
- Respect confidentiality of students and offer a professional work environment to both.

2. Brief outline of the proposed website.**Three user system Architecture**

Our website is built for focusing three main groups of people. All of them play an important role.

• Student:

This platform is mainly focused on students who can be considered primary users. This is a place where they can search for internships and job openings.

• Company:

These are the organizations which offer jobs and internship opportunities. They post jobs and internship opportunities and wait to connect with students who are willing to learn.

- **CGU (Career Guidance Unit):**

This can be considered as the backbone of the platform. They manage everything behind the scenes. They make sure that the tasks running smoothly and help students and companies to connect with each other. Their goal is to create real opportunities and make career journeys easier for everyone.

3. User Roles and Functionalities

1. Student portal

- **Create User profile / Register**

Create a profile with relevant details and update user details with skills, education and achievements

- **Log in Safely**

Log in with a secure system that keeps user information safe.

- **View Profile**

Users can view profiles anytime and users can update dynamic data like telephone numbers anytime. Users have the option to connect their LinkedIn accounts to their user profiles if they prefer.

- **Job Search**

Search for jobs and internships using filters like title, company or location. Therefore, the user can see only the opportunities that suit you best.

- **Studying About Companies**

Explore company pages to see who they are, what they do and the reviews of the students about the company.

- **Application Management**

Apply for job vacancies through the portal and track user's application progress in one easy place.

2. **Company Portal**

- **Registration and Verification.**

Companies can register on the platform and get approved and verified by CGU to keep things safe and trustworthy.

- **Authentication.**

Once verified, companies can log in securely and start using the portal.

- **Post and Manage Jobs.**

Create new jobs or internship posts, update details or remove them when positions are filled.

- **Review Candidates easily.**

Can communicate with the students selected by the company through the details mentioned in the CV.

- **Showcase Your Company.**

Add company info, logo, highlights to build a strong brand presence and attract the right applicants.

3. **CGU (Central Government Unit) Portal.**

- **Secure Admin Login**

CGU officially can log in through a protected system to manage their tasks securely.

- **Approved Company Registrations**

Review company sign requests and approve only verified and trustworthy organizations to keep the platform safe for students.

- **Content Moderations**

Observe the job listings and remove anything that are inappropriate or misleading. It paves the way to protect students and maintain quality.

- **Manage the whole system.**

They observe how the platform is being used, make sure rules are followed and ensure a smooth experience for everyone involved.

4. Tools to be Used in Design and Development of the Website

To ensure a streamlined and professional development process, we have selected a combination of tools that support both the design and development phases of the website. These tools enhance productivity, improve collaboration, and simplify deployment.

1. Figma

Purpose: UI/UX Design

Reason for Use: Figma is a collaborative, cloud-based design tool used to create wireframes, user interfaces, and prototypes. It allows team members to view the layout and user experience of the website before the development stage. Real-time collaboration and feedback features make it ideal for design teams.

2. Visual Studio Code (VS Code)

Purpose: Code Editor

Reason for Use: VS Code is a powerful and customizable code editor that supports web development languages such as HTML, CSS, JavaScript, and PHP. Features like extensions, IntelliSense, and debugging tools improve coding efficiency.

3. GitHub

Purpose: Version Control and Team Collaboration

Reason for Use: GitHub provides a platform code sharing platform, version control, and team collaboration. It helps track changes, manage branches, and all team members collaborate on the up-to-date version of the project.

4. XAMPP

Purpose: Local Web Server

Reason for Use: XAMPP is a software package that includes Apache server, MySQL, and PHP that allows local testing of dynamic web applications. It helps developers to test functionality before launch.

5. phpMyAdmin

Purpose: Database Management

Reason for Use: phpMyAdmin is a web-based tool for managing MySQL databases. It simplifies tasks such as creating tables, managing records, and running SQL queries execution through an easy-to-use graphical interface.

5. Work allocation table

D.R.T.D. Thilakarathna	<ul style="list-style-type: none"> • Develop the frontend of the Home page • Develop the backend of the Home page and about us page • Design the UI system
G.W.P.U.Ganegoda	<ul style="list-style-type: none"> • Develop the backend of the student page • Design the UI system
M.T.S. Perera	<ul style="list-style-type: none"> • Develop the frontend of the Company page • Develop the backend of the Company page and jobs page
N.H. Gamage	<ul style="list-style-type: none"> • Develop the frontend of the Login page • Develop the backend of the Login page
E.M.K.G.Y.H.B. Ekanayaka	<ul style="list-style-type: none"> • Test the developed system • Develop the backend of the Registration page
R.A.D.S. Methmini	<ul style="list-style-type: none"> • Develop the frontend of the About us page • Test the developed system
M.W.S. Ekanayaka	<ul style="list-style-type: none"> • Develop the frontend of the Registration page • Document project proposal
P.K.A. Nisansala	<ul style="list-style-type: none"> • Develop the frontend of the CGU page • Document project proposal
A.K.N.S.Algama	<ul style="list-style-type: none"> • Develop the database • Document project proposal
K.G.A.K.Sathsarani	<ul style="list-style-type: none"> • Develop the frontend of the Jobs page • Document project proposal
T.A.K.V.I. De Alwis	<ul style="list-style-type: none"> • Develop the frontend of the CGU page • Develop the frontend of the student page • Develop the backend of the CGU page

6. Initial plan

Process	May		June				July		
	Week	Week	Week	Week	Week	Week	Week	Week	Week
	1	2	3	4	5	6	7	8	9
Requirement gathering									
Requirement analysis									
Design									
Development									
Test									

7. Project Timeline

	Process	Week	Week	Week	Week	Week	Week
		1	2	3	4	5	6
Frontend Development	Home Page						
	About Us						
	Jobs						
	Login Page						
	Registration Page						
	Student Page						
	Company Page						
	CGU page						
Backend Development							
Database							

8. Group Member Details

Student Name	Registration No	Index No	Contact No	Email
DE ALVIS T.A.K.V.I.	FC115559	FC222003	0789194864	kavishkavenuka554@gmail.com
THILAKARATHNA D.R.T.D.	FC115538	FC221038	0766345445	tharinduthilakarathna2003@gmail.com
GAMAGE N.H.	FC115547	FC221042	0706578196	nipunharsh3@gmail.com
GANEGODA G.W.P.U.	FC115540	FC221039	0779556843	pasanudayanga940@gmail.com
PERERA M.T.S.	FC115544	FC221041	0779032280	thinilsandaru@gmail.com
EKANAYAKA E.M.K.G.Y.H. B	FC115549	FC221043	0702329263	hekanayakeyasiru@gmail.com
METHMINI R.A.D.S.	FC115569	FC222010	0763547906	dinithisri2002@gmail.com
EKANAYAKA M.W.S.	FC115571	FC222011	0786882783	nadeerasamudinee@gmail.com
NISANSALA P.K.A.	FC115581	FC222013	0769700721	ashikaaanisansala@gmail.com
ALGAMA A.K.N.S.	FC115586	FC222014	0710132462	nethmialgama1234@gmail.com
SATHSARANI K.G.A.K.	FC115592	FC222015	0741208365	sathsaranikavindya103@gmail.com